

VOLUME 17

10 APRIL 1909 - 4 SEPT 1911

# LOG BOOK

OF THE

ON A VOYAGE

From *San Francisco.*

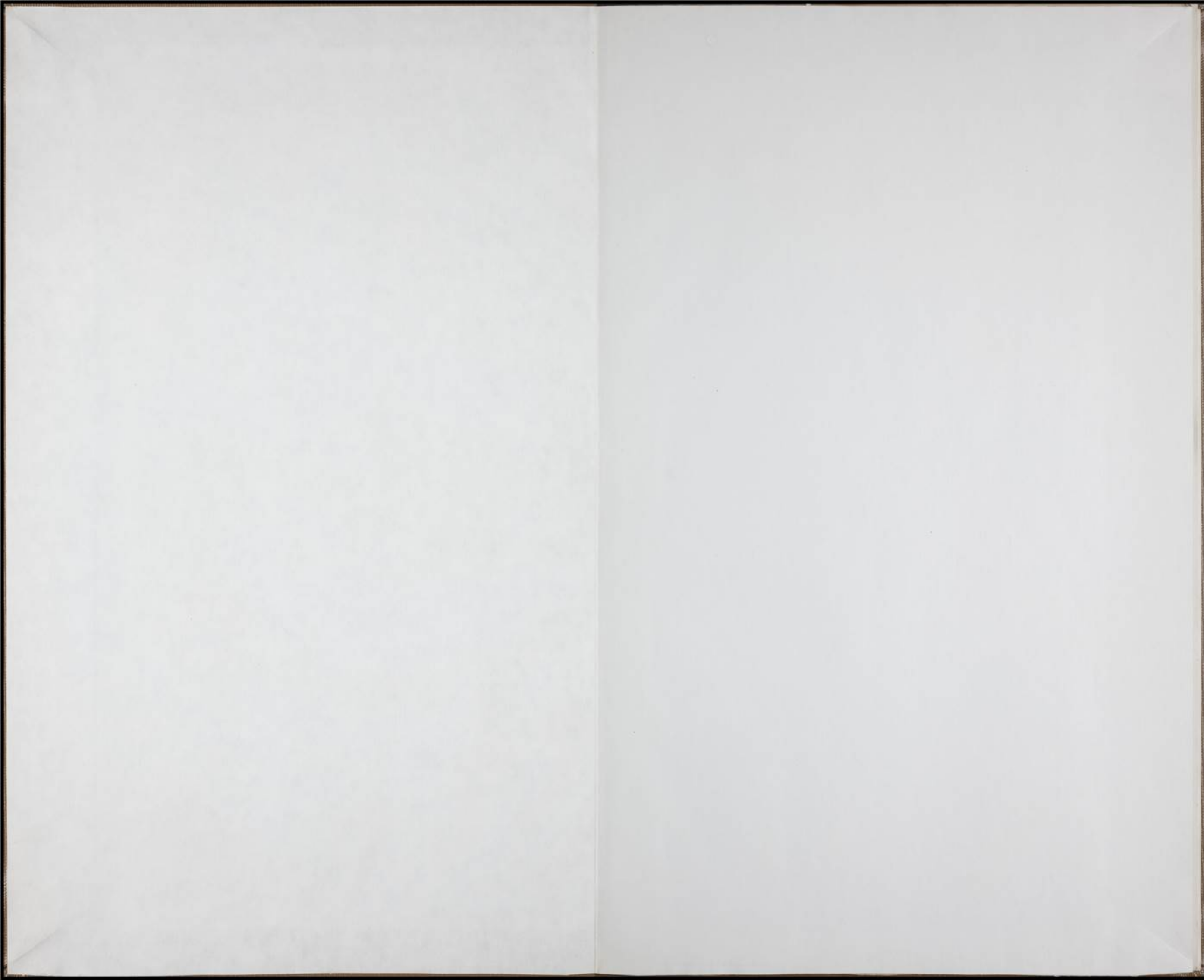
To *Nushagen Bristol Bay.*

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Books on Navigation, Etc.

SAN FRANCISCO, CALIF.



*Tal. Bay.*

*Barkque Star of India*

*Commanded by Captain Iverine*

*Christensen.*

*on the voyage from San Francisco*

*to Bristol Bay.*

*1909.*

Journal from San Francisco towards Nushagak Bristol Bay

| K | F | COURSES | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                                                                                                                                                                                                                                                             | day of |
|---|---|---------|-------|--------|-------------|-------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|   |   |         |       |        | Air         | Water |           |                                                                                                                                                                                                                                                                                                                     |        |
|   |   |         |       |        |             |       |           | April 10 <sup>th</sup> 1909.                                                                                                                                                                                                                                                                                        |        |
|   |   |         |       |        |             |       |           | 8 <sup>20</sup> a.m. left Filberth St. Wharf for Nushagak<br>Bristol Bay with Cannock supplies and Fishermen<br>Total whites Total Asiatics.                                                                                                                                                                        |        |
|   |   |         |       |        |             |       |           | 10.0. m. let go harbor from Trip Sea Hitch at the Road<br>Pony set sail fresh & r. W. gale mostly westerly sea. a beam<br>ship rolling heavy                                                                                                                                                                        |        |
|   |   |         |       |        |             |       |           | Position at noon 37° 40' North Long 122° 44' W. This is where<br>I took my departure San Francisco Lightship bore magnetic<br>& r. distance 4 miles off. Ship's drift forward 24 feet aft<br>20 feet 8 inches aft 21 feet. Hatches closed and 3 tarpolins on<br>and patterned tarpaulin everything squared on deck. |        |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
|        |          |               |           |               |             |           |               |               |             |

| K | F | COURSES | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                                                                                                                                                                | day of |
|---|---|---------|-------|--------|-------------|-------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|   |   |         |       |        | Air         | Water |           |                                                                                                                                                                                                                        |        |
|   |   |         |       |        |             |       |           | April 11 <sup>th</sup> 1909.                                                                                                                                                                                           |        |
|   |   |         |       |        |             |       |           | During the afternoon fresh<br>& r. W. gale at 4 p.m. fore<br>Royal back stay carried away<br>with no Royal set and<br>The Fore sail also carried<br>away but the fore sail and<br>beath other fore sail and set<br>it. |        |

| Course   | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|----------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| 4r. x r. | 162.     |               |           |               |             |           |               |               |             |

|      |       |     |        |    |
|------|-------|-----|--------|----|
| 36.2 | 11.17 | Ep. | 124.22 | 41 |
|------|-------|-----|--------|----|

Journal from San Francisco towards Muskeget.

Journal from San Francisco towards Muskeget.

| H  | K   | F | COURSES      | WINDS        | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | Mon. day of April 12 <sup>th</sup> | H  | K   | F | COURSES  | WINDS   | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | Wed. day of April 14 <sup>th</sup> 1909.                                            |
|----|-----|---|--------------|--------------|--------|--------------------------|-----------|---------|------------------------------------|----|-----|---|----------|---------|--------|--------------------------|-----------|---------|-------------------------------------------------------------------------------------|
| 1  |     |   |              |              |        |                          |           |         |                                    | 1  |     |   |          |         |        |                          | 30. 5/10  |         |                                                                                     |
| 2  |     |   |              |              |        |                          |           |         |                                    | 2  |     |   |          |         |        |                          |           |         |                                                                                     |
| 3  |     |   |              |              |        |                          |           |         |                                    | 3  |     |   |          |         |        |                          |           |         |                                                                                     |
| 4  |     |   |              |              |        |                          |           |         |                                    | 4  | 24. |   | W. x S.  | N. x W. |        |                          |           |         | This 24 hours fine weather moderate breeze wind with all sail set to best advantage |
| 5  |     |   |              |              |        |                          |           |         |                                    | 5  |     |   |          |         |        |                          |           |         |                                                                                     |
| 6  |     |   |              |              |        |                          |           |         |                                    | 6  |     |   |          |         |        |                          |           |         |                                                                                     |
| 7  |     |   |              |              |        |                          |           |         |                                    | 7  |     |   |          |         |        |                          |           |         |                                                                                     |
| 8  | 35. |   | S. W.        | N. W.        |        |                          |           |         |                                    | 8  | 28. |   | W 1/2 S. | " "     |        |                          |           |         | Pumps Lights and Lookout attended to                                                |
| 9  |     |   |              |              |        |                          |           |         |                                    | 9  |     |   |          |         |        |                          |           |         | 5 inches water in the Pump well                                                     |
| 10 |     |   |              |              |        |                          |           |         |                                    | 10 |     |   |          |         |        |                          |           |         |                                                                                     |
| 11 |     |   |              |              |        |                          |           |         |                                    | 11 |     |   |          |         |        |                          |           |         |                                                                                     |
| 12 | 23  |   | " "          | " "          |        |                          |           |         |                                    | 12 | 24. |   | " "      | " "     |        |                          |           |         |                                                                                     |
| 1  |     |   |              |              |        |                          |           |         |                                    | 1  |     |   |          |         |        |                          |           |         |                                                                                     |
| 2  |     |   |              |              |        |                          |           |         |                                    | 2  |     |   |          |         |        |                          |           |         |                                                                                     |
| 3  |     |   |              |              |        |                          |           |         |                                    | 3  |     |   |          |         |        |                          |           |         |                                                                                     |
| 4  |     |   | S. W. 1/2 W. | N. W. 1/2 W. |        |                          |           |         |                                    | 4  | 24. |   | " "      | " "     |        |                          |           |         |                                                                                     |
| 5  |     |   |              |              |        |                          |           |         |                                    | 5  |     |   |          |         |        |                          |           |         |                                                                                     |
| 6  |     |   |              |              |        |                          |           |         |                                    | 6  |     |   |          |         |        |                          |           |         |                                                                                     |
| 7  |     |   |              |              |        |                          |           |         |                                    | 7  |     |   |          |         |        |                          |           |         |                                                                                     |
| 8  |     |   | N. S. W.     | N. x W.      |        |                          |           |         |                                    | 8  | 26. |   | W. x N.  | N. x E. |        |                          |           |         |                                                                                     |
| 9  |     |   |              |              |        |                          |           |         |                                    | 9  |     |   |          |         |        |                          |           |         |                                                                                     |
| 10 |     |   |              |              |        |                          |           |         |                                    | 10 |     |   |          |         |        |                          |           |         |                                                                                     |
| 11 |     |   |              |              |        |                          |           |         |                                    | 11 |     |   |          |         |        |                          |           |         |                                                                                     |
| 12 |     |   | West.        | N.           |        |                          |           |         |                                    | 12 | 30. |   |          | N. x E. |        |                          |           |         |                                                                                     |

| Course  | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course  | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|---------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|---------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| W. x S. | 128.     | 7 S.          |           | 36. 4 N.      | 36. 1 N.    | 17 E.     |               |               |             | W. x N. | 156.     | 60 S. N.      | 146. W.   | 37. 54.       | 37. 55.     | 17 E.     | 136. W.       | 133. 45       | 133. 45 1/2 |

| H  | K   | F | COURSES  | WINDS   | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | Tues. day of April 13 <sup>th</sup> | H  | K   | F | COURSES        | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | Thurs. day of April 15 <sup>th</sup> 1909.                            |
|----|-----|---|----------|---------|--------|--------------------------|-----------|---------|-------------------------------------|----|-----|---|----------------|-------|--------|--------------------------|-----------|---------|-----------------------------------------------------------------------|
| 1  |     |   |          |         |        |                          |           |         |                                     | 1  |     |   |                |       |        |                          | 30. 50'   |         |                                                                       |
| 2  |     |   |          |         |        |                          |           |         |                                     | 2  |     |   |                |       |        |                          |           |         |                                                                       |
| 3  |     |   |          |         |        |                          |           |         |                                     | 3  |     |   |                |       |        |                          |           |         |                                                                       |
| 4  | 18. |   | N. S. W. | N. W.   |        |                          |           |         |                                     | 4  |     |   |                |       |        |                          |           |         | This 24 hours fine weather moderate breeze from the N. E. smooth sea. |
| 5  |     |   |          |         |        |                          |           |         |                                     | 5  |     |   |                |       |        |                          |           |         | Henson has been sick for 3 days Master is attending at him            |
| 6  |     |   |          |         |        |                          |           |         |                                     | 6  |     |   |                |       |        |                          |           |         | Pumps Lights and Lookout attended to                                  |
| 7  |     |   |          |         |        |                          |           |         |                                     | 7  |     |   |                |       |        |                          |           |         | 5 inches water in the Pump well.                                      |
| 8  | 16. |   | W. x N.  | N. x W. |        |                          |           |         |                                     | 8  |     |   |                |       |        |                          |           |         |                                                                       |
| 9  |     |   |          |         |        |                          |           |         |                                     | 9  |     |   |                |       |        |                          |           |         |                                                                       |
| 10 |     |   |          |         |        |                          |           |         |                                     | 10 |     |   |                |       |        |                          |           |         |                                                                       |
| 11 |     |   |          |         |        |                          |           |         |                                     | 11 |     |   |                |       |        |                          |           |         |                                                                       |
| 12 | 17  |   | W. x S.  | N. x W. |        |                          |           |         |                                     | 12 |     |   |                |       |        |                          |           |         |                                                                       |
| 1  |     |   |          |         |        |                          |           |         |                                     | 1  |     |   |                |       |        |                          |           |         |                                                                       |
| 2  |     |   |          |         |        |                          |           |         |                                     | 2  |     |   |                |       |        |                          |           |         |                                                                       |
| 3  |     |   |          |         |        |                          |           |         |                                     | 3  |     |   |                |       |        |                          |           |         |                                                                       |
| 4  | 17  |   | " "      | " "     |        |                          |           |         |                                     | 4  |     |   |                |       |        |                          |           |         |                                                                       |
| 5  |     |   |          |         |        |                          |           |         |                                     | 5  |     |   |                |       |        |                          |           |         |                                                                       |
| 6  |     |   |          |         |        |                          |           |         |                                     | 6  |     |   |                |       |        |                          |           |         |                                                                       |
| 7  |     |   |          |         |        |                          |           |         |                                     | 7  |     |   |                |       |        |                          |           |         |                                                                       |
| 8  |     |   |          |         |        |                          |           |         |                                     | 8  |     |   |                |       |        |                          |           |         |                                                                       |
| 9  |     |   |          |         |        |                          |           |         |                                     | 9  |     |   |                |       |        |                          |           |         |                                                                       |
| 10 |     |   |          |         |        |                          |           |         |                                     | 10 |     |   |                |       |        |                          |           |         |                                                                       |
| 11 |     |   |          |         |        |                          |           |         |                                     | 11 |     |   |                |       |        |                          |           |         |                                                                       |
| 12 | 47  |   | W.       | N. x W. |        |                          |           |         |                                     | 12 | 165 |   | W. x N. 1/2 W. | N. E. |        |                          |           |         |                                                                       |

| Course  | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|---------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| W. x N. | 114.     | 58 W.         | 10. 58    | 36. 30.       | 36. 58.     | 17 E.     | 133. W.       | 130. 31'      | 130. 53' N. | 165.   | 98.      | 134.          | 134. N.   | —             | 14. E.      | 175.      | 136. 40.      | 136. 48. 70   |             |

## Journal from San Francisco towards Nushagen.

## Journal from San Francisco towards Nushagen.

| H  | K  | F | COURSES       | WINDS | LEEWAY | Thermometer | Barometer | REMARKS                        | Day of April 16-1909 | H  | K   | F | COURSES       | WINDS | LEEWAY | Thermometer | Barometer | REMARKS                      | Day of April 17-1909 |
|----|----|---|---------------|-------|--------|-------------|-----------|--------------------------------|----------------------|----|-----|---|---------------|-------|--------|-------------|-----------|------------------------------|----------------------|
|    |    |   |               |       |        | Air         | Water     |                                |                      |    |     |   |               |       |        | Air         | Water     |                              |                      |
| 1  |    |   |               |       |        |             |           | Fine weather throughout.       |                      | 1  |     |   |               |       |        |             |           | First part wind South        |                      |
| 2  |    |   |               |       |        |             |           | very light breeze wind blowing |                      | 2  |     |   |               |       |        |             |           | very light and passing fog   |                      |
| 3  |    |   |               |       |        |             |           | from N. E. to North.           |                      | 3  |     |   |               |       |        |             |           | showing during the night     |                      |
| 4  |    |   |               |       |        |             |           |                                |                      | 4  |     |   |               |       |        |             |           | almost calm blowing air      |                      |
| 5  |    |   |               |       |        |             |           |                                |                      | 5  |     |   |               |       |        |             |           | 4 a.m. a breeze springing up |                      |
| 6  |    |   |               |       |        |             |           | Pumps Lights and Look out      |                      | 6  | 44. |   | W. & N. South | 1/2   |        |             |           | from the East. sky           |                      |
| 7  |    |   |               |       |        |             |           | attended to.                   |                      | 7  |     |   | " " " "       | "     |        |             |           | cloudy                       |                      |
| 8  |    |   |               |       |        |             |           | 6 inches water in the          |                      | 8  | 10  |   | " " " "       | "     |        |             |           | 8 a.m. wind increasing       |                      |
| 9  |    |   |               |       |        |             |           | Pump well.                     |                      | 9  |     |   |               |       |        |             |           | in force to moderate         |                      |
| 10 |    |   |               |       |        |             |           |                                |                      | 10 |     |   |               |       |        |             |           | breeze                       |                      |
| 11 |    |   |               |       |        |             |           |                                |                      | 11 |     |   |               |       |        |             |           | Pumps Lights and             |                      |
| 12 |    |   |               |       |        |             |           |                                |                      | 12 | 14  |   | W. & N. S. W. | 1/2   |        |             |           | Look out attended to         |                      |
| 1  |    |   |               |       |        |             |           |                                |                      | 1  |     |   |               |       |        |             |           | also fog horn                |                      |
| 2  |    |   |               |       |        |             |           |                                |                      | 2  |     |   |               |       |        |             |           | 6 inches water in            |                      |
| 3  |    |   |               |       |        |             |           |                                |                      | 3  |     |   |               |       |        |             |           | the Pump well.               |                      |
| 4  |    |   |               |       |        |             |           |                                |                      | 4  | 8   |   | W. & N. S.    | 1/2   |        |             |           | 3 days out.                  |                      |
| 5  |    |   |               |       |        |             |           |                                |                      | 5  |     |   |               |       |        |             |           | over run the P. Log 14 miles |                      |
| 6  |    |   |               |       |        |             |           |                                |                      | 6  |     |   |               |       |        |             |           | by Ob.                       |                      |
| 7  |    |   |               |       |        |             |           |                                |                      | 7  |     |   |               |       |        |             |           |                              |                      |
| 8  |    |   |               |       |        |             |           |                                |                      | 8  | 12. |   | " " " "       | "     |        |             |           |                              |                      |
| 9  |    |   |               |       |        |             |           |                                |                      | 9  |     |   |               |       |        |             |           |                              |                      |
| 10 |    |   |               |       |        |             |           |                                |                      | 10 |     |   |               |       |        |             |           |                              |                      |
| 11 |    |   |               |       |        |             |           |                                |                      | 11 |     |   |               |       |        |             |           |                              |                      |
| 12 | 95 |   | W. & N. S. W. |       |        |             |           |                                |                      | 12 | 22. |   | " " East.     | —     |        |             |           |                              |                      |

| Course    | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course    | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|-----------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|-----------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| N. 44° W. | 95       | 8° 9' N.      | 76 1/2    | 40° 34'       | 40° 30' N.  | 18 E.     | 100 1/2       | 138° 28'      | 138° 27'    | N. 44° W. | 120      | 8° 5' N.      | 85.6 1/2  | 43° 5' N.     | 43° 2' N.   | 20 E.     | 117.6 1/2     | 142° 18'      | 142° 29'    |

| H  | K    | F | COURSES       | WINDS | LEEWAY | Thermometer | Barometer | REMARKS                          | Day of April 17-1909 | H  | K   | F | COURSES       | WINDS | LEEWAY | Thermometer | Barometer | REMARKS                          | Day of April 19-1909 |
|----|------|---|---------------|-------|--------|-------------|-----------|----------------------------------|----------------------|----|-----|---|---------------|-------|--------|-------------|-----------|----------------------------------|----------------------|
|    |      |   |               |       |        | Air         | Water     |                                  |                      |    |     |   |               |       |        | Air         | Water     |                                  |                      |
| 1  |      |   |               |       |        |             |           | Fine weather throughout          |                      | 1  |     |   |               |       |        |             |           | First part fine weather          |                      |
| 2  |      |   |               |       |        |             |           | N. E. the first part during the  |                      | 2  |     |   |               |       |        |             |           | moderate breeze 9 p.m.           |                      |
| 3  |      |   |               |       |        |             |           | night hauled to S. W. very light |                      | 3  |     |   |               |       |        |             |           | fresh gale weather heavy 10 p.m. |                      |
| 4  |      |   |               |       |        |             |           | 5 a.m. wind increasing in        |                      | 4  |     |   |               |       |        |             |           | raining 4 a.m. wind falling      |                      |
| 5  |      |   |               |       |        |             |           | force sky overcast.              |                      | 5  |     |   |               |       |        |             |           | light and fog 6 a.m. wind        |                      |
| 6  |      |   |               |       |        |             |           |                                  |                      | 6  |     |   |               |       |        |             |           | hauled to South bay Southward    |                      |
| 7  |      |   |               |       |        |             |           | Pumps Lights and Look out        |                      | 7  |     |   |               |       |        |             |           | small                            |                      |
| 8  |      |   |               |       |        |             |           | attended to                      |                      | 8  |     |   |               |       |        |             |           |                                  |                      |
| 9  |      |   |               |       |        |             |           | 6 inches water in the Pump       |                      | 9  |     |   |               |       |        |             |           | Pumps Lights and Look out        |                      |
| 10 |      |   |               |       |        |             |           | well.                            |                      | 10 |     |   |               |       |        |             |           | attended to 6 inches water       |                      |
| 11 |      |   |               |       |        |             |           |                                  |                      | 11 |     |   |               |       |        |             |           | in the Pump well.                |                      |
| 12 |      |   |               |       |        |             |           |                                  |                      | 12 |     |   |               |       |        |             |           | 9 days out.                      |                      |
| 1  |      |   |               |       |        |             |           |                                  |                      | 1  |     |   |               |       |        |             |           |                                  |                      |
| 2  |      |   |               |       |        |             |           |                                  |                      | 2  |     |   |               |       |        |             |           |                                  |                      |
| 3  |      |   |               |       |        |             |           |                                  |                      | 3  |     |   |               |       |        |             |           |                                  |                      |
| 4  |      |   |               |       |        |             |           |                                  |                      | 4  |     |   |               |       |        |             |           |                                  |                      |
| 5  |      |   |               |       |        |             |           |                                  |                      | 5  |     |   |               |       |        |             |           |                                  |                      |
| 6  |      |   |               |       |        |             |           |                                  |                      | 6  |     |   |               |       |        |             |           |                                  |                      |
| 7  |      |   |               |       |        |             |           |                                  |                      | 7  |     |   |               |       |        |             |           |                                  |                      |
| 8  |      |   |               |       |        |             |           |                                  |                      | 8  |     |   |               |       |        |             |           |                                  |                      |
| 9  |      |   |               |       |        |             |           |                                  |                      | 9  |     |   |               |       |        |             |           |                                  |                      |
| 10 |      |   |               |       |        |             |           |                                  |                      | 10 |     |   |               |       |        |             |           |                                  |                      |
| 11 |      |   |               |       |        |             |           |                                  |                      | 11 |     |   |               |       |        |             |           |                                  |                      |
| 12 | 100. |   | W. & N. S. W. |       |        |             | 30.50.    |                                  |                      | 12 | 169 |   | W. & N. S. W. | 1/2   |        |             | 30.55.    |                                  |                      |

| Course    | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course    | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|-----------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|-----------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| N. 44° W. | 100.     | 7° 0' N.      | 70 1/2    | 40° 40'       | 40° 40' N.  | 20 E.     | 94 1/2        | 140° 18'      | 140° 18'    | N. 44° W. | 169.     | 11° 5' N.     | 119.5 1/2 | 45° 29'       | 44° 5'      | 20 E.     | 169. 1/2      | 145° 18'      | 145° 23'    |

## Journal from San Francisco towards Nushagak.

## Journal from San Francisco towards Nushagak.

| H  | K   | F | COURSES  | WINDS    | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                                            | Thurs. day of April 20 <sup>th</sup> 1909 | H  | K  | F | COURSES  | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | Thurs. day of April 22 <sup>nd</sup> 1909.                                                                                                                                                                                                                                                                                                      |
|----|-----|---|----------|----------|--------|--------------------------|-----------|--------------------------------------------------------------------|-------------------------------------------|----|----|---|----------|-------|--------|--------------------------|-----------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  |     |   |          |          |        |                          |           |                                                                    |                                           | 1  |    |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 2  |     |   |          |          |        |                          |           |                                                                    |                                           | 2  |    |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 3  |     |   |          |          |        |                          |           |                                                                    |                                           | 3  |    |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 4  | 18. |   | N. N. W. | S. W. S. | -      |                          | 30.50.    | This 24 hours wind light<br>weather foggy                          |                                           | 4  | 28 |   | N. N. W. | N. E. | -      |                          |           |         | Weather foggy wind N. E.<br>first part moderate breeze 8 p.m.<br>wind East 2 a.m. fresh<br>gale with rain fresh<br>The Spunk or and Gafflop sail<br>3 a.m. wind moderating<br>and hauled to S. E. set<br>Spunk or and Gafflop sail<br>7 a.m. fore rope split and<br>the Royal and Deck and repaired<br>at 12 noon bent the Royal and<br>set it. |
| 5  |     |   |          |          |        |                          |           |                                                                    |                                           | 5  |    |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 6  |     |   |          |          |        |                          |           |                                                                    |                                           | 6  |    |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 7  |     |   |          |          |        |                          |           | Pumps Lights and Look out<br>attended to                           |                                           | 7  |    |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 8  | 18. |   |          |          |        |                          |           | 6 inches water in the Pump<br>spell                                |                                           | 8  | 34 |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 9  |     |   |          |          |        |                          |           |                                                                    |                                           | 9  |    |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 10 |     |   |          |          |        |                          |           | 10 days out.                                                       |                                           | 10 |    |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 11 |     |   |          |          |        |                          |           |                                                                    |                                           | 11 |    |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 12 | 18  |   |          |          |        |                          |           | Henson recovered from<br>sickness but not on<br>duty. being feeble |                                           | 12 | 35 |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 1  |     |   |          |          |        |                          |           |                                                                    |                                           | 1  |    |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 2  |     |   |          |          |        |                          |           |                                                                    |                                           | 2  |    |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 3  |     |   |          |          |        |                          |           |                                                                    |                                           | 3  |    |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 4  | 18  |   |          |          |        |                          |           |                                                                    |                                           | 4  | 31 |   |          |       |        |                          |           |         | Pumps Lights and Look out<br>attended to.                                                                                                                                                                                                                                                                                                       |
| 5  |     |   |          |          |        |                          |           |                                                                    |                                           | 5  |    |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 6  |     |   |          |          |        |                          |           |                                                                    |                                           | 6  |    |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 7  |     |   |          |          |        |                          |           |                                                                    |                                           | 7  |    |   |          | S. E. | S. E.  |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 8  | 20  |   |          |          |        |                          |           |                                                                    |                                           | 8  | 31 |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 9  |     |   |          |          |        |                          |           |                                                                    |                                           | 9  |    |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 10 |     |   |          |          |        |                          |           |                                                                    |                                           | 10 |    |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 11 |     |   |          |          |        |                          |           |                                                                    |                                           | 11 |    |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |
| 12 | 18  |   |          |          |        |                          |           |                                                                    |                                           | 12 | 31 |   |          |       |        |                          |           |         |                                                                                                                                                                                                                                                                                                                                                 |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| N. W.  | 110.     | 77.8 N.       | 77.8 W.   | 46.15.        | 46.12 N     | 20 E.     | 12.52. W.     | 147.15.       | —           | N. W.  | 190      | 105.6 N       | 158 W.    | 48.44 N       | —           | 22. E.    | 237. W.       | 152.44 W.     | —           |

| H  | K   | F        | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | Wed. day of April 21 <sup>st</sup> 1909 | H  | K   | F | COURSES         | WINDS    | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | Fri. day of April 23 <sup>rd</sup> 1909.                                                                    |
|----|-----|----------|---------|-------|--------|--------------------------|-----------|---------|-----------------------------------------|----|-----|---|-----------------|----------|--------|--------------------------|-----------|---------|-------------------------------------------------------------------------------------------------------------|
| 1  |     |          |         |       |        |                          |           |         |                                         | 1  |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 2  |     |          |         |       |        |                          |           |         |                                         | 2  |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 3  |     |          |         |       |        |                          |           |         |                                         | 3  |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 4  |     |          |         |       |        |                          |           |         |                                         | 4  | 23  |   | N. N. W.        | South    | 1/2    |                          |           |         | First part wind South 8 p.m.<br>wind hauled to S. W. 4 a.m.<br>weather squally wind N. S. W.<br>smooth sea. |
| 5  |     |          |         |       |        |                          |           |         |                                         | 5  |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 6  |     |          |         |       |        |                          |           |         |                                         | 6  | 6   |   | N. N. W. 1/2 N. | S. W. S. | "      |                          |           |         | Pumps Lights and Look out<br>attended to.<br>6 inches water in the Pump well.                               |
| 7  |     |          |         |       |        |                          |           |         |                                         | 7  |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 8  |     |          |         |       |        |                          |           |         |                                         | 8  |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 9  |     |          |         |       |        |                          |           |         |                                         | 9  |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 10 |     |          |         |       |        |                          |           |         |                                         | 10 |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 11 |     |          |         |       |        |                          |           |         |                                         | 11 |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 12 |     |          |         |       |        |                          |           |         |                                         | 12 | 12  |   | N. N. W.        | S. W.    | 1/2    |                          |           |         |                                                                                                             |
| 1  |     |          |         |       |        |                          |           |         |                                         | 1  |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 2  |     |          |         |       |        |                          |           |         |                                         | 2  |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 3  |     |          |         |       |        |                          |           |         |                                         | 3  |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 4  |     |          |         |       |        |                          |           |         |                                         | 4  | 26  |   | N. N. W. 1/2 N. | S. W.    | 1/2    |                          |           |         |                                                                                                             |
| 5  |     |          |         |       |        |                          |           |         |                                         | 5  |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 6  |     |          |         |       |        |                          |           |         |                                         | 6  |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 7  |     |          |         |       |        |                          |           |         |                                         | 7  |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 8  |     |          |         |       |        |                          |           |         |                                         | 8  | 25  |   | N. N. W.        | N. S.    | 1/2    |                          |           |         |                                                                                                             |
| 9  |     |          |         |       |        |                          |           |         |                                         | 9  |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 10 |     |          |         |       |        |                          |           |         |                                         | 10 |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 11 |     |          |         |       |        |                          |           |         |                                         | 11 |     |   |                 |          |        |                          |           |         |                                                                                                             |
| 12 | 75. | N. N. W. |         | N. E. | -      |                          |           |         |                                         | 12 | 26. |   | N. N. W.        | S. W.    | 1/2    |                          |           |         |                                                                                                             |

| Course   | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course   | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|----------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|----------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| N. N. W. | 75.      | 41 N.         | 62 W.     | 46.53         | —           | 21 E.     | 91 W.         | 148.46 W.     | —           | N. N. W. | 127      | 119.8 N       | 42 W.     | 50.44 N       | 50.46.      | 22 E.     | 62 W.         | 153.52.       | 153.41 W.   |

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| H  | K    | F | COURSES   | WINDS   | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                      | Lat. day of April 24 <sup>th</sup> | H  | K  | F | COURSES    | WINDS      | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | Mon. day of April 26 <sup>th</sup> 1909. |
|----|------|---|-----------|---------|--------|--------------------------|-----------|------------------------------|------------------------------------|----|----|---|------------|------------|--------|--------------------------|-----------|---------|------------------------------------------|
| 1  |      |   |           |         |        |                          |           | First port moderate breeze   |                                    | 1  |    |   |            |            |        |                          |           |         |                                          |
| 2  |      |   |           |         |        |                          |           | 4 p.m. wind freshening in    |                                    | 2  | 10 |   | S. W.      | N. x N.    | 1      | 30.40                    |           |         | Fine weather throughout.                 |
| 3  |      |   |           |         |        |                          |           | force 5 p.m. fueled          |                                    | 3  |    |   |            |            |        |                          |           |         | This 24 hours wind baffling              |
| 4  |      |   |           |         |        |                          |           | Gallant stay sail 7 p.m.     |                                    | 4  | 25 |   |            |            |        |                          |           |         | from W. to S. W. sky cloudy              |
| 5  |      |   |           |         |        |                          |           | hoisted the Spruce and       |                                    | 5  |    |   |            |            |        |                          |           |         | moorh sea.                               |
| 6  |      |   |           |         |        |                          |           | forced the Royals and        |                                    | 6  |    |   |            |            |        |                          |           |         | 2 p.m. Taked ship to                     |
| 7  |      |   |           |         |        |                          |           | Stacy Yib. 8 a.m. wind       |                                    | 7  |    |   |            |            |        |                          |           |         | Northward                                |
| 8  |      |   |           |         |        |                          |           | moderating 4 p.m.            |                                    | 8  |    |   |            |            |        |                          |           |         |                                          |
| 9  |      |   |           |         |        |                          |           | wind calm 12 noon            |                                    | 9  |    |   |            |            |        |                          |           |         |                                          |
| 10 |      |   |           |         |        |                          |           | light breeze from the N. W.  |                                    | 10 |    |   |            |            |        |                          |           |         | Pumps Lights and Lookout                 |
| 11 |      |   |           |         |        |                          |           | all sails set.               |                                    | 11 |    |   |            |            |        |                          |           |         | attended to                              |
| 12 |      |   |           |         |        |                          |           | Hanson under influence       |                                    | 12 | 40 |   | N. 1/2 W.  | N. x N.    | "      |                          |           |         | 16 days out                              |
| 1  |      |   |           |         |        |                          |           | of Whiskey Master Took out   |                                    | 1  |    |   |            |            |        |                          |           |         |                                          |
| 2  |      |   |           |         |        |                          |           | a Gallon of Whiskey from him |                                    | 2  |    |   |            |            |        |                          |           |         |                                          |
| 3  |      |   |           |         |        |                          |           |                              |                                    | 3  |    |   |            |            |        |                          |           |         |                                          |
| 4  |      |   |           |         |        |                          |           | Pumps Lights and Lookout     |                                    | 4  | 26 |   | N 1/2 W.   | " "        | "      |                          |           |         |                                          |
| 5  |      |   |           |         |        |                          |           | attended to.                 |                                    | 5  |    |   |            |            |        |                          |           |         |                                          |
| 6  |      |   |           |         |        |                          |           |                              |                                    | 6  |    |   |            |            |        |                          |           |         |                                          |
| 7  |      |   |           |         |        |                          |           |                              |                                    | 7  |    |   |            |            |        |                          |           |         |                                          |
| 8  |      |   |           |         |        |                          |           |                              |                                    | 8  | 25 |   | N. x W.    | S. W.      | "      |                          |           |         |                                          |
| 9  |      |   |           |         |        |                          |           |                              |                                    | 9  |    |   |            |            |        |                          |           |         |                                          |
| 10 |      |   |           |         |        |                          |           |                              |                                    | 10 |    |   |            |            |        |                          |           |         |                                          |
| 11 |      |   |           |         |        |                          |           |                              |                                    | 11 |    |   |            |            |        |                          |           |         |                                          |
| 12 | 119. |   | N. 1/2 W. | N. x N. |        |                          |           |                              |                                    | 12 | 55 |   | N. W. x W. | S. W. x S. | "      |                          |           |         |                                          |

| Course  | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course  | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|---------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|---------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| N. x W. | 119.     | 11 1/2 N.     | 63.4      | 57.46         | —           | 10 E.     | 10 1/2 W.     | 155.37        | —           | N. 6 W. | 160.     | 124.          | 15 1/2 W. | 53.48 N       | —           | 20 E.     | 21 W.         | 158.1 W.      | —           |

| H  | K   | F | COURSES   | WINDS      | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                       | Sun. day of April 25 <sup>th</sup> 1909. | H  | K  | F | COURSES        | WINDS      | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | Tues. day of April 27 <sup>th</sup> 09. |
|----|-----|---|-----------|------------|--------|--------------------------|-----------|-------------------------------|------------------------------------------|----|----|---|----------------|------------|--------|--------------------------|-----------|---------|-----------------------------------------|
| 1  |     |   |           |            |        |                          |           | This 24 hours fine weather    |                                          | 1  |    |   |                |            |        |                          |           |         |                                         |
| 2  |     |   |           |            |        |                          |           | moderate breeze wind baffling |                                          | 2  | 10 |   | N. x W.        | S. W. x S. |        | 30.20                    |           |         | This 24 hours wind variable             |
| 3  |     |   |           |            |        |                          |           | Taked ship 10 a.m. to N. W.   |                                          | 3  |    |   |                |            |        |                          |           |         | moderate breeze sky cloudy wind         |
| 4  | 28  |   | S. W.     | N. W. x W. | 1      | 30.20                    |           | 12 noon Taked back again      |                                          | 4  | 6  |   |                |            |        |                          |           |         | first part N. S. W. then front          |
| 5  |     |   |           |            |        |                          |           | to Southward.                 |                                          | 5  |    |   |                |            |        |                          |           |         | S. E. Taked ship 12 mid night           |
| 6  |     |   |           |            |        |                          |           |                               |                                          | 6  | 24 |   | S. E.          | S. W. x S. |        |                          |           |         |                                         |
| 7  |     |   |           |            |        |                          |           | Pumps Lights and Lookout      |                                          | 7  |    |   |                |            |        |                          |           |         | Pumps Lights and Lookout                |
| 8  | 27  |   | S. W.     | N. x W.    | "      |                          |           | attended to.                  |                                          | 8  | 14 |   | S. E. x E.     | "          |        |                          |           |         | attended to                             |
| 9  |     |   |           |            |        |                          |           |                               |                                          | 9  |    |   |                |            |        |                          |           |         |                                         |
| 10 |     |   |           |            |        |                          |           | 15 days out.                  |                                          | 10 |    |   |                |            |        |                          |           |         | 17 days out.                            |
| 11 |     |   |           |            |        |                          |           |                               |                                          | 11 |    |   |                |            |        |                          |           |         |                                         |
| 12 | 23  |   | N. W.     | " "        | 1      |                          |           |                               |                                          | 12 | 21 |   | S. E.          |            |        |                          |           |         |                                         |
| 1  |     |   |           |            |        |                          |           |                               |                                          | 1  |    |   |                |            |        |                          |           |         |                                         |
| 2  |     |   |           |            |        |                          |           |                               |                                          | 2  |    |   |                |            |        |                          |           |         |                                         |
| 3  |     |   |           |            |        |                          |           |                               |                                          | 3  |    |   |                |            |        |                          |           |         |                                         |
| 4  | 23  |   | S. x W.   | N.         | "      |                          |           |                               |                                          | 4  | 21 |   | N. x S. 1/2 S. | S. E.      |        |                          |           |         |                                         |
| 5  |     |   |           |            |        |                          |           |                               |                                          | 5  |    |   |                |            |        |                          |           |         |                                         |
| 6  |     |   |           |            |        |                          |           |                               |                                          | 6  |    |   |                |            |        |                          |           |         |                                         |
| 7  |     |   |           |            |        |                          |           |                               |                                          | 7  |    |   |                |            |        |                          |           |         |                                         |
| 8  | 22. |   | S. 1/2 W. | N. x S.    |        |                          |           |                               |                                          | 8  | 18 |   | " "            | " "        |        |                          |           |         |                                         |
| 9  |     |   |           |            |        |                          |           |                               |                                          | 9  |    |   |                |            |        |                          |           |         |                                         |
| 10 | 19  |   | N.        | N. x W.    |        |                          |           |                               |                                          | 10 |    |   |                |            |        |                          |           |         |                                         |
| 11 |     |   |           |            |        |                          |           |                               |                                          | 11 |    |   |                |            |        |                          |           |         |                                         |
| 12 | 7   |   | S. W.     | N. x W.    |        |                          |           |                               |                                          | 12 | 18 |   | N. S. W.       | S. S. E.   |        |                          |           |         |                                         |

| Course   | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course   | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|----------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|----------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| N. 86 W. | 110.     | 9 1/2 N.      | 66.4      | 51.29         | 57.29       | 20 E.     | 106.2         | 157.37        | 157.40      | N. 42 W. | 60.      | 52.59 N       | —         | 20 E.         | —           | 158.6 W.  | —             | —             | —           |

Journal from San Francisco

towards

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| H  | K   | F | COURSES  | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | Wed. day of April 28 <sup>th</sup> 1909 | H  | K | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | Thu. day of April 30 <sup>th</sup> 1909. |
|----|-----|---|----------|-------|--------|--------------------------|-----------|---------|-----------------------------------------|----|---|---|---------|-------|--------|--------------------------|-----------|---------|------------------------------------------|
| 1  |     |   |          |       |        |                          |           |         | 29.35.                                  | 1  |   |   |         |       |        |                          |           |         | 29.30.                                   |
| 2  |     |   |          |       |        |                          |           |         | Weather rainy moderate East             | 2  |   |   |         |       |        |                          |           |         |                                          |
| 3  |     |   |          |       |        |                          |           |         | wind 6 <sup>30</sup> C. E. 4 p.m.       | 3  |   |   |         |       |        |                          |           |         |                                          |
| 4  |     |   |          |       |        |                          |           |         | wind hauled to N. E. 10 a.m.            | 4  |   |   |         |       |        |                          |           |         |                                          |
| 5  |     |   |          |       |        |                          |           |         | wind N. W. 7 a.m. sighted               | 5  |   |   |         |       |        |                          |           |         |                                          |
| 6  |     |   |          |       |        |                          |           |         | Sannak Island 4 a.m.                    | 6  |   |   |         |       |        |                          |           |         |                                          |
| 7  |     |   |          |       |        |                          |           |         | Sannak Island a beam dist 3.            | 7  |   |   |         |       |        |                          |           |         |                                          |
| 8  |     |   |          |       |        |                          |           |         | fresh N. W. gale weather at 40          | 8  |   |   |         |       |        |                          |           |         |                                          |
| 9  |     |   |          |       |        |                          |           |         | with rain all small sails               | 9  |   |   |         |       |        |                          |           |         |                                          |
| 10 |     |   |          |       |        |                          |           |         | furled 12 noon furled fore              | 10 |   |   |         |       |        |                          |           |         |                                          |
| 11 |     |   |          |       |        |                          |           |         | Gallant sail                            | 11 |   |   |         |       |        |                          |           |         |                                          |
| 12 |     |   |          |       |        |                          |           |         | at noon Sannak Island a beam            | 12 |   |   |         |       |        |                          |           |         |                                          |
| 1  |     |   |          |       |        |                          |           |         | magnetic 4 <sup>30</sup> N. W. 4 p.m.   | 1  |   |   |         |       |        |                          |           |         |                                          |
| 2  |     |   |          |       |        |                          |           |         | bore 4 <sup>30</sup> N.                 | 2  |   |   |         |       |        |                          |           |         |                                          |
| 3  |     |   |          |       |        |                          |           |         |                                         | 3  |   |   |         |       |        |                          |           |         |                                          |
| 4  |     |   |          |       |        |                          |           |         | Lat. by bearing 53°-58 N.               | 4  |   |   |         |       |        |                          |           |         |                                          |
| 5  |     |   |          |       |        |                          |           |         | Long 163°-51 W.                         | 5  |   |   |         |       |        |                          |           |         |                                          |
| 6  |     |   |          |       |        |                          |           |         | 18 days to Unimak Pass.                 | 6  |   |   |         |       |        |                          |           |         |                                          |
| 7  |     |   |          |       |        |                          |           |         | Pumps Lights and Look out               | 7  |   |   |         |       |        |                          |           |         |                                          |
| 8  | 113 |   | N. E. W. | East  |        |                          |           |         | attended to.                            | 8  |   |   |         |       |        |                          |           |         |                                          |
| 9  |     |   |          |       |        |                          |           |         |                                         | 9  |   |   |         |       |        |                          |           |         |                                          |
| 10 |     |   |          |       |        |                          |           |         | 18 days out.                            | 10 |   |   |         |       |        |                          |           |         |                                          |
| 11 | 33  |   | N. W. W. | N.    |        |                          |           |         |                                         | 11 |   |   |         |       |        |                          |           |         |                                          |
| 12 | 28  |   |          |       |        |                          |           |         |                                         | 12 |   |   |         |       |        |                          |           |         |                                          |

| Course  | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|---------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| S 68 W. | 181      |               |           |               | 53°-58 N    | 20 E.     |               |               | 163°-51 W   |        |          |               |           | 53°-30        |             |           |               |               | 163°-28 W.  |

| H  | K | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | Tue. day of April 29 <sup>th</sup> 1909 | H  | K   | F                | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | Sat. day of May 1 <sup>st</sup> 1909. |
|----|---|---|---------|-------|--------|--------------------------|-----------|---------|-----------------------------------------|----|-----|------------------|---------|-------|--------|--------------------------|-----------|---------|---------------------------------------|
| 1  |   |   |         |       |        |                          |           |         | 29.26.                                  | 1  |     |                  |         |       |        |                          |           |         |                                       |
| 2  |   |   |         |       |        |                          |           |         | Weather stormy hard gale during         | 2  |     |                  |         |       |        |                          |           |         |                                       |
| 3  |   |   |         |       |        |                          |           |         | the night wind N. W. 7 p.m.             | 3  |     |                  |         |       |        |                          |           |         |                                       |
| 4  |   |   |         |       |        |                          |           |         | Furled upper Top sails 4 a.m.           | 4  |     |                  |         |       |        |                          |           |         |                                       |
| 5  |   |   |         |       |        |                          |           |         | weather moderated set upper             | 5  |     |                  |         |       |        |                          |           |         |                                       |
| 6  |   |   |         |       |        |                          |           |         | Top sails 8 a.m. made all sails         | 6  |     |                  |         |       |        |                          |           |         |                                       |
| 7  |   |   |         |       |        |                          |           |         | sighted a Bergue Noon Sighted           | 7  |     |                  |         |       |        |                          |           |         |                                       |
| 8  |   |   |         |       |        |                          |           |         | Cape bore magnetic E. x S. 1/2 S.       | 8  |     |                  |         |       |        |                          |           |         |                                       |
| 9  |   |   |         |       |        |                          |           |         | dist 10 miles.                          | 9  |     |                  |         |       |        |                          |           |         |                                       |
| 10 |   |   |         |       |        |                          |           |         | Lat by bearing 54°-27 N Long 165        | 10 |     |                  |         |       |        |                          |           |         |                                       |
| 11 |   |   |         |       |        |                          |           |         | Cape bore N. 58 W. dist 50 miles        | 11 |     |                  |         |       |        |                          |           |         |                                       |
| 12 |   |   |         |       |        |                          |           |         |                                         | 12 |     |                  |         |       |        |                          |           |         |                                       |
| 1  |   |   |         |       |        |                          |           |         | Pumps Lights and Look out               | 1  |     |                  |         |       |        |                          |           |         |                                       |
| 2  |   |   |         |       |        |                          |           |         | attended to.                            | 2  |     |                  |         |       |        |                          |           |         |                                       |
| 3  |   |   |         |       |        |                          |           |         | 19 days out.                            | 3  |     |                  |         |       |        |                          |           |         |                                       |
| 4  |   |   |         |       |        |                          |           |         |                                         | 4  |     |                  |         |       |        |                          |           |         |                                       |
| 5  |   |   |         |       |        |                          |           |         |                                         | 5  |     |                  |         |       |        |                          |           |         |                                       |
| 6  |   |   |         |       |        |                          |           |         |                                         | 6  |     |                  |         |       |        |                          |           |         |                                       |
| 7  |   |   |         |       |        |                          |           |         |                                         | 7  |     |                  |         |       |        |                          |           |         |                                       |
| 8  |   |   |         |       |        |                          |           |         |                                         | 8  |     |                  |         |       |        |                          |           |         |                                       |
| 9  |   |   |         |       |        |                          |           |         |                                         | 9  |     |                  |         |       |        |                          |           |         |                                       |
| 10 |   |   |         |       |        |                          |           |         |                                         | 10 |     |                  |         |       |        |                          |           |         |                                       |
| 11 |   |   |         |       |        |                          |           |         |                                         | 11 |     |                  |         |       |        |                          |           |         |                                       |
| 12 |   |   |         |       |        |                          |           |         |                                         | 12 | 100 | N. E. x N. N. W. |         |       |        | 29.40.                   |           |         |                                       |

| Course  | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob.  | Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|---------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|--------------|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| N 58 W. |          |               |           |               | 54.27 N     | 20 E.     |               |               | 165 W. 55 E. | 100    |          |               |           |               | 56°-37 N    |           |               |               | 164°-37 W.  |

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| H  | K  | F | COURSES    | WINDS      | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                   | Sun. day of May 2 <sup>d</sup> 1909 | H  | K   | F       | COURSES    | WINDS      | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                      | Tues. day of May 4 <sup>th</sup> 1909. |
|----|----|---|------------|------------|--------|--------------------------|-----------|-------------------------------------------|-------------------------------------|----|-----|---------|------------|------------|--------|--------------------------|-----------|----------------------------------------------|----------------------------------------|
| 1  |    |   |            |            |        |                          |           | Fine weather wind calm at                 |                                     | 1  |     |         |            |            |        |                          |           | Master at 4 p.m. breeze sky cloudy           |                                        |
| 2  |    |   |            |            |        |                          |           | intervals light baffling air              |                                     | 2  |     |         |            |            |        |                          |           | weather frosty at times snowing              |                                        |
| 3  |    |   |            |            |        |                          |           | 3 p.m. light N.W. breeze calm             |                                     | 3  |     |         |            |            |        |                          |           | 2 p.m. past the 4 masted Barkentine          |                                        |
| 4  |    |   |            |            |        |                          |           | during the night 5 a.m. light             |                                     | 4  | 8.  | N.W. N. | N.W. S.    | 1          |        |                          | 29.80.    | St. Daniel 3 <sup>30</sup> more ship sighted |                                        |
| 5  |    |   |            |            |        |                          |           | breeze from the West 6 a.m. on sails      |                                     | 5  |     |         |            |            |        |                          |           | came drift ice on the edge of the            |                                        |
| 6  |    |   |            |            |        |                          |           | close to the ice no clear water           |                                     | 6  |     |         |            |            |        |                          |           | main body of ice 12 mid night wind           |                                        |
| 7  |    |   |            |            |        |                          |           | visible a great mass of ice               |                                     | 7  |     |         |            |            |        |                          |           | calm 2 a.m. more ship 7 a.m.                 |                                        |
| 8  |    |   |            |            |        |                          |           | standing off and on under                 |                                     | 8  | 7   | S. x E. |            | 1          |        |                          |           | more ship. 11 <sup>20</sup> a.m. more ship   |                                        |
| 9  |    |   |            |            |        |                          |           | small sails. 7 <sup>40</sup> spoke to the |                                     | 9  |     |         |            |            |        |                          |           | wind North light breeze all sails            |                                        |
| 10 |    |   |            |            |        |                          |           | Barkentine Star at ice land a             |                                     | 10 |     |         |            |            |        |                          |           | set 06. Alt. at noon 49. 15' east            |                                        |
| 11 |    |   |            |            |        |                          |           | few Tot Westward, also standing           |                                     | 11 |     |         |            |            |        |                          |           | the lead got soundings 43 fathoms            |                                        |
| 12 | 13 |   | N x E.     | N x N.     |        |                          |           | off and on, clear weather.                |                                     | 12 |     |         | S. E. x S. | S. W.      | 1      |                          |           | Pumps Lights and Look out                    |                                        |
| 1  |    |   |            |            |        |                          |           |                                           |                                     | 1  |     |         |            |            |        |                          |           | attended to standing off and                 |                                        |
| 2  |    |   |            |            |        |                          |           |                                           |                                     | 2  | 9   |         | E. S. E.   | N. E.      | 1      |                          |           | on waiting for ice to open up.               |                                        |
| 3  |    |   |            |            |        |                          |           |                                           |                                     | 3  |     |         |            |            |        |                          |           |                                              |                                        |
| 4  |    |   |            |            |        |                          |           | Pumps Lights and Look out                 |                                     | 4  |     |         |            |            |        |                          |           |                                              |                                        |
| 5  |    |   |            |            |        |                          |           | attended to.                              |                                     | 5  |     |         |            |            |        |                          |           |                                              |                                        |
| 6  |    |   |            |            |        |                          |           |                                           |                                     | 6  |     |         |            |            |        |                          |           |                                              |                                        |
| 7  |    |   |            |            |        |                          |           | 22 days out.                              |                                     | 7  | 18. |         | E. x S.    | N. x E.    | 1/2.   |                          |           |                                              |                                        |
| 8  |    |   |            |            |        |                          |           |                                           |                                     | 8  |     |         |            |            |        |                          |           |                                              |                                        |
| 9  |    |   |            |            |        |                          |           |                                           |                                     | 9  |     |         |            |            |        |                          |           |                                              |                                        |
| 10 |    |   |            |            |        |                          |           |                                           |                                     | 10 |     |         |            |            |        |                          |           |                                              |                                        |
| 11 |    |   |            |            |        |                          |           |                                           |                                     | 11 | 19. |         | N. W. x N. | N. E. x N. | 1/2    |                          |           |                                              |                                        |
| 12 | 31 |   | S. W. x N. | N. W. x N. |        |                          | 29.50     |                                           |                                     | 12 | 3   |         | E. x N.    | North      | —      |                          |           | 29.80.                                       |                                        |

| Course    | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. | Course  | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|-----------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|---------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| S. 78. W. | 11       | 2.3 S.        | 10 W.     | 56. 37.      | 56. 35 N    | 19 E.     | 18 W.         | 161. 18 W.   | —           | N 76 W. | 7        | 1 S.          | 6 E.      | 56. 33.      | 56. 32. N   | 19 E.     | 11 E.         | 161. 17 W.   | —           |

| H  | K   | F | COURSES  | WINDS   | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                        | Mon. day of May 3 <sup>d</sup> 1909 | H  | K  | F | COURSES    | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                   | Wed. day of May 5 <sup>th</sup> 1909. |
|----|-----|---|----------|---------|--------|--------------------------|-----------|--------------------------------|-------------------------------------|----|----|---|------------|-------|--------|--------------------------|-----------|-------------------------------------------|---------------------------------------|
| 1  |     |   |          |         |        |                          |           | More ship 4 p.m. cast the lead |                                     | 1  |    |   |            |       |        |                          |           | First part wind N. E. fine weather        |                                       |
| 2  |     |   |          |         |        |                          |           | got soundings 36 fathoms gray  |                                     | 2  |    |   |            |       |        |                          |           | but frosty thick ship 5 p.m.              |                                       |
| 3  |     |   |          |         |        |                          |           | sand with black spots          |                                     | 3  |    |   |            |       |        |                          |           | cast the lead got soundings 33 fathoms    |                                       |
| 4  | 8.  |   | S. S. W. | N. x N. | 1      | 29.50.                   |           | more ship 7 p.m. steering N.   |                                     | 4  |    |   |            |       |        |                          |           | gray sand with black spots running        |                                       |
| 5  |     |   |          |         |        |                          |           | gale furler upper top sails    |                                     | 5  |    |   |            |       |        |                          |           | along the edge of ice looking             |                                       |
| 6  |     |   |          |         |        |                          |           | nasty short sea, ship labors   |                                     | 6  | 27 |   | N. E. x E. | N. W. |        |                          |           | for open water nothing but                |                                       |
| 7  |     |   |          |         |        |                          |           | heavy more ship 5 a.m. 12 m    |                                     | 7  |    |   |            |       |        |                          |           | great mass at ice visible 6 p.m.          |                                       |
| 8  | 16  |   | N. W. W. |         | 1      |                          |           | cast the lead got soundings    |                                     | 8  |    |   |            |       |        |                          |           | opack to the Steamer Trishakti.           |                                       |
| 9  |     |   |          |         |        |                          |           | 43 fathoms gray sand black     |                                     | 9  |    |   |            |       |        |                          |           | all well on board also waiting            |                                       |
| 10 |     |   |          |         |        |                          |           | spots. set Main upper top      |                                     | 10 | 11 |   | S. S. W.   |       |        |                          |           | for ice to open up. Star. of Island       |                                       |
| 11 |     |   |          |         |        |                          |           | and Main Hagsail standing      |                                     | 11 |    |   |            |       |        |                          |           | and St. Daniel in sight under             |                                       |
| 12 | 14  |   | S. x W.  |         | 1      |                          |           | off and on waiting for ice     |                                     | 12 |    |   |            |       |        |                          |           | small sails standing off and on           |                                       |
| 1  |     |   |          |         |        |                          |           | to open up.                    |                                     | 1  |    |   |            |       |        |                          |           | 10 p.m. thick ship wind hauled            |                                       |
| 2  |     |   |          |         |        |                          |           |                                |                                     | 2  |    |   |            |       |        |                          |           | to S. W. 7 <sup>20</sup> a.m. thick ship. |                                       |
| 3  |     |   |          |         |        |                          |           | Pumps Lights and Look out      |                                     | 3  |    |   |            |       |        |                          |           | set 06. at noon 49. 29.                   |                                       |
| 4  | 5   |   | S. x W.  |         | 1      |                          |           | attended to.                   |                                     | 4  | 27 |   | N. x W.    | S. W. |        |                          |           |                                           |                                       |
| 5  |     |   |          |         |        |                          |           | 23 days out.                   |                                     | 5  |    |   |            |       |        |                          |           |                                           |                                       |
| 6  |     |   |          |         |        |                          |           |                                |                                     | 6  |    |   |            |       |        |                          |           | Pumps Lights and Look out                 |                                       |
| 7  |     |   |          |         |        |                          |           |                                |                                     | 7  |    |   |            |       |        |                          |           | attended to.                              |                                       |
| 8  |     |   |          |         |        |                          |           |                                |                                     | 8  |    |   |            |       |        |                          |           |                                           |                                       |
| 9  |     |   |          |         |        |                          |           |                                |                                     | 9  |    |   |            |       |        |                          |           |                                           |                                       |
| 10 |     |   |          |         |        |                          |           |                                |                                     | 10 |    |   |            |       |        |                          |           |                                           |                                       |
| 11 |     |   |          |         |        |                          |           |                                |                                     | 11 |    |   |            |       |        |                          |           |                                           |                                       |
| 12 | 18. |   | N. W. W. |         | 1      | 29.80.                   |           |                                |                                     | 12 | 15 |   | S. S. E.   | S. W. |        |                          |           |                                           |                                       |

| Course   | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. | Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|----------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|--------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| S. 48 W. | 10.      |               |           | 56. 38 N.    | —           | 19 E.     |               | 161. 27 W.   | —           | N 60.  | 2.       | 1 N.          | 1         | 56. 36.      | 56. 34.     | 19 E.     |               | 161. 25.     | 161. 23 W.  |

## Journal from San Francisco

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| H  | K  | F | COURSES     | WINDS  | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                               | Lat. day of | H | K | F | COURSES       | WINDS      | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                | Lat. day of  |
|----|----|---|-------------|--------|--------|--------------------------|-----------|---------------------------------------|-------------|---|---|---|---------------|------------|--------|--------------------------|-----------|----------------------------------------|--------------|
|    |    |   |             |        |        |                          |           | Jun. day of May 6 <sup>th</sup> 1909  |             |   |   |   |               |            |        |                          |           | Pat. day of May 8 <sup>th</sup> 1909.  |              |
| 1  |    |   |             |        |        |                          |           | Fine weather light S.W. wind          |             |   |   |   |               |            |        |                          |           | Light S.E. breeze sky cloudy           |              |
| 2  |    |   |             |        |        |                          |           | in the middle water calm              |             |   |   |   |               |            |        |                          |           | 4 p.m. tacked ship standing to South   |              |
| 3  | 11 |   | S.E. x S.   | S. 4r. |        |                          |           | 4 a.m. wind West. under some          |             |   |   |   | N.E. x W      | S. E.      |        |                          |           | 6 p.m. snow falling continue at        |              |
| 4  |    |   |             |        |        |                          |           | sails 12 mid night sailed close       |             |   |   |   | X X E         |            |        |                          |           | all night snowing more ship            |              |
| 5  |    |   |             |        |        |                          |           | to the ice but half mile off          |             |   |   |   |               |            |        |                          |           | 9 p.m. more ship 10 <sup>th</sup> p.m. |              |
| 6  |    |   |             |        |        |                          |           | in the fore noon sighted 4 ship       |             |   |   |   |               |            |        |                          |           | tacked ship 6 a.m. to South-           |              |
| 7  |    |   |             |        |        |                          |           | and 2 steamers all standing up        |             |   |   |   |               |            |        |                          |           | ward and 8 a.m. standing               |              |
| 8  | 4  |   | N. 4r x 4r. | "      |        |                          |           | and an under small sails              |             |   |   |   |               |            |        |                          |           | To Westward wind huffling              |              |
| 9  |    |   |             |        |        |                          |           | looking for John Chenal no            |             |   |   |   | S.E. x S. 4r. |            |        |                          |           | weather hot 4 10 a.m. weather          |              |
| 10 |    |   |             |        |        |                          |           | clear water visible but all at        |             |   |   |   | S. E.         |            |        |                          |           | clear 7 ships in sight and the         |              |
| 11 |    |   |             |        |        |                          |           | st of ice weather frosty at           |             |   |   |   | N. E.         |            |        |                          |           | Steamer K. Wickham, steaming           |              |
| 12 | 10 |   | N. 4r x 4r  | "      |        |                          |           | inter sails snowing 3 <sup>rd</sup> m |             |   |   |   | S. 4r x 4r    | S. E.      |        |                          |           | To Eastward.                           |              |
| 1  |    |   |             |        |        |                          |           | thrust a.k.                           |             |   |   |   |               |            |        |                          |           | Pumps Lights and Look out              |              |
| 2  |    |   |             |        |        |                          |           |                                       |             |   |   |   |               |            |        |                          |           | attended to                            |              |
| 3  |    |   |             |        |        |                          |           | Pumps Lights and Look out             |             |   |   |   |               |            |        |                          |           |                                        |              |
| 4  | 8  |   | S. E. x S.  | "      |        |                          |           | attended to.                          |             |   |   |   |               |            |        |                          |           |                                        |              |
| 5  |    |   |             |        |        |                          |           | 26 days out.                          |             |   |   |   |               |            |        |                          |           |                                        |              |
| 6  |    |   |             |        |        |                          |           |                                       |             |   |   |   | 4             | 4r x S.    | South  |                          |           |                                        | 28 days out. |
| 7  |    |   |             |        |        |                          |           |                                       |             |   |   |   |               |            |        |                          |           |                                        |              |
| 8  | 8  |   | South       | 4r.    |        |                          |           |                                       |             |   |   |   | 4             | S. E. x S. |        |                          |           |                                        |              |
| 9  |    |   |             |        |        |                          |           |                                       |             |   |   |   |               |            |        |                          |           |                                        |              |
| 10 |    |   |             |        |        |                          |           |                                       |             |   |   |   |               |            |        |                          |           |                                        |              |
| 11 |    |   |             |        |        |                          |           |                                       |             |   |   |   |               |            |        |                          |           |                                        |              |
| 12 | 8  |   | N. 4r x 4r  | 4r.    |        |                          | 30.30.    |                                       |             |   |   |   | 7             | 4r x S.    | "      |                          |           |                                        |              |

| Course   | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|----------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| N. 79 E. | 146      |               |           |               | 56° 36' N   | 19 E.     |               | 160° 56' W    |             | 81 E.  | 6        |               |           |               | 56° 37' N   | 19 E.     | 2 1/2         | 160° 50' W    | 160° 50' W  |

| H  | K  | F | COURSES      | WINDS    | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                     | Lat. day of | H  | K  | F | COURSES  | WINDS      | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                         | Lat. day of |
|----|----|---|--------------|----------|--------|--------------------------|-----------|---------------------------------------------|-------------|----|----|---|----------|------------|--------|--------------------------|-----------|---------------------------------|-------------|
|    |    |   |              |          |        |                          |           | Jun. day of May 9 <sup>th</sup> 1909.       |             |    |    |   |          |            |        |                          |           |                                 |             |
| 1  |    |   |              |          |        |                          |           | Fine weather throughout first               |             | 1  |    |   |          |            |        |                          |           | This 24 hours wind very light   |             |
| 2  |    |   |              |          |        |                          |           | round S.W. middle part calm lat.            |             | 2  |    |   |          |            |        |                          |           | and huffling during the night   |             |
| 3  |    |   |              |          |        |                          |           | part light S.E. breeze 6 p.m. on sea        |             | 3  | 5  |   | 4r       | S. S. 4r.  |        |                          |           | calm faint snow falling         |             |
| 4  | 14 |   | N. 4r.       | S. 4r.   |        |                          | 30.40.    | along the ice spoke to ship Ber             |             | 4  |    |   |          |            |        |                          |           | inter sails 6 p.m. spoke to the |             |
| 5  |    |   |              |          |        |                          |           | 4 ship in sight 7 <sup>th</sup> tacked ship |             | 5  |    |   |          |            |        |                          |           | Star at 40 by 8 ships in sight  |             |
| 6  |    |   |              |          |        |                          |           | standing off no open water visi.            |             | 6  |    |   |          |            |        |                          |           | 8 a.m. meet all sails.          |             |
| 7  |    |   |              |          |        |                          |           | 11 a.m. sailed through some break           |             | 7  |    |   |          |            |        |                          |           | Pumps Lights and Look out       |             |
| 8  | 12 |   | S. E. x S.   | "        |        |                          |           | ice mass all sails got in clear             |             | 8  | 13 |   | S. E.    | N. E.      |        |                          |           | attended to                     |             |
| 9  |    |   |              |          |        |                          |           | water.                                      |             | 9  |    |   |          |            |        |                          |           |                                 |             |
| 10 | 8  |   | S. 4r.       | 4r x 4r. |        |                          |           | Pumps Lights and Look out                   |             | 10 |    |   |          |            |        |                          |           |                                 |             |
| 11 |    |   |              |          |        |                          |           | attended to.                                |             | 11 |    |   |          |            |        |                          |           |                                 |             |
| 12 | 10 |   | S. 4r 3/4 S. | "        |        |                          |           | 27 days out                                 |             | 12 | 2  |   | N. E.    | S. E.      |        |                          |           |                                 |             |
| 1  |    |   |              |          |        |                          |           |                                             |             | 1  |    |   |          |            |        |                          |           |                                 |             |
| 2  |    |   |              |          |        |                          |           |                                             |             | 2  |    |   |          |            |        |                          |           |                                 |             |
| 3  |    |   |              |          |        |                          |           |                                             |             | 3  |    |   |          |            |        |                          |           |                                 |             |
| 4  |    |   |              |          |        |                          |           |                                             |             | 4  | 6  |   | 4r S. 4r | N. 4r x 4r |        |                          |           |                                 |             |
| 5  |    |   |              |          |        |                          |           |                                             |             | 5  |    |   |          |            |        |                          |           |                                 |             |
| 6  |    |   |              |          |        |                          |           |                                             |             | 6  |    |   |          |            |        |                          |           |                                 |             |
| 7  |    |   |              |          |        |                          |           |                                             |             | 7  |    |   |          |            |        |                          |           |                                 |             |
| 8  |    |   |              |          |        |                          |           |                                             |             | 8  | 8  |   | "        | "          |        |                          |           |                                 |             |
| 9  |    |   |              |          |        |                          |           |                                             |             | 9  |    |   |          |            |        |                          |           |                                 |             |
| 10 |    |   |              |          |        |                          |           |                                             |             | 10 |    |   |          |            |        |                          |           |                                 |             |
| 11 |    |   |              |          |        |                          |           |                                             |             | 11 |    |   |          |            |        |                          |           |                                 |             |
| 12 | 18 |   | N. E.        | S. E.    |        |                          | 30.40.    |                                             |             | 12 | 9  |   | N. 4r E. | E.         |        |                          |           |                                 |             |

| Course   | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|----------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| N. 71 E. | 6        | 2 1/2         | 5 E.      | 56.38         | 56.38 N     | 19 E.     | 9 E.          | 160.47        | 160.29      | 26 W   | 5        | 4 1/2         | 3 1/2     | 56.34         | 56.33 N     | 19 E      | 4 1/2         | 160.52        | 160.51 W    |

Journal from San Francisco

towards Nushagak Bristol Bay,

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| H  | K  | F | COURSES        | WINDS   | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | Mon. day of May 10 <sup>th</sup> 1909 | K  | F  | COURSES         | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | Tue. day of May 12 <sup>th</sup> 1909. |
|----|----|---|----------------|---------|--------|--------------------------|-----------|---------|---------------------------------------|----|----|-----------------|-------|--------|--------------------------|-----------|---------|----------------------------------------|
| 1  |    |   |                |         |        |                          |           |         |                                       | 1  | 3  | S. S. W.        |       |        |                          |           |         | Fine weather throughout this           |
| 2  |    |   |                |         |        |                          |           |         |                                       | 2  |    |                 |       |        |                          |           |         | 24 hours light breeze made all         |
| 3  |    |   |                |         |        |                          |           |         |                                       | 3  |    |                 |       |        |                          |           |         | sails standing off and on no           |
| 4  | 9  |   | N. N. W. N. E. |         |        |                          |           |         |                                       | 4  | 11 | N. N. W. 1/2 W. |       |        |                          |           |         | clear water visible & vessel in        |
| 5  |    |   |                |         |        |                          |           |         |                                       | 5  |    |                 |       |        |                          |           |         | sight and Steam Tug with a tr.         |
| 6  |    |   |                |         |        |                          |           |         |                                       | 6  | 7  | N. N. W. 1/2 W. |       |        |                          |           |         | 1/2 noon cast lead got                 |
| 7  |    |   |                |         |        |                          |           |         |                                       | 7  |    |                 |       |        |                          |           |         | soundings 33 fathoms                   |
| 8  | 20 |   | E. x S.        |         |        |                          |           |         |                                       | 8  | 4  | S. 1/2 E.       |       |        |                          |           |         | variable wind.                         |
| 9  |    |   |                |         |        |                          |           |         |                                       | 9  |    |                 |       |        |                          |           |         |                                        |
| 10 |    |   |                |         |        |                          |           |         |                                       | 10 |    |                 |       |        |                          |           |         | Pumps Lights and Look out              |
| 11 |    |   |                |         |        |                          |           |         |                                       | 11 |    |                 |       |        |                          |           |         | attended to. 7 inches water in         |
| 12 | 9  |   | N. N. W.       | N. E.   |        |                          |           |         |                                       | 12 | 6  | S. x E.         |       |        |                          |           |         | the Pump well                          |
| 1  |    |   |                |         |        |                          |           |         |                                       | 1  |    |                 |       |        |                          |           |         |                                        |
| 2  |    |   |                |         |        |                          |           |         |                                       | 2  |    |                 |       |        |                          |           |         | 32 days out.                           |
| 3  |    |   |                |         |        |                          |           |         |                                       | 3  |    |                 |       |        |                          |           |         |                                        |
| 4  | 2  |   | N. N. W.       | N.      |        |                          |           |         |                                       | 4  | 8  | N. S. W.        |       |        |                          |           |         |                                        |
| 5  |    |   |                |         |        |                          |           |         |                                       | 5  |    |                 |       |        |                          |           |         |                                        |
| 6  |    |   |                |         |        |                          |           |         |                                       | 6  | 2  | " "             |       |        |                          |           |         |                                        |
| 7  |    |   | E. x S.        | N.      |        |                          |           |         |                                       | 7  |    |                 |       |        |                          |           |         |                                        |
| 8  |    |   |                |         |        |                          |           |         |                                       | 8  | 13 | E. x N.         |       |        |                          |           |         |                                        |
| 9  |    |   |                |         |        |                          |           |         |                                       | 9  |    |                 |       |        |                          |           |         |                                        |
| 10 | 7  |   | N. N. W.       |         |        |                          |           |         |                                       | 10 | 18 | E. x E.         | South |        |                          |           |         |                                        |
| 11 |    |   |                |         |        |                          |           |         |                                       | 11 |    |                 |       |        |                          |           |         |                                        |
| 12 | 10 |   | N.             | E. x N. |        |                          |           |         |                                       | 12 | 3  | S. 1/2 W.       |       |        |                          |           |         |                                        |

| Course   | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|----------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| S. 67 E. | 18.      | 4 S.          | 11        | 56.28. N      | —           | 19. E.    | 13 E.         | 160.30 W      | —           | 90 E.  | 15       |               |           |               | 56.36 N     | 19 E.     |               |               | 160.27 W.   |

| H  | K  | F | COURSES   | WINDS    | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | Tues. day of May 11 <sup>th</sup> 1909 | H  | K  | F           | COURSES  | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | Thurs. day of May 13 <sup>th</sup> 1909.      |
|----|----|---|-----------|----------|--------|--------------------------|-----------|---------|----------------------------------------|----|----|-------------|----------|-------|--------|--------------------------|-----------|---------|-----------------------------------------------|
| 1  |    |   |           |          |        |                          |           |         |                                        | 1  |    |             |          |       |        |                          |           |         | Fine weather throughout this                  |
| 2  |    |   |           |          |        |                          |           |         |                                        | 2  |    |             |          |       |        |                          |           |         | 24 hours weather frosty wind                  |
| 3  | 4  |   | N. N. E.  | N. N. W. |        |                          |           |         |                                        | 3  |    |             |          |       |        |                          |           |         | blowing from North to West. no                |
| 4  |    |   |           |          |        |                          |           |         |                                        | 4  | 15 | S. 1/2 x S. | S. E.    |       |        |                          |           |         | short leads standing close to ice             |
| 5  |    |   |           |          |        |                          |           |         |                                        | 5  |    |             |          |       |        |                          |           |         | 1 a. m. sailed through drift ice              |
| 6  |    |   |           |          |        |                          |           |         |                                        | 6  |    |             |          |       |        |                          |           |         | continued sailing through the                 |
| 7  |    |   |           |          |        |                          |           |         |                                        | 7  |    |             |          |       |        |                          |           |         | ice till 6 a. m. got in clear mo.             |
| 8  | 8  |   | N. E.     | N. N. W. |        |                          |           |         |                                        | 8  | 15 | E. x S.     | S. S. E. |       |        |                          |           |         | and called lead ahead Steamer                 |
| 9  |    |   |           |          |        |                          |           |         |                                        | 9  |    |             |          |       |        |                          |           |         | Travichok about 7 <sup>30</sup> a. m. and     |
| 10 |    |   |           |          |        |                          |           |         |                                        | 10 |    |             |          |       |        |                          |           |         | informed the Captain that the                 |
| 11 |    |   |           |          |        |                          |           |         |                                        | 11 |    |             |          |       |        |                          |           |         | when noting doing took at                     |
| 12 | 7  |   | N. N. W.  | N.       |        |                          |           |         |                                        | 12 | 17 | S. 1/2 x W. | " "      |       |        |                          |           |         | 7 <sup>45</sup> a. m. standing to S. W. clear |
| 1  | 1  |   | E. x E.   |          |        |                          |           |         |                                        | 1  |    |             |          |       |        |                          |           |         | water ahead.                                  |
| 2  | 4  |   | S. 1/2 W. |          |        |                          |           |         |                                        | 2  |    |             |          |       |        |                          |           |         |                                               |
| 3  |    |   |           |          |        |                          |           |         |                                        | 3  |    |             |          |       |        |                          |           |         | Pumps Lights and Look out                     |
| 4  | 6  |   | E. x E.   |          |        |                          |           |         |                                        | 4  | 11 | N. S. W.    | South    |       |        |                          |           |         | attended to.                                  |
| 5  |    |   |           |          |        |                          |           |         |                                        | 5  |    |             |          |       |        |                          |           |         | 33 days out.                                  |
| 6  |    |   |           |          |        |                          |           |         |                                        | 6  |    |             |          |       |        |                          |           |         |                                               |
| 7  | 8  |   | E. x S.   |          |        |                          |           |         |                                        | 7  |    |             |          |       |        |                          |           |         |                                               |
| 8  |    |   |           |          |        |                          |           |         |                                        | 8  | 8  | E. x E.     | " "      |       |        |                          |           |         |                                               |
| 9  |    |   |           |          |        |                          |           |         |                                        | 9  |    |             |          |       |        |                          |           |         |                                               |
| 10 |    |   |           |          |        |                          |           |         |                                        | 10 |    |             |          |       |        |                          |           |         |                                               |
| 11 |    |   |           |          |        |                          |           |         |                                        | 11 |    |             |          |       |        |                          |           |         |                                               |
| 12 | 16 |   | S. 1/2 W. | N. N. W. |        |                          |           |         |                                        | 12 | 19 | E. x E.     | S. E.    |       |        |                          |           |         |                                               |

| Course   | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course   | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|----------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|----------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| N. 60 W. | 16       |               |           | 56.36 N       | 19.         |           |               | 160.25 W      |             | S. 79 W. | 8.       | 2. S.         |           |               | 56.34 N     | 19 E.     |               |               | 160.24 W.   |

## Journal from San Francisco

towards Kushagok Bristol Bay

## Journal from San Francisco

towards Kushagok Bristol Bay.

| H  | K  | F | COURSES    | WINDS    | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                     | Thermometer<br>Air Water | Barometer  | REMARKS                                    |
|----|----|---|------------|----------|--------|--------------------------|-----------|---------------------------------------------|--------------------------|------------|--------------------------------------------|
|    |    |   |            |          |        |                          |           | Mon. day of May 14 <sup>th</sup> 1909.      |                          |            | Sun. day of May 16 <sup>th</sup> 1909.     |
| 1  |    |   |            |          |        |                          |           | First part light S. S. E. breeze            |                          |            | Further equally wind S. S. E.              |
| 2  |    |   |            |          |        |                          |           | wind variable latter part, etc.             |                          |            | 10 p.m. strong gale fanned fore            |
| 3  |    |   |            |          |        |                          |           | N. E. 7 <sup>th</sup> fanned upper top sail |                          |            | and Main Gullard sail                      |
| 4  | 7  |   | E. x N.    | S. S. E. |        |                          |           | and more ship standing to N.                | 22                       | N. E.      | E. S. E. 1                                 |
| 5  |    |   |            |          |        |                          |           | Land in sight. Dist 25 miles off.           |                          |            | 12 midnight wind hauled to                 |
| 6  |    |   |            |          |        |                          |           | 12 noon hard East gale more                 |                          |            | N. E. and full light sky cloudy            |
| 7  |    |   |            |          |        |                          |           | ship standing towards shore                 |                          |            | clear water no ice visible                 |
| 8  | 9  |   | S. W. x N. |          |        |                          |           | no clear water visible but all set          | 24                       | N. E. x N. | "                                          |
| 9  |    |   |            |          |        |                          |           | Pumps Lights and Look out                   |                          |            | came to anchor the same day                |
| 10 |    |   |            |          |        |                          |           | attended to 8 inches water in               |                          |            | 3 <sup>rd</sup> p.m. in 9 fathoms water    |
| 11 |    |   |            |          |        |                          |           | the Pump mill.                              |                          |            | at low tide 40 fathoms Gable               |
| 12 | 14 |   | S. W. x N. |          |        |                          |           | 34 days out.                                | 24                       | N. E. x N. | aut. fine weather getting sea-swept        |
| 1  |    |   |            |          |        |                          |           |                                             |                          |            | Nichols Hills bore magnetic N. x E. 3/4 S. |
| 2  |    |   |            |          |        |                          |           |                                             |                          |            | This ends the passage 36 days              |
| 3  |    |   |            |          |        |                          |           |                                             |                          |            | being delayed by ice 15 days.              |
| 4  | 7  |   | S. W.      |          |        |                          |           |                                             |                          |            | all well on board                          |
| 5  | 3  |   | N. E.      |          |        |                          |           |                                             |                          |            | Pumps Lights and Look out                  |
| 6  |    |   |            |          |        |                          |           |                                             |                          |            | attended to.                               |
| 7  |    |   |            |          |        |                          |           |                                             |                          |            |                                            |
| 8  | 10 |   | S. E.      |          |        |                          |           |                                             |                          |            |                                            |
| 9  |    |   |            |          |        |                          |           |                                             |                          |            |                                            |
| 10 | 15 |   | S. E. x S. |          |        |                          |           |                                             |                          |            |                                            |
| 11 |    |   |            |          |        |                          |           |                                             |                          |            |                                            |
| 12 | 19 |   | N. x E.    |          |        |                          |           |                                             |                          |            |                                            |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
|        |          |               |           | 56° 30' N.    | 56° 28' N.  | 19 E.     | 17 E.         | 160. 24 1/2   |             |        |          |               |           |               | 58° 27' N.  | 19.       |               |               | 158. 18 1/2 |

| H  | K  | F | COURSES        | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                | H  | K | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                                                      |
|----|----|---|----------------|-------|--------|--------------------------|-----------|----------------------------------------|----|---|---|---------|-------|--------|--------------------------|-----------|------------------------------------------------------------------------------|
|    |    |   |                |       |        |                          |           | Tue. day of May 15 <sup>th</sup> 1909. |    |   |   |         |       |        |                          |           | Wed. day of May 17 <sup>th</sup> 1909.                                       |
| 1  |    |   |                |       |        |                          |           | This 24 hours hard East g.             | 1  |   |   |         |       |        |                          |           | men. May 17 <sup>th</sup> Laying to anchor 5 a.m. boat left ship with        |
| 2  | 4  |   | N. x E.        | E.    | 1      |                          |           | with hard squalls shortens             | 2  |   |   |         |       |        |                          |           | 11 men for N. E. Thompson waiting for tow to Kammerie                        |
| 3  |    |   |                |       |        |                          |           | and making sails continue              | 3  |   |   |         |       |        |                          |           | send Rayl yards on deck. fine weather 9 p.m. floor of ice                    |
| 4  | 9  |   | S. x E.        | "     | "      |                          |           | keeping ship to South shore            | 4  |   |   |         |       |        |                          |           | came up the River hose up anchor got under way sailed up the Bay             |
| 5  |    |   |                |       |        |                          |           | 5 p.m. out east lead got soundin       | 5  |   |   |         |       |        |                          |           | came to anchor in 13 fathoms got her 45 fathoms of Gable Druggie then at     |
| 6  |    |   |                |       |        |                          |           | 28 fathoms grey sand 8 p.m.            | 6  |   |   |         |       |        |                          |           | ice land also got under way wind S. W. moderate breeze.                      |
| 7  | 10 |   | S. x E.        | "     | 1      |                          |           | cost lead got soundings 27 p.          | 7  |   |   |         |       |        |                          |           |                                                                              |
| 8  | 3  |   | N. x E.        | "     | 1      |                          |           | grey sand with black spots             | 8  |   |   |         |       |        |                          |           |                                                                              |
| 9  |    |   |                |       |        |                          |           | 12 midnight east the lead ga           | 9  |   |   |         |       |        |                          |           | Tues. May 18 <sup>th</sup> 1909.                                             |
| 10 |    |   |                |       |        |                          |           | 38 fathoms grey sand. 12 p.m.          | 10 |   |   |         |       |        |                          |           | Laying to anchor waiting for Steamer to tow to Kammerie out band             |
| 11 |    |   |                |       |        |                          |           | another equally wind East              | 11 |   |   |         |       |        |                          |           | the Main sail Main top mast Stayable Gullard Stay sail and Middle Stay       |
| 12 | 9  |   | N. E. x N.     | "     | 1      |                          |           | clear water. In the South a            | 12 |   |   |         |       |        |                          |           | sail. fine weather wind West light breeze.                                   |
| 1  |    |   |                |       |        |                          |           | carrying main Gullard sail             | 1  |   |   |         |       |        |                          |           |                                                                              |
| 2  |    |   |                |       |        |                          |           | Pumps Lights and Look out              | 2  |   |   |         |       |        |                          |           | Wed. May 19 <sup>th</sup> 1909.                                              |
| 3  |    |   |                |       |        |                          |           | attended to                            | 3  |   |   |         |       |        |                          |           | Fine weather fresh East wind clear sky latter part wind increasing in        |
| 4  | 20 |   | N. x E. 1/2 E. | "     | "      |                          |           | 35 days out.                           | 4  |   |   |         |       |        |                          |           | force to strong gale with heavy sea, waiting for Steamer to tow ship         |
| 5  |    |   |                |       |        |                          |           |                                        | 5  |   |   |         |       |        |                          |           | To the Cannock.                                                              |
| 6  | 4  |   | N. x E.        |       |        |                          |           |                                        | 6  |   |   |         |       |        |                          |           |                                                                              |
| 7  |    |   |                |       |        |                          |           |                                        | 7  |   |   |         |       |        |                          |           | Thurs. May 20 <sup>th</sup> 1909.                                            |
| 8  | 11 |   | S. W.          |       |        |                          |           |                                        | 8  |   |   |         |       |        |                          |           | Hard N. E. Gale heavy sea cloudy sky 7 <sup>th</sup> a.m. got her more Gable |
| 9  |    |   |                |       |        |                          |           |                                        | 9  |   |   |         |       |        |                          |           | 60 fathoms shot under water 12 noon weather moderating some                  |
| 10 |    |   |                |       |        |                          |           |                                        | 10 |   |   |         |       |        |                          |           | 11 a.m. Steamer Kushagok put up the River Barometer 29.70. at noon.          |
| 11 |    |   |                |       |        |                          |           |                                        | 11 |   |   |         |       |        |                          |           |                                                                              |
| 12 | 24 |   | N. x E.        | East  |        |                          |           |                                        | 12 |   |   |         |       |        |                          |           |                                                                              |

| Course | Distance | Diff. of Lat. | Depart | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|--------|----------|---------------|--------|---------------|-------------|-----------|---------------|---------------|-------------|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
|--------|----------|---------------|--------|---------------|-------------|-----------|---------------|---------------|-------------|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|

N. x E. 29.

56° 50' 19 E.

160. 10

## Journal from Harbor Log. towards

| H K F | COURSES | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                                                          | day of |
|-------|---------|-------|--------|-------------|-------|-----------|------------------------------------------------------------------|--------|
|       |         |       |        | Air         | Water |           |                                                                  |        |
| 1     |         |       |        |             |       |           | Tue. May 21 <sup>st</sup> 1909.                                  |        |
| 2     |         |       |        |             |       |           | First part fine weather N. E. wind lost all sails for            |        |
| 3     |         |       |        |             |       |           | driving and hoove in 15 fathoms Chain 10 <sup>30</sup> a.m.      |        |
| 4     |         |       |        |             |       |           | Steamer Nushagak came long side left orders to be ready          |        |
| 5     |         |       |        |             |       |           | to tow up the River soon commenced to blow very hard             |        |
| 6     |         |       |        |             |       |           | from the East. increasing in force in the afternoon              |        |
| 7     |         |       |        |             |       |           | with hay sea paid out 70 fathoms Gable.                          |        |
| 8     |         |       |        |             |       |           |                                                                  |        |
| 9     |         |       |        |             |       |           | Sat. May 22 <sup>nd</sup> 1909.                                  |        |
| 10    |         |       |        |             |       |           | Herd 11 men with dockiffie oquello also working                  |        |
| 11    |         |       |        |             |       |           | over the vessel heaving to 75 fathoms Chain 2 a.m.               |        |
| 12    |         |       |        |             |       |           | weather moderating same and sea going to sea                     |        |
| 1     |         |       |        |             |       |           | 2 <sup>40</sup> Steamer Nushagak came long side and part the     |        |
| 2     |         |       |        |             |       |           | Harbor and board home up anchor and towed over                   |        |
| 3     |         |       |        |             |       |           | the bar up the River to N. C. Cannock arrived                    |        |
| 4     |         |       |        |             |       |           | 5 <sup>15</sup> a.m. came to anchor off N. C. Cannock 45 fathoms |        |
| 5     |         |       |        |             |       |           | Chain out dirty weather raining and blowing                      |        |
| 6     |         |       |        |             |       |           | put cargo gear up and send Fishermen and Chain                   |        |
| 7     |         |       |        |             |       |           | on shore 17 men are board to discharge cargo 1 man               |        |
| 8     |         |       |        |             |       |           | going anchor watch Oscar Anderson                                |        |
| 9     |         |       |        |             |       |           | anchor watch attended to. 8 inches water in                      |        |
| 10    |         |       |        |             |       |           | the Pump well Barometer noon 29.65.                              |        |
| 11    |         |       |        |             |       |           |                                                                  |        |
| 12    |         |       |        |             |       |           |                                                                  |        |

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob.

| H K F | COURSES | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                     | day of |
|-------|---------|-------|--------|-------------|-------|-----------|-----------------------------------------------------------------------------|--------|
|       |         |       |        | Air         | Water |           |                                                                             |        |
| 1     |         |       |        |             |       |           | Sun. May 23 <sup>rd</sup> 1909.                                             |        |
| 2     |         |       |        |             |       |           | Weather windy 6 a.m. discharged Hogs and Hogs feed got discha               |        |
| 3     |         |       |        |             |       |           | 7 <sup>15</sup> a.m. Lighter left the vessel going Sunday Barometer noon 30 |        |
| 4     |         |       |        |             |       |           | wind East.                                                                  |        |
| 5     |         |       |        |             |       |           |                                                                             |        |
| 6     |         |       |        |             |       |           | Mon. May 24 <sup>th</sup> 1909.                                             |        |
| 7     |         |       |        |             |       |           | 5 a.m. got Lighter long side carried to discharge cargo. Lighter left ship  |        |
| 8     |         |       |        |             |       |           | 9 <sup>20</sup> a.m. with shocks and Barrels lost all sails to dry and tow  |        |
| 9     |         |       |        |             |       |           | Gallant to 10 <sup>20</sup> a.m. Steamer Nushagak came long side shifted    |        |
| 10    |         |       |        |             |       |           | ship and moved with 2 anchor 45 fathoms Gable an ech                        |        |
| 11    |         |       |        |             |       |           | anchor out and hose pipe weather stormy wind East. anchor                   |        |
| 12    |         |       |        |             |       |           | watch attended to. 8 inches water in the Pump well got fresh water          |        |
| 1     |         |       |        |             |       |           | from Steamer Nushagak. for engine.                                          |        |
| 2     |         |       |        |             |       |           |                                                                             |        |
| 3     |         |       |        |             |       |           | Tues. May 25 <sup>th</sup> 1909.                                            |        |
| 4     |         |       |        |             |       |           | commenced to discharge cargo 4 a.m. Lighter loaded 10 a.m. wind N.          |        |
| 5     |         |       |        |             |       |           | made in breeze anchor Lighter attended to                                   |        |
| 6     |         |       |        |             |       |           |                                                                             |        |
| 7     |         |       |        |             |       |           | Wed May 26 <sup>th</sup> 1909.                                              |        |
| 8     |         |       |        |             |       |           | commenced to discharge cargo 3 a.m. Lighter left ship 10 a.m.               |        |
| 9     |         |       |        |             |       |           |                                                                             |        |
| 10    |         |       |        |             |       |           | Thurs. May 27 <sup>th</sup> 1909.                                           |        |
| 11    |         |       |        |             |       |           | commenced to discharge cargo 3 a.m. Lighter when shore 10.                  |        |
| 12    |         |       |        |             |       |           | anchor watch and anchor Lighter attended to.                                |        |

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob.

## Journal from Harbor Log. towards

| I K F | COURSES | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                   | day of |
|-------|---------|-------|--------|-------------|-------|-----------|---------------------------------------------------------------------------|--------|
|       |         |       |        | Air         | Water |           |                                                                           |        |
| 1     |         |       |        |             |       |           | Fri. May 28 <sup>th</sup> 1909.                                           |        |
| 2     |         |       |        |             |       |           | commenced to discharge cargo 3 a.m. got Lighter loaded 10 a.m.            |        |
| 3     |         |       |        |             |       |           |                                                                           |        |
| 4     |         |       |        |             |       |           | Sat. May 29 <sup>th</sup> 1909.                                           |        |
| 5     |         |       |        |             |       |           | commenced to discharge cargo 3 <sup>20</sup> a.m. got Lighter loaded      |        |
| 6     |         |       |        |             |       |           | 11 a.m. anchor. Frost attended to also Lighter.                           |        |
| 7     |         |       |        |             |       |           |                                                                           |        |
| 8     |         |       |        |             |       |           | Sun May 30 <sup>th</sup> 1909.                                            |        |
| 9     |         |       |        |             |       |           | commenced to discharge cargo 4 p.m. got all the cargo discharged          |        |
| 10    |         |       |        |             |       |           | Shocks Ten Pig held empty Barrels and coal left in the                    |        |
| 11    |         |       |        |             |       |           | ship. but all the empty Barrels in the Tween Deck.                        |        |
| 12    |         |       |        |             |       |           |                                                                           |        |
| 1     |         |       |        |             |       |           | Mon. May 31 <sup>st</sup> 1909.                                           |        |
| 2     |         |       |        |             |       |           | in the fore noon crew go fishing Sunday in the afternoon washed           |        |
| 3     |         |       |        |             |       |           | ship anchor watch attended to also anchor Lighter. 8 inches water in      |        |
| 4     |         |       |        |             |       |           | the Pump well fine weather wind N. E.                                     |        |
| 5     |         |       |        |             |       |           | June 1 <sup>st</sup> 1909.                                                |        |
| 6     |         |       |        |             |       |           | 11 a.m. remainder of the crew 16 men and cook went ashore Mate and second |        |
| 7     |         |       |        |             |       |           | mate by the ship                                                          |        |
| 8     |         |       |        |             |       |           | June 6 <sup>th</sup> Mate and second mate left ship. for N. C. Cannock.   |        |
| 9     |         |       |        |             |       |           |                                                                           |        |
| 10    |         |       |        |             |       |           |                                                                           |        |
| 11    |         |       |        |             |       |           |                                                                           |        |
| 12    |         |       |        |             |       |           |                                                                           |        |

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob.

| I K F | COURSES | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                            | day of |
|-------|---------|-------|--------|-------------|-------|-----------|------------------------------------------------------------------------------------|--------|
|       |         |       |        | Air         | Water |           |                                                                                    |        |
| 1     |         |       |        |             |       |           | Tuesday the 3 <sup>rd</sup> 1909.                                                  |        |
| 2     |         |       |        |             |       |           | 7 a.m. 17 men came and board 7 <sup>00</sup> a.m. discharged 2,400 Barrels Steamer |        |
| 3     |         |       |        |             |       |           | Primmer long side got the Barrel out 9 a.m. 2 p.m. Lighter at 4 long side          |        |
| 4     |         |       |        |             |       |           | commenced to discharge coal quit 6 p.m. fine weather wind S. E.                    |        |
| 5     |         |       |        |             |       |           | sky cloudy.                                                                        |        |
| 6     |         |       |        |             |       |           | Aug. 4 <sup>th</sup> 1909.                                                         |        |
| 7     |         |       |        |             |       |           | 5 a.m. commenced to discharge coal got Lighter loaded 6 <sup>45</sup> a.m. Lighter |        |
| 8     |         |       |        |             |       |           | left ship 7 a.m. with but 10 tons coal weather stormy rain sea with rain           |        |
| 9     |         |       |        |             |       |           | in the afternoon hard S. W. gale no Lighter to re-bale.                            |        |
| 10    |         |       |        |             |       |           | Aug. 5 <sup>th</sup> 1909.                                                         |        |
| 11    |         |       |        |             |       |           | Commenced to discharge coal 6 a.m. an Lighter at 7. got loaded 10 a.m.             |        |
| 12    |         |       |        |             |       |           | 111 Tons coal got Lighter at 9. long side got her loaded 4 p.m. 115 Tons           |        |
| 1     |         |       |        |             |       |           | in the fore noon fine weather in the afternoon heavy rain                          |        |
| 2     |         |       |        |             |       |           | got the Lighter <del>loaded</del> at 6 long side commenced to work on Lighter      |        |
| 3     |         |       |        |             |       |           | quit 6 p.m.                                                                        |        |
| 4     |         |       |        |             |       |           | August. 6 <sup>th</sup> 1909.                                                      |        |
| 5     |         |       |        |             |       |           | Lighter loaded 10 a.m. got all coal out from forward hold getting ready to         |        |
| 6     |         |       |        |             |       |           | receive Saloman Cohen shifted cargo over closing the hold                          |        |
| 7     |         |       |        |             |       |           | quit 5 <sup>40</sup> p.m. fine weather.                                            |        |
| 8     |         |       |        |             |       |           | August. 7 <sup>th</sup> 1909. 9 a.m. Lighter at 2. long side commenced to load     |        |
| 9     |         |       |        |             |       |           | Saloman cases received 4,838 cases from N. C. Cannock 10 a.m. board                |        |
| 10    |         |       |        |             |       |           | Reel. in the fore noon fine weather afternoon raining                              |        |
| 11    |         |       |        |             |       |           |                                                                                    |        |
| 12    |         |       |        |             |       |           |                                                                                    |        |

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob.

## Journal from Harbor Log

towards in Nushagak River.

## Journal from Nushagak.

towards San Francisco.

| H K F   |                                                                                      |  |       |        |             |  |           |         |  | I K F    |               |           |              |                                                                                    |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
|---------|--------------------------------------------------------------------------------------|--|-------|--------|-------------|--|-----------|---------|--|----------|---------------|-----------|--------------|------------------------------------------------------------------------------------|-----------|---------------|--------------|-------------|-----------|---------|--|--|--------|--|--|--|--|--|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| COURSES |                                                                                      |  | WINDS | LEEWAY | Thermometer |  | Barometer | REMARKS |  |          | day of        | COURSES   |              |                                                                                    | WINDS     | LEEWAY        | Thermometer  |             | Barometer | REMARKS |  |  | day of |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
|         |                                                                                      |  |       |        | Air Water   |  |           |         |  |          |               |           |              |                                                                                    |           |               | Air Water    |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 1       | Sun. August 8 <sup>th</sup> 1909.                                                    |  |       |        |             |  |           |         |  |          |               |           | 1            | Thurs August 19 <sup>th</sup> 1909.                                                |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 2       | discharged all the coal weather stormy with rain got the coal                        |  |       |        |             |  |           |         |  |          |               |           | 2            | Loading Salomon cases from N.C Cannery 2865 cases Ensign Labels.                   |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 3       | out 5 <sup>th</sup> p.m. quit 6 p.m.                                                 |  |       |        |             |  |           |         |  |          |               |           | 3            | 1275 Jethug 371 Ensign 158 no Label and some 17 Empty Drums                        |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 4       |                                                                                      |  |       |        |             |  |           |         |  |          |               |           | 4            | 78 Car bags. and some cannery Boxes.                                               |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 5       | Mon. Aug 9 <sup>th</sup> 1909.                                                       |  |       |        |             |  |           |         |  |          |               |           | 5            |                                                                                    |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 6       | Washed ship and clearing the hold for cargo. shifted cargo                           |  |       |        |             |  |           |         |  |          |               |           | 6            | Fri Aug. 20 <sup>th</sup> 1909.                                                    |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 7       | cear 5 p.m ship all ready to receive cargo. quit work 5 <sup>th</sup> p.m.           |  |       |        |             |  |           |         |  |          |               |           | 7            | Received 135 cases un labeled cases. getting some more drums.                      |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 8       |                                                                                      |  |       |        |             |  |           |         |  |          |               |           | 8            | got loaded 8 p.m. Draft of ship forward 21 feet 2 inches. aft                      |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 9       | Tues. Aug. 10 <sup>th</sup> men gabing Sunday strong S.W. wind.                      |  |       |        |             |  |           |         |  |          |               |           | 9            | 21 feet. 6 inches calked and cemented the Hatch and double Top barlin              |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 10      |                                                                                      |  |       |        |             |  |           |         |  |          |               |           | 10           | over them and batton tower got cargo cear tower and seprating coaling              |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 11      | Wed Aug. 11 <sup>th</sup> 1909.                                                      |  |       |        |             |  |           |         |  |          |               |           | 11           | best possible way Total summed Salomon cases in the ship 36,610.                   |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 12      | 6 a.m. discharged Salomon Bunkels 1 p.m. loading Salomon                             |  |       |        |             |  |           |         |  |          |               |           | 12           | 27,941 in the hold 8,669 in tower Deck.                                            |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 1       | cases received 38 cases Linn brand 321 cases Lily brand.                             |  |       |        |             |  |           |         |  |          |               |           | 1            |                                                                                    |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 2       | Lily brand in the after hold. 3 p.m. and Gallant and                                 |  |       |        |             |  |           |         |  |          |               |           | 2            | Sat. Aug. 21 <sup>st</sup> 1909.                                                   |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 3       | Royal Jards up. fine weather.                                                        |  |       |        |             |  |           |         |  |          |               |           | 3            |                                                                                    |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 4       |                                                                                      |  |       |        |             |  |           |         |  |          |               |           | 4            | 5 a.m left. Clearks anchorage in Tow Steamer Washagek 11 <sup>th</sup> a.m. let go |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 5       | Aug 12 <sup>th</sup> 1909.                                                           |  |       |        |             |  |           |         |  |          |               |           | 5            | howser Cap. Constantine box magnetic N.W. & W. dit 15 miles strong                 |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 6       | 7 <sup>th</sup> a.m. bend Reyle and Gessont sail main upper Topaail 1 p.m.           |  |       |        |             |  |           |         |  |          |               |           | 6            | J.E. gale hauled to South nasty sea. let. noon by bearing let. 58-15 W             |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 7       | loading cases received 3053 cases Salomon Labels Hunter in the                       |  |       |        |             |  |           |         |  |          |               |           | 7            | Long 158. 29' W.                                                                   |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 8       | after low held fine weather                                                          |  |       |        |             |  |           |         |  |          |               |           | 8            |                                                                                    |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 9       |                                                                                      |  |       |        |             |  |           |         |  |          |               |           | 9            | Sun. Aug 22 <sup>nd</sup> 1909.                                                    |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 10      | Fri. Aug 13 <sup>th</sup> 1909.                                                      |  |       |        |             |  |           |         |  |          |               |           | 10           | Wind South fresh breeze shy cloudy nasty head sea                                  |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 11      | Bend fore and aft sails 9 <sup>th</sup> quit work crew helping Sunday weather stormy |  |       |        |             |  |           |         |  |          |               |           | 11           |                                                                                    |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| 12      |                                                                                      |  |       |        |             |  |           |         |  |          |               |           | 12           | let. noon S. N. 57. 5-4 N. Long 160. 5 W.                                          |           |               |              |             |           |         |  |  |        |  |  |  |  |  |          |               |           |              |             |           |               |              |             |
| Course  |                                                                                      |  |       |        |             |  |           |         |  | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob.                                                                        | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. | Course    |         |  |  |        |  |  |  |  |  | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |

| H K F   |                                                                          |  |       |        |             |  |           |         |  | H K F     |        |  |               |         |  |           |       |        |               |    |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
|---------|--------------------------------------------------------------------------|--|-------|--------|-------------|--|-----------|---------|--|-----------|--------|--|---------------|---------|--|-----------|-------|--------|---------------|----|-----------|-------------|-------|--|-----------------------------------------|--|--|---------------|--|--|---------------|--|--|-------------|--|--|--|--|--|
| COURSES |                                                                          |  | WINDS | LEEWAY | Thermometer |  | Barometer | REMARKS |  |           | day of |  |               | COURSES |  |           | WINDS | LEEWAY | Thermometer   |    | Barometer | REMARKS     |       |  | Mon. day of Aug. 28 <sup>th</sup> 1909. |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
|         |                                                                          |  |       |        | Air Water   |  |           |         |  |           |        |  |               |         |  |           |       |        | Air Water     |    |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 1       | Sat. Aug. 14 <sup>th</sup> 1909.                                         |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 1  |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 2       | Bend Tails all sails bend in the after noon loading cases from           |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 2  |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 3       | N. C. Cannery 1958 cases Salomon Initial Brand. In the foreward          |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 3  |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 4       | hold                                                                     |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 4  | 18        | S. W.       | S. E. |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 5       | Sun. Aug 15 <sup>th</sup> 1909.                                          |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 5  |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 6       | 7 <sup>th</sup> a.m. loading cases from N. C. Cannery 1179 cases Salomon |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 6  |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 7       | Initial Brand.                                                           |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 7  |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 8       | 1889 cases Salomon from P. H. J. Cannery Bass Brand.                     |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 8  | 19.       | S. W.       | "     |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 9       | fine weather.                                                            |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 9  |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 10      |                                                                          |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 10 |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 11      | Mon. Aug 16 <sup>th</sup> 1909.                                          |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 11 |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 12      | Received Salomon cases from N. C. Cannery 674 Bass Labels                |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 12 | 20        | S. W.       | "     |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 1       | 3424 Hunter Brand 1780 Hunter Brand all in low hold.                     |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 1  |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 2       |                                                                          |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 2  |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 3       | Tues Aug. 17 <sup>th</sup> 1909                                          |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 3  |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 4       | Loading cases from N. C. Cannery 940 cases Hunter Brand                  |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 4  | 19.       | S. W.       |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 5       | 1099 no Labels. 745 Bass Labels 389 Jeeberg Labels                       |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 5  |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 6       | 2122 cases no labels in Low hold.                                        |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 6  |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 7       |                                                                          |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 7  |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 8       | Wed Aug 18 <sup>th</sup> 1909.                                           |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 8  | 16        | "           |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 9       | Loading cases from N. C. 1680 cases Emisign                              |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 9  |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 10      | 255 cases Jeeberg Labels 3835 cases Emisign Brand                        |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 10 |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 11      |                                                                          |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 11 |           |             |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| 12      | 4420 cases in the Toren Deck.                                            |  |       |        |             |  |           |         |  |           |        |  |               |         |  |           |       |        |               | 12 | 13.       | "           |       |  |                                         |  |  |               |  |  |               |  |  |             |  |  |  |  |  |
| Course  |                                                                          |  |       |        |             |  |           |         |  | Distance  |        |  | Diff. of Lat. |         |  | Departure |       |        | Lat. by D. R. |    |           | Lat. by Ob. |       |  | Variation                               |  |  | Diff. of Lon. |  |  | Lon. by D. R. |  |  | Lon. by Ob. |  |  |  |  |  |
|         |                                                                          |  |       |        |             |  |           |         |  | 44. S. W. |        |  | 106.          |         |  |           |       |        |               |    |           | 67.°-10     |       |  | — 20°45' E.                             |  |  | 168.          |  |  |               |  |  |             |  |  |  |  |  |

| H      | K        | F             | COURSES   | WINDS         | LEEWAY      | Thermometer |               | Barometer     | REMARKS                                 |
|--------|----------|---------------|-----------|---------------|-------------|-------------|---------------|---------------|-----------------------------------------|
|        |          |               |           |               |             | Air         | Water         |               |                                         |
| 1      |          |               |           |               |             |             |               |               | Mon. day of Aug. 28 <sup>th</sup> 1909. |
| 2      |          |               |           |               |             |             |               |               | Fresh S.E. gale 8 p. m. cast the Lead   |
| 3      |          |               |           |               |             |             |               |               | 25 fathoms fine gray sand next          |
| 4      | 18       |               | S. W.     | S. E.         |             |             |               |               | head sea sky cloudy drizzling           |
| 5      |          |               |           |               |             |             |               |               | rain 6 a. m. wind moderating            |
| 6      |          |               |           |               |             |             |               |               | and hauled to East. set all sail        |
| 7      |          |               |           |               |             |             |               |               |                                         |
| 8      | 19.      |               | S. W.     | "             |             |             |               |               | Pumps Lights and Leak not               |
| 9      |          |               |           |               |             |             |               |               | attended to                             |
| 10     |          |               |           |               |             |             |               |               | 2 days out.                             |
| 11     |          |               |           |               |             |             |               |               |                                         |
| 12     | 20       |               | S. W.     | "             |             |             |               |               |                                         |
| 1      |          |               |           |               |             |             |               |               |                                         |
| 2      |          |               |           |               |             |             |               |               |                                         |
| 3      |          |               |           |               |             |             |               |               |                                         |
| 4      | 19.      |               | S. W.     | "             |             |             |               |               |                                         |
| 5      |          |               |           |               |             |             |               |               |                                         |
| 6      |          |               |           |               |             |             |               |               |                                         |
| 7      |          |               |           |               |             |             |               |               |                                         |
| 8      | 16       |               | "         |               |             |             |               |               |                                         |
| 9      |          |               |           |               |             |             |               |               |                                         |
| 10     |          |               |           |               |             |             |               |               |                                         |
| 11     |          |               |           |               |             |             |               |               |                                         |
| 12     | 13.      |               | "         |               |             |             |               |               |                                         |
| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D. R. | Lon. by Ob.                             |
| S. W.  | 106.     |               |           | 57.°-10       | —           | 20° 45' 6.  |               | 168.          |                                         |

K. S. W.

106.

57.°-10

20°45' E.

168.

|    | H   | K  | F | COURSES | WINDS   | LEEWAY | Thermometer |       | Barometer | REMARKS                        |
|----|-----|----|---|---------|---------|--------|-------------|-------|-----------|--------------------------------|
|    |     |    |   |         |         |        | Air         | Water |           |                                |
| 1  |     |    |   |         |         |        |             |       |           | Fine weather throughout.       |
| 2  |     |    |   |         |         |        |             |       |           | Wind first part N. latter part |
| 3  |     |    |   |         |         |        |             |       |           | N. & W. sided land at noon.    |
| 4  |     |    |   |         |         |        |             |       |           |                                |
| 5  |     |    |   |         |         |        |             |       |           | Pumps Lights and Look out      |
| 6  |     |    |   |         |         |        |             |       |           | attended to.                   |
| 7  |     |    |   |         |         |        |             |       |           | 3 days out.                    |
| 8  |     |    |   |         |         |        |             |       |           |                                |
| 9  |     |    |   |         |         |        |             |       |           |                                |
| 10 |     |    |   |         |         |        |             |       |           |                                |
| 11 |     |    |   |         |         |        |             |       |           |                                |
| 12 |     |    |   |         |         |        |             |       |           |                                |
| 1  |     |    |   |         |         |        |             |       |           |                                |
| 2  |     |    |   |         |         |        |             |       |           |                                |
| 3  |     |    |   |         |         |        |             |       |           |                                |
| 4  |     |    |   |         |         |        |             |       |           |                                |
| 5  |     |    |   |         |         |        |             |       |           |                                |
| 6  |     |    |   |         |         |        |             |       |           |                                |
| 7  |     |    |   |         |         |        |             |       |           |                                |
| 8  |     |    |   |         |         |        |             |       |           |                                |
| 9  |     |    |   |         |         |        |             |       |           |                                |
| 10 |     |    |   |         |         |        |             |       |           |                                |
| 11 |     |    |   |         |         |        |             |       |           |                                |
| 12 | 131 | Lt |   |         | N. & W. |        |             |       | 29.90.    |                                |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Obs. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Obs. |
|--------|----------|---------------|-----------|---------------|--------------|-----------|---------------|---------------|--------------|
|        |          |               |           |               | 55.44. N     | 20.45 E   |               | 164.30 W      |              |

| H K F | COURSES                                                          | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS | day of |
|-------|------------------------------------------------------------------|-------|--------|-------------|-------|-----------|---------|--------|
|       |                                                                  |       |        | Air         | Water |           |         |        |
| 1     | Wed. Aug 25 <sup>th</sup> 1909.                                  |       |        |             |       |           |         |        |
| 2     | First north wind W. W. very light breeze 4 a.m. wind S. E.       |       |        |             |       |           |         |        |
| 3     | weather foggy at intervals land in sight Lat noon 54° W. Long 16 |       |        |             |       |           |         |        |
| 4     | Pumps lights and look out attended to. 4 days out.               |       |        |             |       |           |         |        |
| 5     |                                                                  |       |        |             |       |           |         |        |
| 6     | Thurs. August 26 <sup>th</sup> 1909.                             |       |        |             |       |           |         |        |
| 7     | Wind S. E. Tacking in the entrance of Ussumak Pass.              |       |        |             |       |           |         |        |
| 8     | at noon Lat by bearing 54° 20' N Long 165° 15' W. at noon fresh  |       |        |             |       |           |         |        |
| 9     | S. E. gale forced all light sails. raining.                      |       |        |             |       |           |         |        |
| 10    | Pumps lights and Look out attended to 5 days out.                |       |        |             |       |           |         |        |
| 11    |                                                                  |       |        |             |       |           |         |        |
| 12    | <del>Fri. Aug 27<sup>th</sup> 1909.</del>                        |       |        |             |       |           |         |        |
| 1     | 3 p.m. wind hauled to north fine weather set all sail            |       |        |             |       |           |         |        |
| 2     | 12 mid night Satele Cap W. W. moderate W breeze                  |       |        |             |       |           |         |        |
| 3     | Lat noon by OC. 53° 33' N. Long 163. 15 W. fine weather          |       |        |             |       |           |         |        |
| 4     | Pumps lights and Look out attended to. 6 days out                |       |        |             |       |           |         |        |
| 5     |                                                                  |       |        |             |       |           |         |        |
| 6     |                                                                  |       |        |             |       |           |         |        |
| 7     |                                                                  |       |        |             |       |           |         |        |
| 8     |                                                                  |       |        |             |       |           |         |        |
| 9     |                                                                  |       |        |             |       |           |         |        |
| 10    |                                                                  |       |        |             |       |           |         |        |
| 11    |                                                                  |       |        |             |       |           |         |        |
| 12    |                                                                  |       |        |             |       |           |         |        |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|

| H  | K   | F | COURSES     | WINDS    | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                                                                                                                                                                         |
|----|-----|---|-------------|----------|--------|-------------|-------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |     |   |             |          |        | Air         | Water |           |                                                                                                                                                                                                                                 |
| 1  |     |   |             |          |        |             |       |           | Fri day of Aug 28 <sup>th</sup> 1909.<br><br>Fine weather throughout<br>this 24 hours fresh W. or W. breeze<br>sky cloudy during the night<br><br>8 inches water in the Pump well<br>Lookout Lights attended to,<br>7 days ant. |
| 2  |     |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 3  |     |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 4  | 27  |   | E x S. 4 S. | N. or W. | —      |             |       |           |                                                                                                                                                                                                                                 |
| 5  |     |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 6  |     |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 7  |     |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 8  | 27  |   | " "         | " "      |        |             |       |           |                                                                                                                                                                                                                                 |
| 9  |     |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 10 |     |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 11 |     |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 12 | 34  |   | " "         | " "      |        |             |       |           |                                                                                                                                                                                                                                 |
| 1  |     |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 2  |     |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 3  |     |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 4  | 33. |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 5  |     |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 6  |     |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 7  |     |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 8  | 33  |   | " "         | " "      |        |             |       |           |                                                                                                                                                                                                                                 |
| 9  |     |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 10 |     |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 11 |     |   |             |          |        |             |       |           |                                                                                                                                                                                                                                 |
| 12 | 29. |   | " "         | " "      |        |             |       |           |                                                                                                                                                                                                                                 |

| Course           | Distance | Diff. of Lat.    | Departure          | Lat. by D. R.   | Lat. by Ob.     | Variation       | Diff. of Lon.    | Lon. by D. R.     | Lon. by Ob. |
|------------------|----------|------------------|--------------------|-----------------|-----------------|-----------------|------------------|-------------------|-------------|
| $88^{\circ} 34'$ | 188      | $109^{\circ} 8'$ | $2.147^{\circ} 8'$ | $52^{\circ} 5'$ | $52^{\circ} 5'$ | $18^{\circ} 0'$ | $40^{\circ} 17'$ | $159^{\circ} 13'$ |             |

| H  | K   | F | COURSES   | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                                                              |
|----|-----|---|-----------|-------|--------|-------------|-------|-----------|----------------------------------------------------------------------------------------------------------------------|
|    |     |   |           |       |        | Air         | Water |           |                                                                                                                      |
| 1  |     |   |           |       |        |             |       |           | Lat. day of Aug 27 <sup>th</sup> 1909.                                                                               |
| 2  |     |   |           |       |        |             |       |           |                                                                                                                      |
| 3  |     |   |           |       |        |             |       |           |                                                                                                                      |
| 4  | 30  |   | E. 3/4 S. | N. W. |        |             |       |           | First part wind N. W.<br>moderate breeze fine weather<br>S. W. sea 5 a. m. wind South<br>fresh breeze with fine rain |
| 5  |     |   |           |       |        |             |       |           |                                                                                                                      |
| 6  |     |   |           |       |        |             |       |           |                                                                                                                      |
| 7  |     |   |           |       |        |             |       |           |                                                                                                                      |
| 8  | 27  |   | E x S.    | " "   |        |             |       |           | Pumps Lights and Look out<br>attended to 9 inches water<br>in the ship.                                              |
| 9  |     |   |           |       |        |             |       |           |                                                                                                                      |
| 10 |     |   |           |       |        |             |       |           |                                                                                                                      |
| 11 |     |   |           |       |        |             |       |           |                                                                                                                      |
| 12 | 23. |   | " "       | " "   |        |             |       |           |                                                                                                                      |
| 1  |     |   |           |       |        |             |       |           |                                                                                                                      |
| 2  |     |   |           |       |        |             |       |           |                                                                                                                      |
| 3  |     |   |           |       |        |             |       |           |                                                                                                                      |
| 4  | 18. |   | " "       | " "   |        |             |       |           |                                                                                                                      |
| 5  |     |   |           |       |        |             |       |           |                                                                                                                      |
| 6  |     |   |           |       |        |             |       |           |                                                                                                                      |
| 7  |     |   |           |       |        |             |       |           |                                                                                                                      |
| 8  |     |   |           |       |        |             |       |           |                                                                                                                      |
| 9  | 19  |   | " "       | South |        |             |       |           |                                                                                                                      |
| 10 |     |   |           |       |        |             |       |           |                                                                                                                      |
| 11 |     |   |           |       |        |             |       |           |                                                                                                                      |
| 12 | 10  |   | E 1/2 N.  | "     |        |             |       |           |                                                                                                                      |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Obs. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Obs. |
|--------|----------|---------------|-----------|---------------|--------------|-----------|---------------|---------------|--------------|
|--------|----------|---------------|-----------|---------------|--------------|-----------|---------------|---------------|--------------|

towards *San Francisco*

[illegible]

Journal from Nushagak towards San Francisco.

Journal from Nushagak towards San Francisco.

| H   | K     | F | COURSES          | WINDS | LEEWAY | Thermometer | Barometer | REMARKS                                                                          | Thermometer | Barometer | REMARKS          |
|-----|-------|---|------------------|-------|--------|-------------|-----------|----------------------------------------------------------------------------------|-------------|-----------|------------------|
| Air | Water |   |                  |       |        |             |           |                                                                                  | Air         | Water     |                  |
| 1   |       |   |                  |       |        |             |           | This 24 hours wind very light and variable from South to W. and N. E. sky cloudy | 1           |           |                  |
| 2   |       |   |                  |       |        |             |           |                                                                                  | 2           |           |                  |
| 3   |       |   |                  |       |        |             |           |                                                                                  | 3           |           |                  |
| 4   |       |   |                  |       |        |             |           |                                                                                  | 4           | 11        | N. E. x E. S. E. |
| 5   |       |   |                  |       |        |             |           | Pumps Lights and Look out attended to.                                           | 5           |           |                  |
| 6   |       |   |                  |       |        |             |           | 13 days out.                                                                     | 6           |           |                  |
| 7   |       |   |                  |       |        |             |           |                                                                                  | 7           |           |                  |
| 8   |       |   |                  |       |        |             |           |                                                                                  | 8           | 12        | N. E. x E.       |
| 9   |       |   |                  |       |        |             |           |                                                                                  | 9           |           |                  |
| 10  |       |   |                  |       |        |             |           |                                                                                  | 10          |           |                  |
| 11  |       |   |                  |       |        |             |           |                                                                                  | 11          |           |                  |
| 12  |       |   |                  |       |        |             |           |                                                                                  | 12          | 11        | N. E. x E.       |
| 1   |       |   |                  |       |        |             |           |                                                                                  | 1           |           |                  |
| 2   |       |   |                  |       |        |             |           |                                                                                  | 2           |           |                  |
| 3   |       |   |                  |       |        |             |           |                                                                                  | 3           | 13        | S. W.            |
| 4   |       |   |                  |       |        |             |           |                                                                                  | 4           |           |                  |
| 5   |       |   |                  |       |        |             |           |                                                                                  | 5           |           |                  |
| 6   |       |   |                  |       |        |             |           |                                                                                  | 6           |           |                  |
| 7   |       |   |                  |       |        |             |           |                                                                                  | 7           |           |                  |
| 8   |       |   |                  |       |        |             |           |                                                                                  | 8           | 31        | N. E. x E. S. E. |
| 9   |       |   |                  |       |        |             |           |                                                                                  | 9           |           |                  |
| 10  |       |   |                  |       |        |             |           |                                                                                  | 10          |           |                  |
| 11  |       |   |                  |       |        |             |           |                                                                                  | 11          |           |                  |
| 12  | 78    |   | E. x S. E. N. E. |       |        |             |           |                                                                                  | 12          | 24        | E. x S. South.   |

| Course       | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|--------------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| S. E. 1/4 E. | 78.      | 52. S.        | 57.       | 45.29 N       | 45.28 N     | 22 E.     | 81 E          | 135.24 E.     | 135.25 S.   | 84 E.  | 67.      | 10 S.         | 66 E.     | 44.59 N       | 44.56 N     | 20 E.     | 99 E.         | 133.25 W.     |             |

| H  | K  | F | COURSES  | WINDS    | LEEWAY | Thermometer |       | Barometer | REMARKS | Thurs. | day of | Aug 3 <sup>d</sup> 1909. | H  | K  | F | COURSES        | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS | Sun. | day of | Sep 5 <sup>d</sup> 1909. |
|----|----|---|----------|----------|--------|-------------|-------|-----------|---------|--------|--------|--------------------------|----|----|---|----------------|-------|--------|-------------|-------|-----------|---------|------|--------|--------------------------|
|    |    |   |          |          |        | Air         | Water |           |         |        |        |                          |    |    |   |                |       |        | Air         | Water |           |         |      |        |                          |
| 1  |    |   |          |          |        |             |       |           |         |        |        |                          | 1  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 2  |    |   |          |          |        |             |       |           |         |        |        |                          | 2  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 3  |    |   |          |          |        |             |       |           |         |        |        |                          | 3  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 4  | 10 |   | E. S. E. | E. N. E. |        |             |       |           |         |        |        |                          | 4  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 5  |    |   |          |          |        |             |       |           |         |        |        |                          | 5  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 6  |    |   |          |          |        |             |       |           |         |        |        |                          | 6  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 7  |    |   |          |          |        |             |       |           |         |        |        |                          | 7  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 8  | 10 |   | S. S. E. | S. E.    |        |             |       |           |         |        |        |                          | 8  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 9  |    |   |          |          |        |             |       |           |         |        |        |                          | 9  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 10 |    |   |          |          |        |             |       |           |         |        |        |                          | 10 |    |   |                |       |        |             |       |           |         |      |        |                          |
| 11 |    |   |          |          |        |             |       |           |         |        |        |                          | 11 |    |   |                |       |        |             |       |           |         |      |        |                          |
| 12 | 12 |   | South    | S. S. E. |        |             |       |           |         |        |        |                          | 12 | 53 |   | E. S. E.       | S.    |        |             |       |           |         |      |        |                          |
| 1  |    |   |          |          |        |             |       |           |         |        |        |                          | 1  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 2  |    |   |          |          |        |             |       |           |         |        |        |                          | 2  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 3  |    |   |          |          |        |             |       |           |         |        |        |                          | 3  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 4  | 8  |   | S. W.    | S. E.    |        |             |       |           |         |        |        |                          | 4  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 5  |    |   |          |          |        |             |       |           |         |        |        |                          | 5  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 6  |    |   |          |          |        |             |       |           |         |        |        |                          | 6  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 7  |    |   |          |          |        |             |       |           |         |        |        |                          | 7  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 8  | 17 |   | N. E.    | -        |        |             |       |           |         |        |        |                          | 8  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 9  |    |   |          |          |        |             |       |           |         |        |        |                          | 9  |    |   |                |       |        |             |       |           |         |      |        |                          |
| 10 |    |   |          |          |        |             |       |           |         |        |        |                          | 10 |    |   |                |       |        |             |       |           |         |      |        |                          |
| 11 |    |   |          |          |        |             |       |           |         |        |        |                          | 11 |    |   |                |       |        |             |       |           |         |      |        |                          |
| 12 | 14 |   | -        | -        |        |             |       |           |         |        |        |                          | 12 | 27 |   | E. x N. 1/4 N. |       |        |             |       |           |         |      |        |                          |

| Course   | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course   | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|----------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|----------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| S. 54 E. | 32       | 23.           | 55 E.     | 45.2 N        | 45.26 N     | 15 E.     | 36 E.         | 134.59 W.     | —           | S. 60 E. | 74.      | 35 S.         | 64 E.     | 44.23.        | 44.21 N     | 30 E.     | 99 E.         | 131.25 W.     | —           |

Journal from *Nushagak* towards *San Francisco*Journal from *Nushagak* towards *San Francisco*

| H  | K  | F | COURSES   | WINDS   | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                      | Sep. day of 6 <sup>th</sup> 1909. |
|----|----|---|-----------|---------|--------|-------------|-------|-----------|------------------------------------------------------------------------------|-----------------------------------|
|    |    |   |           |         |        | Air         | Water |           |                                                                              |                                   |
| 1  |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 2  |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 3  |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 4  | 14 |   | E. S. E.  | S. x W. |        |             |       |           | Fine weather throughout<br>light southerly air at times<br>light breeze      |                                   |
| 5  |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 6  |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 7  |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 8  | 12 |   | E. x N.   | S.      |        |             |       |           | Pumps Lights and Look out<br>attended to 8 inches water<br>in the Pump well. |                                   |
| 9  |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 10 |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 11 |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 12 | 14 |   | E. 1/4 N. | ~       |        |             |       |           |                                                                              |                                   |
| 1  |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 2  |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 3  |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 4  | 14 |   | E. 1/2 S. | S. x W. |        |             |       |           |                                                                              |                                   |
| 5  |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 6  |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 7  |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 8  |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 9  |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 10 |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 11 |    |   |           |         |        |             |       |           |                                                                              |                                   |
| 12 | 20 |   | E. x S.   | ~       |        |             |       |           |                                                                              |                                   |

| Course   | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|----------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| S. 63 E. | 90       | 36. S.        | 71 E.     | 43.2 45. N    | 43.2 43. N  | 20 E.     | 99. E.        | 130 = 22.     | —           |

| H  | K  | F | COURSES                   | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                                                                    | Sun. day of Sep. 7 <sup>th</sup> 1909. |
|----|----|---|---------------------------|-------|--------|-------------|-------|-----------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
|    |    |   |                           |       |        | Air         | Water |           |                                                                                                                            |                                        |
| 1  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 2  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 3  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 4  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 5  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 6  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 7  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 8  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 9  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 10 |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 11 |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 12 |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 1  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 2  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 3  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 4  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 5  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 6  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 7  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 8  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 9  |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 10 |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 11 |    |   |                           |       |        |             |       |           |                                                                                                                            |                                        |
| 12 | 20 |   | E. S. E. x E. South by W. |       |        |             |       |           | This 24 hours light southerly<br>breeze fine weather throughout.<br>Pumps Lights and Look out<br>attended to. 17 days out. |                                        |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| S. E.  | 120      | 99.           | 66.       | 42.39         | 42.37       | 22 E.     | 91 E.         | 123.51        | —           |

| H  | K   | F | COURSES  | WINDS    | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                                                                                                     | Wed. day of Sep. 8 <sup>th</sup> 1909. |
|----|-----|---|----------|----------|--------|-------------|-------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
|    |     |   |          |          |        | Air         | Water |           |                                                                                                                                                             |                                        |
| 1  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 2  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 3  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 4  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 5  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 6  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 7  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 8  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 9  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 10 |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 11 |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 12 |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 1  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 2  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 3  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 4  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 5  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 6  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 7  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 8  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 9  |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 10 |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 11 |     |   |          |          |        |             |       |           |                                                                                                                                                             |                                        |
| 12 | 100 |   | E. S. E. | S. S. W. |        |             |       |           | Light S. S. W. breeze at times<br>calm bay S. W. swell at<br>inter vals foggy<br><br>Pumps Lights and Look out<br>attended to also Fog horn<br>18 days out. |                                        |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R.   | Lon. by Ob. |
|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|-----------------|-------------|
| S. E.  | 100      | 71 S.         | 71 E.     | 41 = 26 N     | —           | 20 E.     | 96 E.         | 127 = 16 1/2 W. | —           |

| H  | K  | F | COURSES | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                                                                                                                                                                                | Thurs. day of Sep. 9 <sup>th</sup> 09. |
|----|----|---|---------|-------|--------|-------------|-------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
|    |    |   |         |       |        | Air         | Water |           |                                                                                                                                                                                                                                        |                                        |
| 1  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 2  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 3  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 4  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 5  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 6  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 7  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 8  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 9  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 10 |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 11 |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 12 |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 1  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 2  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 3  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 4  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 5  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 6  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 7  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 8  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 9  |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 10 |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 11 |    |   |         |       |        |             |       |           |                                                                                                                                                                                                                                        |                                        |
| 12 | 52 |   | S. E.   | W.    | L.     |             |       |           | First port wind southerly<br>very light 8 p.m. Wind E. W.<br>mountain had West sea ship<br>calling very heavy later<br>port wind calm and<br>foggy moon sky clear<br><br>Pumps Lights and<br>Look out attended to.<br><br>19 days out. |                                        |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| S. E.  | 52.      | 36. S.        | 36. E.    | 40.50         | 40.50       | 20 E.     | 48 E.         | 126 1/2       | —           |

Journal from *Nushagak* towards *San Francisco*Journal from *San Francisco* towards *Bristol Bay*

| H  | K  | F | COURSES        | WINDS    | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                                                       | Fri. day of Sep. 10 <sup>th</sup> 1909. | H  | K | F | COURSES | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS | This 12 day of April 1910 |
|----|----|---|----------------|----------|--------|-------------|-------|-----------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------|----|---|---|---------|-------|--------|-------------|-------|-----------|---------|---------------------------|
|    |    |   |                |          |        | Air         | Water |           |                                                                                                               |                                         |    |   |   |         |       |        | Air         | Water |           |         |                           |
| 1  |    |   |                |          |        |             |       |           |                                                                                                               |                                         | 1  |   |   |         |       |        |             |       |           |         |                           |
| 2  |    |   |                |          |        |             |       |           |                                                                                                               |                                         | 2  |   |   |         |       |        |             |       |           |         |                           |
| 3  |    |   |                |          |        |             |       |           |                                                                                                               |                                         | 3  |   |   |         |       |        |             |       |           |         |                           |
| 4  | 10 |   | S. E.          | S. S. W. |        |             |       |           | First part wind S. S. W. very light 6 p.m. wind S. W. 8 p.m. wind N. W. increasing in force 8 a.m. fresh gale |                                         | 4  |   |   |         |       |        |             |       |           |         |                           |
| 5  |    |   |                |          |        |             |       |           | noon strong gale clear weather                                                                                |                                         | 5  |   |   |         |       |        |             |       |           |         |                           |
| 6  |    |   |                |          |        |             |       |           | Pumps Light and Lean out attended to. 20 days out.                                                            |                                         | 6  |   |   |         |       |        |             |       |           |         |                           |
| 7  |    |   |                |          |        |             |       |           |                                                                                                               |                                         | 7  |   |   |         |       |        |             |       |           |         |                           |
| 8  | 16 |   | " "            | " "      |        |             |       |           |                                                                                                               |                                         | 8  |   |   |         |       |        |             |       |           |         |                           |
| 9  |    |   |                |          |        |             |       |           |                                                                                                               |                                         | 9  |   |   |         |       |        |             |       |           |         |                           |
| 10 | 12 |   | S. S. E.       | N. W.    |        |             |       |           |                                                                                                               |                                         | 10 |   |   |         |       |        |             |       |           |         |                           |
| 11 |    |   |                |          |        |             |       |           |                                                                                                               |                                         | 11 |   |   |         |       |        |             |       |           |         |                           |
| 12 | 10 |   | S. E. & 1/2 E. | " "      |        |             |       |           |                                                                                                               |                                         | 12 |   |   |         |       |        |             |       |           |         |                           |
| 1  |    |   |                |          |        |             |       |           |                                                                                                               |                                         | 1  |   |   |         |       |        |             |       |           |         |                           |
| 2  |    |   |                |          |        |             |       |           |                                                                                                               |                                         | 2  |   |   |         |       |        |             |       |           |         |                           |
| 3  |    |   |                |          |        |             |       |           |                                                                                                               |                                         | 3  |   |   |         |       |        |             |       |           |         |                           |
| 4  | 22 |   | " "            | " "      |        |             |       |           |                                                                                                               |                                         | 4  |   |   |         |       |        |             |       |           |         |                           |
| 5  |    |   |                |          |        |             |       |           |                                                                                                               |                                         | 5  |   |   |         |       |        |             |       |           |         |                           |
| 6  |    |   |                |          |        |             |       |           |                                                                                                               |                                         | 6  |   |   |         |       |        |             |       |           |         |                           |
| 7  |    |   |                |          |        |             |       |           |                                                                                                               |                                         | 7  |   |   |         |       |        |             |       |           |         |                           |
| 8  | 31 |   | " "            | " "      |        |             |       |           |                                                                                                               |                                         | 8  |   |   |         |       |        |             |       |           |         |                           |
| 9  |    |   |                |          |        |             |       |           |                                                                                                               |                                         | 9  |   |   |         |       |        |             |       |           |         |                           |
| 10 |    |   |                |          |        |             |       |           |                                                                                                               |                                         | 10 |   |   |         |       |        |             |       |           |         |                           |
| 11 |    |   |                |          |        |             |       |           |                                                                                                               |                                         | 11 |   |   |         |       |        |             |       |           |         |                           |
| 12 | 34 |   | " "            | " "      |        |             |       |           |                                                                                                               |                                         | 12 |   |   |         |       |        |             |       |           |         |                           |

| Course       | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|--------------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| S. E. 1/2 S. | 153.     | 115 S.        | 65 E.     | 38° 40' N.    | 38° 46' N.  | 18 E.     | 91 E.         | 124. 48. 48.  |             |        |          |               |           |               |             |           |               |               |             |

| H  | K | F | COURSES | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS | day of | H  | K      | F | COURSES | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS | 13 Day day of April 1910 |
|----|---|---|---------|-------|--------|-------------|-------|-----------|---------|--------|----|--------|---|---------|-------|--------|-------------|-------|-----------|---------|--------------------------|
|    |   |   |         |       |        | Air         | Water |           |         |        |    |        |   |         |       |        | Air         | Water |           |         |                          |
| 1  |   |   |         |       |        |             |       |           |         |        | 1  |        |   |         |       |        |             |       |           |         |                          |
| 2  |   |   |         |       |        |             |       |           |         |        | 2  |        |   |         |       |        |             |       |           |         |                          |
| 3  |   |   |         |       |        |             |       |           |         |        | 3  |        |   |         |       |        |             |       |           |         |                          |
| 4  |   |   |         |       |        |             |       |           |         |        | 4  |        |   |         |       |        |             |       |           |         |                          |
| 5  |   |   |         |       |        |             |       |           |         |        | 5  |        |   |         |       |        |             |       |           |         |                          |
| 6  |   |   |         |       |        |             |       |           |         |        | 6  |        |   |         |       |        |             |       |           |         |                          |
| 7  |   |   |         |       |        |             |       |           |         |        | 7  |        |   |         |       |        |             |       |           |         |                          |
| 8  |   |   |         |       |        |             |       |           |         |        | 8  |        |   |         |       |        |             |       |           |         |                          |
| 9  |   |   |         |       |        |             |       |           |         |        | 9  |        |   |         |       |        |             |       |           |         |                          |
| 10 |   |   |         |       |        |             |       |           |         |        | 10 | 51     |   | S. W.   | N. W. | 1/2    |             |       |           |         |                          |
| 11 |   |   |         |       |        |             |       |           |         |        | 11 |        |   |         |       |        |             |       |           |         |                          |
| 12 |   |   |         |       |        |             |       |           |         |        | 12 | 99 1/2 |   | S. W.   | N. W. | 1/2    |             |       |           |         |                          |
| 1  |   |   |         |       |        |             |       |           |         |        | 1  |        |   |         |       |        |             |       |           |         |                          |
| 2  |   |   |         |       |        |             |       |           |         |        | 2  |        |   |         |       |        |             |       |           |         |                          |
| 3  |   |   |         |       |        |             |       |           |         |        | 3  |        |   |         |       |        |             |       |           |         |                          |
| 4  |   |   |         |       |        |             |       |           |         |        | 4  | 31     |   | S. W.   | N. W. | 1/2    |             |       |           |         |                          |
| 5  |   |   |         |       |        |             |       |           |         |        | 5  |        |   |         |       |        |             |       |           |         |                          |
| 6  |   |   |         |       |        |             |       |           |         |        | 6  |        |   |         |       |        |             |       |           |         |                          |
| 7  |   |   |         |       |        |             |       |           |         |        | 7  |        |   |         |       |        |             |       |           |         |                          |
| 8  |   |   |         |       |        |             |       |           |         |        | 8  | 31     |   | S. W.   | N. W. | 1/2    |             |       |           |         |                          |
| 9  |   |   |         |       |        |             |       |           |         |        | 9  |        |   |         |       |        |             |       |           |         |                          |
| 10 |   |   |         |       |        |             |       |           |         |        | 10 |        |   |         |       |        |             |       |           |         |                          |
| 11 |   |   |         |       |        |             |       |           |         |        | 11 |        |   |         |       |        |             |       |           |         |                          |
| 12 |   |   |         |       |        |             |       |           |         |        | 12 | 51     |   | S. W.   | N. W. | 1/2    |             |       |           |         |                          |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. | Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|

| H K F                                                                                                                                                                                                                                                                                                                                                                                                    |          |               | COURSES   | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS     | H K F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |               | COURSES   | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|-----------|--------------|-------------|-------------|---------------|--------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|-----------|--------------|-------------|-------------|---------------|--------------|-------------|
|                                                                                                                                                                                                                                                                                                                                                                                                          |          |               |           |              |             | Air         | Water         |              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |               |           |              |             | Air         | Water         |              |             |
| <p>at 8 Pm still striking and above SWell from N.W at 12 Pm still a strong breeze from NW and have sea running</p> <p>at 4 am slight madrat at 6 am took in the anchor on the Jackshot head an. Broom then at 7.00 set the far upper topsail</p> <p>at 12.00 clock observation stand to Wind Madrat set the far and main the galleon and main sail ships Duties standat to this ends the Days Duties</p> |          |               |           |              |             |             |               |              |             | <p>at 1. Pm Opened flap chest and also ships Duties standat to</p> <p>at 6. Pm Lights pumps and Lackaut standat to Wind Light from NW made via Claude ships head SW &amp; W</p> <p>at 12.00 clock Light Wind and Claude Changing Light Drisling Rayen Light and Lackaut standat to ships head W</p> <p>at 4. am equally Whit Rayen Wind bothing from NW to North haling gradually towards North square yards in Wind from Course W &amp; N</p> <p>at 8 am ship's Duties standat at 12.00 standat to harren Claude this ends the 4 Days out</p> |          |               |           |              |             |             |               |              |             |
| 30                                                                                                                                                                                                                                                                                                                                                                                                       |          |               | SW        | NW           | 1/2         |             |               |              |             | 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |               | SW & W    | NW           | 1/2         |             |               |              |             |
| 24                                                                                                                                                                                                                                                                                                                                                                                                       |          |               | SW        | NW           | 1/2         |             |               |              |             | 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |               | WSW       | NW           | 1/2         |             |               |              |             |
| 27                                                                                                                                                                                                                                                                                                                                                                                                       |          |               | S.W by W  | NW           | 1/2         |             |               | 31.29        |             | 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |               | Wart      | NW           | 1/2         |             |               | 30.21        |             |
|                                                                                                                                                                                                                                                                                                                                                                                                          |          |               | SW        | NW           | 1/2         |             |               |              |             | 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |               | W & N     | North        | 1/2         |             |               |              |             |
|                                                                                                                                                                                                                                                                                                                                                                                                          |          |               | SW        | NW           | 1/2         |             |               |              |             | 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |               | W & N     | North        | 1/2         |             |               |              |             |
|                                                                                                                                                                                                                                                                                                                                                                                                          |          |               | SW        | NW           | 1/2         |             |               |              |             | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |               | WNW       | N & E        | 20          |             |               |              |             |
| Course                                                                                                                                                                                                                                                                                                                                                                                                   | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. | Course                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
| 30                                                                                                                                                                                                                                                                                                                                                                                                       | 75       | 1° 45'        | 54'       | 36° 41' N    | 36° 31' N   | 24° E       | 1° 04'        | 126° 05'     | 126° 07'    | 77° W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 134'     | 30'           | 150' W    | 35° 59'      | 36° 29' N   | 17° East    | 2° 39' W      | 132° 42'     | 132° 46' W  |

| H K F                                                                                                                                                                                                                                                                                                                                                                                                                               |          |               | COURSES   | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS     | H K F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |               | COURSES   | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|-----------|--------------|-------------|-------------|---------------|--------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|-----------|--------------|-------------|-------------|---------------|--------------|-------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |               |           |              |             | Air         | Water         |              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |               |           |              |             | Air         | Water         |              |             |
| <p>at 4 Pm Wind Light Handed the Light sails Well also moderates</p> <p>at 6 Pm. sat. Fall spanker and merrin the galleon staysail pumps Lights and Lackaut standat</p> <p>at 12 o'clock a Light Breeze from NW ships head S.W. Light and Lackaut standat to</p> <p>at 8 am Riged Pump and Wacht of Jacks also ships Duties standat Wind Light ships Head S.W.</p> <p>at 12 clock Obs standat to also ships Duties ends at noon</p> |          |               |           |              |             |             |               |              |             | <p>This 16 Day of april Begins With fine and fore. Wind Changing towards SE</p> <p>at 6 Pm Pumps Lights and Lackaut standat to Lackaut Down the spanker Wind Rayen aft</p> <p>at 8 Pm Wind still from SE With above small running from SW Light and Lackaut standat to</p> <p>at 12. Pm, Wind Light With Drish of light Rayen at internal Claude Lights and Lackaut standat to</p> <p>at 4 am Wind Light Claude at 8 am Wacht Jacks at 8 am Wind Light and Claude at 12 am Obs standat to also ships Duties and of the Day, 5 Days out</p> |          |               |           |              |             |             |               |              |             |
| 26                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |               | SW        | NW           | 1/2         |             |               |              |             | 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |               | NW & W    | SE           |             |             |               |              |             |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |               | SW        | NW           | 1/2         |             |               |              |             | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |               | NW & W    | SE           |             |             |               |              |             |
| 32                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |               | SW        | NW           | 1/2         |             |               |              |             | 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |               | NNW & W   | SE           |             |             |               |              |             |
| 23                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |               | SW        | NW           | 1/2         |             |               |              |             | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |               | NW & W    | SE           |             |             |               |              |             |
| 28                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |               | SW        | NW           | 1/2         |             |               |              |             | 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |               | NW & W    | SE           |             |             |               |              |             |
| 32                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |               | SW        | NW           | 1/2         |             |               |              |             | 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |               | NW & W    | SE           |             |             |               |              |             |
| Course                                                                                                                                                                                                                                                                                                                                                                                                                              | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. | Course                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                  | 32       | 93'           | 137'      | 34° 57'      | 35° 27'     | 17° E       | 2° 00'        | 129° 47'     | 130° 13'    | 50° W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 143'     | 1° 32' N      | 109'      | 37° 51' N    | 38° 12' N   | 17° E       | 2° 17' W      | 134° 57'     | 134° 40' W  |

Journal from San Francisco towards Bristol Bay

| H K F                                                                                                             |    |          |       |        |             |       |           |         |                                      | H K F                                                                                                             |       |     |       |        |             |       |           |                                    |                           |
|-------------------------------------------------------------------------------------------------------------------|----|----------|-------|--------|-------------|-------|-----------|---------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------|-----|-------|--------|-------------|-------|-----------|------------------------------------|---------------------------|
| COURSES                                                                                                           |    |          | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS | This 17 day of April                 | COURSES                                                                                                           |       |     | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                            | This 19 day of April 1910 |
|                                                                                                                   |    |          |       |        | Air         | Water |           |         |                                      | Air                                                                                                               | Water |     |       |        | Air         | Water |           |                                    |                           |
| 1                                                                                                                 |    |          |       |        |             |       |           |         | at 4 Pm Light Wind and               | 1                                                                                                                 |       |     |       |        |             |       |           | at 4 Pm this Day Begins            |                           |
| 2                                                                                                                 |    |          |       |        |             |       |           |         | Cloud intervals With Rain            | 2                                                                                                                 |       |     |       |        |             |       |           | With Light Wind and moderate       |                           |
| 3                                                                                                                 |    |          |       |        |             |       |           |         | at 6 Pm Wind backing to              | 3                                                                                                                 |       |     |       |        |             |       |           | sea ship is heading NNE            |                           |
| 4                                                                                                                 | 23 | W.N.W.   | S E   | 00     |             |       |           |         | falling NE squally With Rain pump    | 4                                                                                                                 | 12    | NNW | SW    | 1/2    |             |       |           | on the Wind                        |                           |
| 5                                                                                                                 |    |          |       |        |             |       |           |         | 30. No Lights and Lookouts at anchor | 5                                                                                                                 |       |     |       |        |             |       |           | at 6 Pm Lights pumps and           |                           |
| 6                                                                                                                 |    |          |       |        |             |       |           |         | the set the spaulter and stay        | 6                                                                                                                 |       |     |       |        |             |       |           | Lookouts at anchor to also         |                           |
| 7                                                                                                                 |    |          |       |        |             |       |           |         |                                      | 7                                                                                                                 |       |     |       |        |             |       |           | ships Duties                       |                           |
| 8                                                                                                                 | 25 | WNW      | S E   | —      |             |       |           |         |                                      | 8                                                                                                                 | 25    | NNW | WSW   | 1/2    |             |       |           |                                    |                           |
| 9                                                                                                                 |    |          |       |        |             |       |           |         | at 4 am a Light Wind                 | 9                                                                                                                 |       |     |       |        |             |       |           | at 10 am Wind increasing           |                           |
| 10                                                                                                                |    |          |       |        |             |       |           |         | Backing from SE toward SW            | 10                                                                                                                |       |     |       |        |             |       |           | tacking in from main the           |                           |
| 11                                                                                                                |    |          |       |        |             |       |           |         | With Light Rain yard and             | 11                                                                                                                |       |     |       |        |             |       |           | guller sails Rye's and guller      |                           |
| 12                                                                                                                | 12 | WNW      | S E   | —      |             |       |           |         | sails are Lookouts at anchor         | 12                                                                                                                | 24    | NNW | WSW   | 1/2    |             |       |           | sails job Rye's spaulter a strong  |                           |
| 1                                                                                                                 |    |          |       |        |             |       |           |         | all is well                          | 1                                                                                                                 |       |     |       |        |             |       |           | prior from SSW at 12 Obs at anchor |                           |
| 2                                                                                                                 |    |          |       |        |             |       |           |         |                                      | 2                                                                                                                 |       |     |       |        |             |       |           | this ends this 20 day of April     |                           |
| 3                                                                                                                 |    |          |       |        |             |       |           |         | at 8 am Light Wind and for           | 3                                                                                                                 |       |     |       |        |             |       |           | 8 Days out                         |                           |
| 4                                                                                                                 | 18 | WNW      | S W   | —      |             |       |           |         | NW Wall Running Obs at anchor        | 4                                                                                                                 | 22    | NW  | WSW   | 1/2    |             |       |           |                                    |                           |
| 5                                                                                                                 |    |          |       |        |             |       |           |         | to also ships Duties all is well     | 5                                                                                                                 |       |     |       |        |             |       |           |                                    |                           |
| 6                                                                                                                 |    |          |       |        |             |       |           |         | on board                             | 6                                                                                                                 |       |     |       |        |             |       |           |                                    |                           |
| 7                                                                                                                 |    |          |       |        |             |       |           |         |                                      | 7                                                                                                                 |       |     |       |        |             |       |           |                                    |                           |
| 8                                                                                                                 | 11 | WNW      | S W   | —      |             |       |           |         | at 12 o'clock Light Wind from        | 8                                                                                                                 | 33    | WNW | SW    | 1/2    |             |       |           |                                    |                           |
| 9                                                                                                                 |    |          |       |        |             |       |           |         | S.W. NW Wall Obs at anchor to        | 9                                                                                                                 |       |     |       |        |             |       |           |                                    |                           |
| 10                                                                                                                |    |          |       |        |             |       |           |         | also ships Duties this ends this     | 10                                                                                                                |       |     |       |        |             |       |           |                                    |                           |
| 11                                                                                                                |    |          |       |        |             |       |           |         | day 17 day of April 5 Days out       | 11                                                                                                                |       |     |       |        |             |       |           |                                    |                           |
| 12                                                                                                                | 9  | WNW      | S W   | —      |             |       |           |         | 30. No                               | 12                                                                                                                | 35    | WxN | SW    | 1/2    |             |       |           |                                    |                           |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |          |       |        |             |       |           |         |                                      | Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |       |     |       |        |             |       |           |                                    |                           |
| N 53 W 97 miles 58' N 76.0 39° 10' N 39° 24' N 17° E 1° 37' W 136° 36' W 136° 04' W                               |    |          |       |        |             |       |           |         |                                      | N 45 W 170 3° 00' N 72.0 42° 42' N 42° 18' N 17° E 1° 35' W 138° 18' W 138° 18' W                                 |       |     |       |        |             |       |           |                                    |                           |
| H K F                                                                                                             |    |          |       |        |             |       |           |         |                                      | H K F                                                                                                             |       |     |       |        |             |       |           |                                    |                           |
| COURSES                                                                                                           |    |          | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS | This 18 day of April 1910            | COURSES                                                                                                           |       |     | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                            | This 20 day of April 1910 |
|                                                                                                                   |    |          |       |        | Air         | Water |           |         |                                      | Air                                                                                                               | Water |     |       |        | Air         | Water |           |                                    |                           |
| 1                                                                                                                 |    |          |       |        |             |       |           |         | at 4 Pm Light Wind and               | 1                                                                                                                 |       |     |       |        |             |       |           | at 4 Pm am at anchor Breeze        |                           |
| 2                                                                                                                 |    |          |       |        |             |       |           |         | Clear                                | 2                                                                                                                 |       |     |       |        |             |       |           | from SSW With Rain at              |                           |
| 3                                                                                                                 |    |          |       |        |             |       |           |         | SW Wall Running from NW Wall         | 3                                                                                                                 |       |     |       |        |             |       |           | intervals With heavy Westerly      |                           |
| 4                                                                                                                 | 12 | WxN      | SSW   | —      |             |       |           |         | in the Western ships Duties at       | 4                                                                                                                 | 27    | WxN | SSW   | 1/2    |             |       |           | SW Wall at 6 Pm set the main       |                           |
| 5                                                                                                                 |    |          |       |        |             |       |           |         | anchor all is well on board          | 5                                                                                                                 |       |     |       |        |             |       |           | the guller sail fly job            |                           |
| 6                                                                                                                 |    |          |       |        |             |       |           |         |                                      | 6                                                                                                                 |       |     |       |        |             |       |           | also Lights pumps and              |                           |
| 7                                                                                                                 |    |          |       |        |             |       |           |         | at 8 Pm, Calm and here               | 7                                                                                                                 | 16    | WxN | SSW   | 1/2    |             |       |           | Lookouts at anchor to              |                           |
| 8                                                                                                                 |    |          |       |        |             |       |           |         | Wind backing all around              | 8                                                                                                                 |       |     |       |        |             |       |           |                                    |                           |
| 9                                                                                                                 |    |          |       |        |             |       |           |         |                                      | 9                                                                                                                 |       |     |       |        |             |       |           |                                    |                           |
| 10                                                                                                                |    |          |       |        |             |       |           |         | at 11 Pm Tackled a ship              | 10                                                                                                                |       |     |       |        |             |       |           | at 7 Pm set the far guller         |                           |
| 11                                                                                                                | 5  | N.N.W    | WNW   |        |             |       |           |         | Heading by compass S W & S           | 11                                                                                                                |       |     |       |        |             |       |           | sail                               |                           |
| 12                                                                                                                | 7  | SW 1/2 S | WNW   |        |             |       |           |         | Light Wind from WNW has              | 12                                                                                                                | 13    | WNW | SSW   | 1/2    |             |       |           | at 8 Pm Wind increasing from       |                           |
| 1                                                                                                                 |    |          |       |        |             |       |           |         | Lights and Lookouts at anchor        | 1                                                                                                                 |       |     |       |        |             |       |           | SSW at 12 Pm a strong Wind         |                           |
| 2                                                                                                                 |    |          |       |        |             |       |           |         | to also ships Duties                 | 2                                                                                                                 |       |     |       |        |             |       |           | and here Westerly SW Wall at       |                           |
| 3                                                                                                                 |    |          |       |        |             |       |           |         |                                      | 3                                                                                                                 |       |     |       |        |             |       |           | 2 am stand for the guller          |                           |
| 4                                                                                                                 | 12 | SW 1/2 S | WNW   |        |             |       |           |         | at 4 am Light Wind With              | 4                                                                                                                 | 30    | WxN | SSW   | 1/2    |             |       |           | sail Wind increasing from SSW      |                           |
| 5                                                                                                                 |    |          |       |        |             |       |           |         | Light Rain driving Wind              | 5                                                                                                                 |       |     |       |        |             |       |           | at 5 am stand fly job a            |                           |
| 6                                                                                                                 |    |          |       |        |             |       |           |         | Backing all around the camp          | 6                                                                                                                 |       |     |       |        |             |       |           | stiff Breeze                       |                           |
| 7                                                                                                                 |    |          |       |        |             |       |           |         |                                      | 7                                                                                                                 |       |     |       |        |             |       |           | at 8 am ships Duties at anchor     |                           |
| 8                                                                                                                 |    |          |       |        |             |       |           |         | at 9 am Tackled ship again           | 8                                                                                                                 | 35    | WxN | SSW   | 1/2    |             |       |           | to strong Breeze and here With     |                           |
| 9                                                                                                                 | 13 | SW 1/2 S | WNW   |        |             |       |           |         | Light Wind and Clear ship            | 9                                                                                                                 |       |     |       |        |             |       |           | Light Rain                         |                           |
| 10                                                                                                                |    |          |       |        |             |       |           |         | Duties at anchor to                  | 10                                                                                                                |       |     |       |        |             |       |           |                                    |                           |
| 11                                                                                                                |    |          |       |        |             |       |           |         | at 12 o'clock Obs at anchor          | 11                                                                                                                |       |     |       |        |             |       |           | at 12 am a strong Wind With        |                           |
| 12                                                                                                                | 14 | WxN      | WNW   |        |             |       |           |         | this ends this Day 18 of April       | 12                                                                                                                | 39    | WxN | SSW   | 1/2    |             |       |           | Rain at intervals & squally ends   |                           |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |          |       |        |             |       |           |         |                                      | Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |       |     |       |        |             |       |           |                                    |                           |
| N 58 W Dis 20 10' N 17° 39' 34' N 38° 42' N 17° E 22' 136° 26' 136° 40'                                           |    |          |       |        |             |       |           |         |                                      | N 58 W 160 miles 1° 24' N 151.0 43° 42' N 43° 22' N 17° E 3° 26' W 141° 22' W 141° 22' W                          |       |     |       |        |             |       |           |                                    |                           |

## Journal from San Francisco towards Bristol Bay

## Journal from San Francisco towards Bristol Bay

| H K F   |           |               | COURSES     | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS                           | H K F  |          |               | COURSES   | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS                             |  |
|---------|-----------|---------------|-------------|--------------|-------------|-------------|---------------|--------------|-----------------------------------|--------|----------|---------------|-----------|--------------|-------------|-------------|---------------|--------------|-------------------------------------|--|
|         |           |               |             |              |             | Air         | Water         |              |                                   |        |          |               |           |              |             | Air         | Water         |              |                                     |  |
|         |           |               |             |              |             |             |               |              | This 21 day of April 1910         |        |          |               |           |              |             |             |               |              | This 23 day of April                |  |
| 1       |           |               |             |              |             |             |               |              | at 2 Pm Wind moderating           | 1      |          |               |           |              |             |             |               |              | at 4 Pm Light Wind at               |  |
| 2       |           |               |             |              |             |             |               |              | sat the spraker main d'gah        | 2      |          |               |           |              |             |             |               |              | Interval squally With sea           |  |
| 3       |           |               |             |              |             |             |               |              | falling sail                      | 3      |          |               |           |              |             |             |               |              | at 6 Pm started the Light sail      |  |
| 4       | 17        |               | NNE         | Calme        | 1/2         |             |               |              | at 4 Pm Calme and Flow to         | 4      | 19       |               | SW        | NW           | 1/2         |             |               |              | pumps Lights and Lookouts           |  |
| 5       |           |               |             |              |             |             |               |              | sea Running foggy With Light      | 5      |          |               |           |              |             |             |               |              | at stand at the                     |  |
| 6       |           |               |             |              |             |             |               |              | Rayon ships head NNE              | 6      |          |               |           |              |             |             |               |              |                                     |  |
| 7       |           |               |             |              |             |             |               |              |                                   | 7      |          |               |           |              |             |             |               |              |                                     |  |
| 8       | 14        |               | WSW         |              | 1/2         |             |               |              | at 5 Pm Tackit ship Wind          | 8      | 23       |               | SW 1/2 S  | NW           | 1/2         |             |               |              | at 11:30 Pm Tackit ship Light       |  |
| 9       |           |               |             |              |             |             |               |              | Reynishaling to NW a base sea     | 9      |          |               |           |              |             |             |               |              | Wind and squally at intervals       |  |
| 10      |           |               |             |              |             |             |               |              | Running from the Western          | 10     |          |               |           |              |             |             |               |              | sea Lights pumps and Lookouts       |  |
| 11      |           |               |             |              |             |             |               |              | at 6 Pm pumps Lights and          | 11     |          |               |           |              |             |             |               |              | at stand at the                     |  |
| 12      | 12        |               | SW 1/2 W NW |              | 1/2         |             |               |              | Lookouts at stand at the          | 12     | 16       |               | SW 1/2 S  | NW           | 1/2         |             |               |              |                                     |  |
| 1       |           |               |             |              |             |             |               |              |                                   | 1      |          |               |           |              |             |             |               |              |                                     |  |
| 2       |           |               |             |              |             |             |               |              | at 12 Pm sat the far and          | 2      |          |               |           |              |             |             |               |              | at 5 am Tackit ship again           |  |
| 3       |           |               |             |              |             |             |               |              | main Ryb Wind moderat             | 3      |          |               |           |              |             |             |               |              | Being squally at intervals          |  |
| 4       | 19        |               | West        | North        | 1/2         |             |               |              | haling Toward NE                  | 4      |          |               |           |              |             |             |               |              | sea ships head NE Lights            |  |
| 5       |           |               |             |              |             |             |               |              |                                   | 5      | 37       |               | NE 1/2 N  | NW           | 1/2         |             |               |              | and Lookouts at stand at the        |  |
| 6       |           |               |             |              |             |             |               |              | at 4 am Light Wind and he         | 6      |          |               |           |              |             |             |               |              |                                     |  |
| 7       |           |               |             |              |             |             |               |              | With light Rayon                  | 7      |          |               |           |              |             |             |               |              |                                     |  |
| 8       | 24        |               | W 1/2 N     | NE           | 1/2         |             |               |              | at 8 am Wind Tackling from        | 8      | 17       |               | SW        | NW           | 1/2         |             |               |              | at 8 am still Being Light           |  |
| 9       |           |               |             |              |             |             |               |              | NE ships Duties at stand at the   | 9      |          |               |           |              |             |             |               |              | Wind and squally ships Duties       |  |
| 10      |           |               |             |              |             |             |               |              | at 12 o'clock Obs at stand at the | 10     |          |               |           |              |             |             |               |              | at stand at the also observation at |  |
| 11      |           |               |             |              |             |             |               |              |                                   | 11     |          |               |           |              |             |             |               |              | 8 o'clock                           |  |
| 12      | 27        |               | W 1/2 N     | NE           | 4           |             |               |              | End of the Day 10 Days Out        | 12     | 20       |               | SW        | NW           | 1/2         |             |               |              | at 12 o'clock Light Wind an squally |  |
|         |           |               |             |              |             |             |               |              |                                   |        |          |               |           |              |             |             |               |              |                                     |  |
| Course  | Distance  | Diff. of Lat. | Departure   | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                       | Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                         |  |
| N 58° W | 102 miles | 37'           | 94'         | 44° 19' N    | 44° 59' N   | 17° E       | 2° 11' W      | 143° 33' W   | 143° 27' W                        | 64° W  | 58 miles | 25'           | 52' W     | 44° 45' N    | 44° 56' N   | 20° E       | 1° 13' W      | 148° 13' W   | 148° 27' W                          |  |

| H K F   |           |               | COURSES  | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS                               | H K F  |          |               | COURSES   | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS                                 |  |
|---------|-----------|---------------|----------|--------------|-------------|-------------|---------------|--------------|---------------------------------------|--------|----------|---------------|-----------|--------------|-------------|-------------|---------------|--------------|-----------------------------------------|--|
|         |           |               |          |              |             | Air         | Water         |              |                                       |        |          |               |           |              |             | Air         | Water         |              |                                         |  |
|         |           |               |          |              |             |             |               |              | 22 day of April                       |        |          |               |           |              |             |             |               |              | This 24 day of April 1910               |  |
| 1       |           |               |          |              |             |             |               |              | at 4 Pm a moderat Wind                | 1      |          |               |           |              |             |             |               |              | at 4 Pm Tackit ship Light               |  |
| 2       |           |               |          |              |             |             |               |              | from NE and Clouds                    | 2      |          |               |           |              |             |             |               |              | Wind from NW ships head SW 1/2 S        |  |
| 3       |           |               |          |              |             |             |               |              |                                       | 3      |          |               |           |              |             |             |               |              |                                         |  |
| 4       | 32        |               | W 1/2 N  | NE           | 1/2         |             |               |              | at 6 Pm pumps Lights and              | 4      | 27       |               | SW 1/2 S  | NW           | 1/2         |             | 30.710        |              | at 6 Pm pumps Lights and                |  |
| 5       |           |               |          |              |             |             |               |              | Lookouts at stand at the still        | 5      |          |               |           |              |             |             |               |              | Lookouts at stand at the also ships     |  |
| 6       |           |               |          |              |             |             |               |              | a moderat Brise from NE               | 6      |          |               |           |              |             |             |               |              | Duties                                  |  |
| 7       |           |               |          |              |             |             |               |              | Being app alth light sail             | 7      |          |               |           |              |             |             |               |              |                                         |  |
| 8       | 38        |               | W 1/2 S  | NE           | 1/2         |             |               |              | sat ships heads W 1/2 S               | 8      |          |               |           |              |             |             |               |              |                                         |  |
| 9       |           |               |          |              |             |             |               |              |                                       | 9      | 19       |               | NE 1/2 N  | NW           | 1/2         |             |               |              | at 9 Pm Tackit ship Wind                |  |
| 10      |           |               |          |              |             |             |               |              | at 12 Pm a Light Wind from            | 10     |          |               |           |              |             |             |               |              | Bathing on 4 Paints Being Light         |  |
| 11      |           |               |          |              |             |             |               |              | N.W. an clear Lights and              | 11     |          |               |           |              |             |             |               |              | at Intervals With Light squally         |  |
| 12      | 32        |               | SW 1/2 W | North        | 1/2         |             |               |              | Lookouts at stand at the              | 12     | 6        |               | SSW       | NW           | 1/2         |             |               |              | from NW                                 |  |
| 1       |           |               |          |              |             |             |               |              |                                       | 1      |          |               |           |              |             |             |               |              |                                         |  |
| 2       |           |               |          |              |             |             |               |              | at 4 am still a light Wind            | 2      |          |               |           |              |             |             |               |              | at 12 Pm Calm Lights and                |  |
| 3       |           |               |          |              |             |             |               |              | from NW Lights and Look               | 3      |          |               |           |              |             |             |               |              | Lookouts at stand at the                |  |
| 4       | 26        |               | SW       | N.W.         | 1/2         |             |               |              | at stand at the also ships Du         | 4      |          |               |           |              |             |             |               |              |                                         |  |
| 5       |           |               |          |              |             |             |               |              | at 6 am                               | 5      |          |               |           |              |             |             |               |              |                                         |  |
| 6       |           |               |          |              |             |             |               |              | at 8 am a maining fight               | 6      |          |               |           |              |             |             |               |              |                                         |  |
| 7       |           |               |          |              |             |             |               |              | at stand at the also ships Duties     | 7      |          |               |           |              |             |             |               |              |                                         |  |
| 8       | 18        |               | S.W.     | NW           | 1/2         |             |               |              |                                       | 8      | 17       |               | WNW       | SE           | 20          |             | 30.710        |              | at 8 am a Light Brise from              |  |
| 9       |           |               |          |              |             |             |               |              | at 12 am Obs at stand at the          | 9      |          |               |           |              |             |             |               |              | SE With Light Rayon Obs at stand at the |  |
| 10      |           |               |          |              |             |             |               |              | Light Wind an clear ships             | 10     |          |               |           |              |             |             |               |              | the also ships Duties                   |  |
| 11      |           |               |          |              |             |             |               |              | at stand at the this ends this 23 day | 11     |          |               |           |              |             |             |               |              |                                         |  |
| 12      | 16        |               | SW       | NW           | 1/2         |             |               |              | April 11 Days Out also Wal            | 12     | 18       |               | WNW       | SE           | 20          |             |               |              | at 12 am Wind gradually in being        |  |
|         |           |               |          |              |             |             |               |              |                                       |        |          |               |           |              |             |             |               |              |                                         |  |
| Course  | Distance  | Diff. of Lat. | Depart   | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                           | Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                             |  |
| S 85° W | 152 miles | 135'          | 181' W   | 44° 44' N    | 45° 10' N   | 20° E       | 3° 30' W      | 146° 57' W   | 147° 11' W                            | 84° W  | 57 miles | 3' N          | 36° W     | 44° 59' N    | 45° 12' N   | 20° E       | 50' W         | 149° 17' W   | 149° 28' W                              |  |

## Journal from San Francisco towards Bristol Bay

## Journal from San Francisco towards Bristol Bay

| H  | K  | F | COURSES                                | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                            |
|----|----|---|----------------------------------------|-------|--------|--------------------------|-----------|------------------------------------|
|    |    |   |                                        |       |        |                          |           | This 25 <sup>th</sup> day of April |
| 1  |    |   |                                        |       |        |                          |           | at 4 P.M. a light Wind             |
| 2  |    |   |                                        |       |        |                          |           | from S.E. and breeze with Light    |
| 3  |    |   |                                        |       |        |                          |           | Rayen Drilling                     |
| 4  | 24 |   | NW $\frac{1}{2}$ W $\frac{1}{4}$ W S E |       |        |                          | 30.70     | at 6 P.M. pumps Light and          |
| 5  |    |   |                                        |       |        |                          |           | lookout at anchor the ships        |
| 6  |    |   |                                        |       |        |                          |           | ships Duties (various) Wind        |
| 7  |    |   |                                        |       |        |                          |           | althru the Watch                   |
| 8  | 17 |   | NW $\frac{1}{2}$ W $\frac{1}{4}$ W S E |       |        |                          |           | at 12 P.M. Light Breeze from       |
| 9  |    |   |                                        |       |        |                          |           | S.E. Light and Lookout stands      |
| 10 |    |   |                                        |       |        |                          |           | the                                |
| 11 | 17 |   | NW $\frac{1}{2}$ W $\frac{1}{4}$ W S E |       |        |                          |           | at 4 am. Partly Calm. S.           |
| 12 |    |   |                                        |       |        |                          |           | hold Watch and breeze with         |
| 1  |    |   |                                        |       |        |                          |           | Light Drilling of Rayen            |
| 2  | 2  |   | NW $\frac{1}{2}$ W $\frac{1}{4}$ W S E |       |        |                          |           | at 8 am. Calm the hold             |
| 3  |    |   |                                        |       |        |                          |           | Watch althru and foggy             |
| 4  |    |   |                                        |       |        |                          |           | with Light Drilling Rayen          |
| 5  |    |   |                                        |       |        |                          |           | at 12 am. Calm and foggy           |
| 6  |    |   |                                        |       |        |                          |           | the hold Watch ships Duties        |
| 7  |    |   |                                        |       |        |                          |           | at anchor the 14 Days out. End     |
| 8  |    |   |                                        |       |        |                          |           | of the Day                         |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|--------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| N 47 W | 70 miles | 47 N          | 51 W      | 45° 57'      |             | 20° E     | 1° 13' W      | 150° 41' W   |             |

| H  | K  | F | COURSES                                | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                 |
|----|----|---|----------------------------------------|-------|--------|--------------------------|-----------|-----------------------------------------|
|    |    |   |                                        |       |        |                          |           | This 26 <sup>th</sup> day of April 1910 |
| 1  |    |   |                                        |       |        |                          |           | at 4 P.M. Light Wind from               |
| 2  |    |   |                                        |       |        |                          |           | S.E. and foggy fog Whistle str.         |
| 3  |    |   |                                        |       |        |                          |           | at anchor the also ships Duties         |
| 4  | 8  |   | NW $\frac{1}{2}$ W $\frac{1}{4}$ W S E |       |        |                          |           | at 6 P.M. pumps Light and               |
| 5  |    |   |                                        |       |        |                          |           | Lookout at anchor the Lookout           |
| 6  |    |   |                                        |       |        |                          |           | Drilling at anchor the During fog       |
| 7  |    |   |                                        |       |        |                          |           | at 8 P.M. still a Light Wind            |
| 8  | 14 |   | NW $\frac{1}{2}$ W $\frac{1}{4}$ W S E |       |        |                          |           | from S.E. and foggy with                |
| 9  |    |   |                                        |       |        |                          |           | light Rayen                             |
| 10 |    |   |                                        |       |        |                          |           | at 9 P.M. seat the spanker              |
| 11 |    |   |                                        |       |        |                          |           | and gale tap sail                       |
| 12 | 25 |   | NW $\frac{1}{2}$ W $\frac{1}{4}$ W S E |       |        |                          |           | at 12 P.M. Wind gradually               |
| 1  |    |   |                                        |       |        |                          |           | increasing with Rayen and               |
| 2  |    |   |                                        |       |        |                          |           | mist at 1 P.M. stood the gale           |
| 3  |    |   |                                        |       |        |                          |           | tap sail at 5:00 am. toward D.          |
| 4  | 34 |   | NW $\frac{1}{2}$ W $\frac{1}{4}$ W S E |       |        |                          |           | the spanker Wind gradually              |
| 5  |    |   |                                        |       |        |                          |           | increasing from S.E.                    |
| 6  |    |   |                                        |       |        |                          |           | at 8 am. a moderate Breeze from         |
| 7  |    |   |                                        |       |        |                          |           | S.E. and Light Rayen                    |
| 8  | 39 |   | WNW S E                                |       |        |                          |           | at 12 am. Light Wind and fog            |
| 9  |    |   |                                        |       |        |                          |           | fog harn strikingly at anchor the       |
| 10 |    |   |                                        |       |        |                          |           | 15 Days out                             |
| 11 |    |   |                                        |       |        |                          |           |                                         |
| 12 | 33 |   | WNW S E                                |       |        |                          |           |                                         |

| Course | Distance  | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|--------|-----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| N 48 W | 160 miles | 1° 40' N      | 115 W     | 47° 39' W    |             | 20° E     | 2° 46' W      | 153° 29' W   |             |

| H  | K  | F | COURSES   | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                 |
|----|----|---|-----------|-------|--------|--------------------------|-----------|-----------------------------------------|
|    |    |   |           |       |        |                          |           | This 27 <sup>th</sup> day of April 1910 |
| 1  |    |   |           |       |        |                          |           | at 4 P.M. on board this                 |
| 2  |    |   |           |       |        |                          |           | ship star of india Bury                 |
| 3  |    |   |           |       |        |                          |           | a Light Wind and foggy                  |
| 4  | 25 |   | WNW S E   |       |        |                          |           | fog harn strikingly at anchor the       |
| 5  |    |   |           |       |        |                          |           | also ships Duties ships head            |
| 6  |    |   |           |       |        |                          |           | on the Course WNW Wind S E              |
| 7  |    |   |           |       |        |                          |           | also Wall                               |
| 8  | 23 |   | WNW S E   |       |        |                          |           | at 12 P.M. a Light Wind from            |
| 9  |    |   |           |       |        |                          |           | SSE with fog and Light Rayen            |
| 10 |    |   |           |       |        |                          |           | fog harn strikingly at anchor the       |
| 11 |    |   |           |       |        |                          |           | and the Lookout                         |
| 12 | 24 |   | WNW S S E |       |        |                          |           | at 4 am. still Baling from              |
| 1  |    |   |           |       |        |                          |           | SSE to SW with Light Wind               |
| 2  |    |   |           |       |        |                          |           | and foggy at anchor the                 |
| 3  |    |   |           |       |        |                          |           | 24 hrs fog harn strikingly              |
| 4  | 22 |   | WNW S S E |       |        |                          |           | at anchor the                           |
| 5  |    |   |           |       |        |                          |           |                                         |
| 6  |    |   |           |       |        |                          |           |                                         |
| 7  |    |   |           |       |        |                          |           |                                         |
| 8  | 17 |   | WNW S S E |       |        |                          |           | at 12 at noon still Bury                |
| 9  |    |   |           |       |        |                          |           | foggy. No Obs observed the              |
| 10 |    |   |           |       |        |                          |           | and the 24 hrs 16 Days out              |
| 11 |    |   |           |       |        |                          |           |                                         |
| 12 | 16 |   | WNW S W   |       |        |                          |           |                                         |

| Course | Distance  | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|--------|-----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| N 42 W | 140 miles | 1° 21' N      | 27 W      | 49° 08'      |             | 20° E     | 2° 26' W      | 153° 56' W   |             |

| H  | K  | F | COURSES                                | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                 |
|----|----|---|----------------------------------------|-------|--------|--------------------------|-----------|-----------------------------------------|
|    |    |   |                                        |       |        |                          |           | This 28 <sup>th</sup> day of April 1910 |
| 1  |    |   |                                        |       |        |                          |           | at 4 P.M. Light Wind and                |
| 2  |    |   |                                        |       |        |                          |           | foggy with haze S.W. swell              |
| 3  |    |   |                                        |       |        |                          |           | fog harn strikingly at anchor the       |
| 4  | 14 |   | NW $\frac{1}{2}$ N S S W $\frac{1}{2}$ |       |        |                          |           | also ships Duties                       |
| 5  |    |   |                                        |       |        |                          |           | Falling at 8 P.M. still a light Wind    |
| 6  |    |   |                                        |       |        |                          |           | 29.70 and fog with haze S.W. swell      |
| 7  |    |   |                                        |       |        |                          |           | pumps Light and fog harn                |
| 8  | 12 |   | NW $\frac{1}{2}$ N S S W $\frac{1}{2}$ |       |        |                          |           | strikingly at anchor the                |
| 9  |    |   |                                        |       |        |                          |           | at 12 P.M. Wind Baling from             |
| 10 |    |   |                                        |       |        |                          |           | SSE to SW Bury foggy with haze          |
| 11 |    |   |                                        |       |        |                          |           | S.W. swell Burying                      |
| 12 | 15 |   | NW $\frac{1}{2}$ N S W $\frac{1}{2}$   |       |        |                          |           | at 8 am. Wind baling to SSE             |
| 1  |    |   |                                        |       |        |                          |           | fog baling in from S.W. still           |
| 2  |    |   |                                        |       |        |                          |           | with haze swell from SW                 |
| 3  |    |   |                                        |       |        |                          |           | fog harn strikingly at anchor the       |
| 4  | 16 |   | N W S W $\frac{1}{2}$                  |       |        |                          |           | at noon Light Wind and foggy            |
| 5  |    |   |                                        |       |        |                          |           | haze swell from SW ships                |
| 6  |    |   |                                        |       |        |                          |           | Duties at anchor the and 18 Days out    |
| 7  |    |   |                                        |       |        |                          |           |                                         |
| 8  | 12 |   | W $\frac{1}{2}$ N S S E $\frac{1}{2}$  |       |        |                          |           |                                         |
| 9  |    |   |                                        |       |        |                          |           |                                         |
| 10 |    |   |                                        |       |        |                          |           |                                         |
| 11 |    |   |                                        |       |        |                          |           |                                         |
| 12 | 14 |   | WNW S S W $\frac{1}{2}$                |       |        |                          |           |                                         |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|--------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| N 28 W | 80 miles | 1° 10' N      | 37 W      | 50° 43' W    |             | 20° E     | 59' W         | 156° 52' W   |             |

## Journal from San Francisco towards Bristol Bay

| H  | K  | F | COURSES  | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                            |
|----|----|---|----------|-------|--------|-------------|-------|-----------|------------------------------------|
|    |    |   |          |       |        | Air         | Water |           |                                    |
|    |    |   |          |       |        |             |       |           | This 29 day of April 1910          |
| 1  |    |   |          |       |        |             |       |           | at 4 P.m. a Light Wind             |
| 2  |    |   |          |       |        |             |       |           | from S.W. ships head <del>at</del> |
| 3  |    |   |          |       |        |             |       |           | at 4 P.m. a Light Wind             |
| 4  | 18 |   | NW 1/2 W | S.W.  | 1/2    |             |       | 30.10     | from S.W. ships head <del>at</del> |
| 5  |    |   |          |       |        |             |       |           | and ships Duties stand at          |
| 6  |    |   |          |       |        |             |       |           | at 6 P.m. Light Wind and           |
| 7  |    |   |          |       |        |             |       |           | foggy pumps Lights and foghorn     |
| 8  | 20 |   | WxN      | SSW   | 1/2    |             |       |           | stand at the                       |
| 9  |    |   |          |       |        |             |       |           | at 8 P.m. still Light Wind         |
| 10 |    |   |          |       |        |             |       |           | and fog foghorn shrilly            |
| 11 |    |   |          |       |        |             |       |           | stand at the                       |
| 12 | 23 |   | WxN      | SSW   | 1/2    |             |       |           | at 12 P.m. fog madrat and          |
| 1  |    |   |          |       |        |             |       |           | Wind having turned S.E. ships      |
| 2  |    |   |          |       |        |             |       |           | head on course WxN Lights and      |
| 3  |    |   |          |       |        |             |       |           | lookout stand at the               |
| 4  | 17 |   | WxN      | SE    | 1/2    |             |       |           | at 4 P.m. a Light Wind from        |
| 5  |    |   |          |       |        |             |       |           | S.E. with Rain and fog ships       |
| 6  |    |   |          |       |        |             |       |           | head WxN at 8 still foggy          |
| 7  |    |   |          |       |        |             |       |           | with falling toward S.W.           |
| 8  | 17 |   | WxN      | SE    | 1/2    |             |       |           | at 12 P.m. Light Wind at Entenals  |
| 9  |    |   |          |       |        |             |       |           | foggy Obs stand at the 18 Days old |
| 10 |    |   |          |       |        |             |       |           |                                    |
| 11 |    |   |          |       |        |             |       |           |                                    |
| 12 | 21 |   | WxN      | S.W.  | 1/2    |             |       |           |                                    |

| Course | Distance  | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|--------|-----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| N 53 W | 115 miles | 1° 9' N       | 91' W     | 51° 52' N    | 52° 39' N   | 20° E     | 2° 25' W      | 159° 17' W   | 158° 10' W  |

| H                         | K  | F | COURSES        | WINDS | LEEWAY           | Thermometer |  | Barometer | REMARKS                          |
|---------------------------|----|---|----------------|-------|------------------|-------------|--|-----------|----------------------------------|
| This 30 day of April 1910 |    |   |                |       |                  |             |  |           |                                  |
| 1                         |    |   |                |       |                  |             |  |           | at 4 P.m. at ship a Light Wind   |
| 2                         |    |   |                |       |                  |             |  |           | from S.W. With fog at Enternals  |
| 3                         |    |   |                |       |                  |             |  |           | Chase ships head WxN ships       |
| 4                         | 9  |   | WxN            | S.W.  | 1/2              |             |  |           | falling Duties stand at the      |
| 5                         |    |   |                |       |                  |             |  |           | at 6 P.m. still a light Wind and |
| 6                         |    |   |                |       |                  |             |  |           | foggy pumps Lights and           |
| 7                         |    |   |                |       |                  |             |  |           | fog horn stand at the also ships |
| 8                         | 11 |   | NW 1/2 W       | SW    | 1/2              |             |  |           | Duties                           |
| 9                         |    |   |                |       |                  |             |  |           | at 8 P.m. Wind Very Light and    |
| 10                        |    |   |                |       |                  |             |  |           | have smooth sea Lights and       |
| 11                        |    |   |                |       |                  |             |  |           | lookout stand at the             |
| 12                        |    |   | ships head WxN | Calm  | at the the Watch |             |  |           |                                  |
| 1                         |    |   |                |       |                  |             |  |           |                                  |
| 2                         |    |   |                |       |                  |             |  |           |                                  |
| 3                         |    |   |                |       |                  |             |  |           |                                  |
| 4                         |    |   |                |       |                  |             |  |           |                                  |
| 5                         |    |   |                |       |                  |             |  |           | at 8 a.m. Bring Calm the         |
| 6                         |    |   |                |       |                  |             |  |           | hold Light Fog at the            |
| 7                         |    |   |                |       |                  |             |  |           | and foggy at Enternals           |
| 8                         |    |   |                |       |                  |             |  |           |                                  |
| 9                         |    |   |                |       |                  |             |  |           | at 12 a.m. Observation stand     |
| 10                        |    |   |                |       |                  |             |  |           | the also ships Duties at the the |
| 11                        |    |   |                |       |                  |             |  |           | Watch End of the Day 19 Days old |
| 12                        | 10 |   | West           | East  |                  |             |  |           |                                  |

| Course | Distance | Diff. of Lat. | Depart | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|--------|----------|---------------|--------|--------------|-------------|-----------|---------------|--------------|-------------|
| N 53 W | 98 miles | 21' N         | 31' W  | 53 N         | 53 13 N     | 20 E      | 3 1 W         | 159 1 W      | 158 38 W    |

## Journal from San Francisco towards Bristol Bay

| H      | K        | F             | COURSES   | WINDS         | LEEWAY       | Thermometer |               | Barometer     | REMARKS                                   |
|--------|----------|---------------|-----------|---------------|--------------|-------------|---------------|---------------|-------------------------------------------|
|        |          |               |           |               |              | Air         | Water         |               |                                           |
|        |          |               |           |               |              |             |               |               | This 1st day of May 1910                  |
| 1      |          |               |           |               |              |             |               |               |                                           |
| 2      |          |               |           |               |              |             |               |               |                                           |
| 3      |          |               |           |               |              |             |               |               |                                           |
| 4      | 19       |               | W 1/2 S   | SE            | —            |             |               |               | at 4 P.m. Light Breeze from               |
| 5      |          |               |           |               |              |             |               |               | SE with a gradual increase                |
| 6      |          |               |           |               |              |             |               |               | and Claude Hariden ships                  |
| 7      |          |               |           |               |              |             |               |               | Duties stand at the                       |
| 8      | 27       |               | W 1/2 S   | SE            | —            |             |               |               | at 6 P.m. pumps Lights and                |
| 9      |          |               |           |               |              |             |               |               | and lookout stand at the                  |
| 10     |          |               |           |               |              |             |               |               |                                           |
| 11     |          |               |           |               |              |             |               |               | at 8 P.m. still a moderate                |
| 12     | 33       |               | W 1/2 S   | SE            | —            |             |               |               | Breeze from SE and Claude                 |
| 1      |          |               |           |               |              |             |               |               | ships head by standard                    |
| 2      |          |               |           |               |              |             |               |               | compass W 1/2 S Course                    |
| 3      |          |               |           |               |              |             |               |               |                                           |
| 4      | 38       |               | W 1/2 S   | SE            |              |             |               |               | at 12 P.m. Wind gradually in              |
| 5      |          |               |           |               |              |             |               |               | Rising from NE with Rain                  |
| 6      |          |               |           |               |              |             |               |               | in North Watch stand the Light            |
| 7      |          |               |           |               |              |             |               |               | sails and fog horn sail at                |
| 8      | 35       |               | W 1/2 S   | East          |              |             |               |               | 8 a.m. Back yards to and                  |
| 9      |          |               |           |               |              |             |               |               | took soundings fathoms 28 fathoms         |
| 10     |          |               |           |               |              |             |               |               | of water and Gray sand when               |
| 11     |          |               |           |               |              |             |               |               | at Bottom Wind moderate and tick          |
| 12     | 37       |               | W 1/2 S   | East          |              |             |               |               | at 11 P.m. sighted land on Starboard side |
|        |          |               |           |               |              |             |               |               | at 12 P.m. have in on Port side ships     |
|        |          |               |           |               |              |             |               |               | head SE took fog 10 Days old              |
| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Obs. | Variation   | Diff. of Lon. | Lon. by D. R. | Lon. by Obs.                              |

| Course | Distance  | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|--------|-----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| N 75 W | 182 miles | 49' N         | 175' W    | 54° 0' N     |             | 18 E      | 4° 50' W      | 163° 50' W   |             |

| H  | K  | F | COURSES | WINDS | LEEWAY    | Thermometer |       | Barometer | REMARKS                             |
|----|----|---|---------|-------|-----------|-------------|-------|-----------|-------------------------------------|
|    |    |   |         |       |           | Air         | Water |           |                                     |
|    |    |   |         |       |           |             |       |           | This <sup>2nd</sup> day of May 1910 |
| 1  |    |   |         |       |           |             |       |           |                                     |
| 2  |    |   |         |       |           |             |       |           |                                     |
| 3  |    |   |         |       |           |             |       |           |                                     |
| 4  | 15 |   | SE      | NE    | 1/2 Point |             |       |           | at 4 P.m. Breeze by Calculation     |
| 5  |    |   |         |       |           |             |       |           | falling in the Antelope of us make  |
| 6  |    |   |         |       |           |             |       |           | Low                                 |
| 7  |    |   |         |       |           |             |       |           | took soundings 10 fathoms           |
| 8  |    |   |         |       |           |             |       |           | Triguanley at Entenals of           |
| 9  |    |   |         |       |           |             |       |           | at 2 or 3 fathoms is found          |
| 10 |    |   |         |       |           |             |       |           | 42 fathoms water of the Bottom      |
| 11 |    |   |         |       |           |             |       |           | gray sand and Black shales          |
| 12 |    |   |         |       |           |             |       |           | ships head SE Calm and              |
| 1  |    |   |         |       |           |             |       |           | a new SW ball running               |
| 2  |    |   |         |       |           |             |       |           |                                     |
| 3  |    |   |         |       |           |             |       |           |                                     |
| 4  | 11 |   | SE      | SW    | 1/2       |             |       |           | at 9 P.m. Tackit ship and stand     |
| 5  |    |   |         |       |           |             |       |           | alt. ships head SE Clouds and       |
| 6  |    |   |         |       |           |             |       |           | mist. Wind Light Lights and         |
| 7  |    |   |         |       |           |             |       |           | back at anchor at the               |
| 8  |    |   |         |       |           |             |       |           | at 4 am tackit ship and stand       |
| 9  | 6  |   | SE      | SW    | 1/2       |             |       |           | in fog Clouds uppe still Clouds     |
| 10 |    |   |         |       |           |             |       |           | Wind Light from SW. smooth          |
| 11 |    |   |         |       |           |             |       |           | at 9 am tackit ship and take        |
| 12 |    |   |         |       |           |             |       |           | soundings 48 fathoms of water       |
| 1  |    |   |         |       |           |             |       |           | and gray sand Wind moderate         |
| 2  |    |   |         |       |           |             |       |           | at 12 O'cl stand at the and also    |
| 3  |    |   |         |       |           |             |       |           | ships Tackit from noon till noon    |
| 4  | 26 |   | NW      | SW    | 1/2       |             |       |           | End of the Day 21 Days out          |
| 5  |    |   |         |       |           |             |       |           |                                     |
| 6  |    |   |         |       |           |             |       |           |                                     |
| 7  |    |   |         |       |           |             |       |           |                                     |
| 8  |    |   |         |       |           |             |       |           |                                     |
| 9  |    |   |         |       |           |             |       |           |                                     |
| 10 |    |   |         |       |           |             |       |           |                                     |
| 11 |    |   |         |       |           |             |       |           |                                     |
| 12 | 13 |   | South   | WSW   | 1/2       |             |       |           |                                     |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|--------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| N 19 W | 13 miles | 13' S         | 2' W      | 53° 30' N    | 53° 12' N   | 18 E      | 3' W          | 163° 57' W   | 164° 01' W  |

## Journal from San Francisco towards Bristol Bay

## Journal from San Francisco towards Bristol Bay

| H       | K        | F             | COURSES   | WINDS        | LEEWAY      | Thermometer<br>Air Water | Barometer     | REMARKS      | This 3 <sup>rd</sup> day of May 1910 | H                             | K        | F             | COURSES   | WINDS         | LEEWAY      | Thermometer<br>Air Water | Barometer     | REMARKS      | This 5 <sup>th</sup> day of May 1910 |
|---------|----------|---------------|-----------|--------------|-------------|--------------------------|---------------|--------------|--------------------------------------|-------------------------------|----------|---------------|-----------|---------------|-------------|--------------------------|---------------|--------------|--------------------------------------|
| 1       |          |               |           |              |             |                          |               |              | at 4 Pm a moderate Breeze            | 1                             |          |               |           |               |             |                          |               |              | at 4 Pm. Light Wind from             |
| 2       |          |               |           |              |             |                          |               |              | from WNW ships head SSW              | 2                             |          |               |           |               |             |                          |               |              | SW ships head NNE                    |
| 3       |          |               |           |              |             |                          |               |              | Raymond out side the Pass waiting    | 3                             |          |               |           |               |             |                          |               |              | Course along the shore sight         |
| 4       | 16       |               | S.S.W.    | WNW          | 1/2         |                          |               |              | for Change of Wind to get thru       | 4                             | 27       |               | NNE       | SW            | —           |                          |               |              | Lee Down to Lowland old land         |
| 5       |          |               |           |              |             |                          |               |              |                                      | 5                             |          |               |           |               |             |                          |               |              | one Warred sighted ahead             |
| 6       |          |               |           |              |             |                          |               |              | at 8 Pm Tackit ship and              | 6                             |          |               |           |               |             |                          |               |              | on same course                       |
| 7       |          |               |           |              |             |                          |               |              | head in for the hold                 | 7                             |          |               |           |               |             |                          |               |              |                                      |
| 8       |          |               |           |              |             |                          |               |              |                                      | 8                             | 19       |               | NE x N    | SW            | —           |                          |               |              | at 8 Pm. Light Wind and              |
| 9       |          |               |           |              |             |                          |               |              | at 10 Pm sighted the Seaths          | 9                             |          |               |           |               |             |                          |               |              | Char Lights and look out             |
| 10      |          |               |           |              |             |                          |               |              | Cape                                 | 10                            |          |               |           |               |             |                          |               |              | at and in                            |
| 11      |          |               |           |              |             |                          |               |              | at 12 Pm Bung in by Calculate        | 11                            |          |               |           |               |             |                          |               |              |                                      |
| 12      | 16       |               | NW x N    | SW           | 1/2         |                          |               |              | in the vicinity of Pass Bung         | 12                            | 18       |               | NE x N    | SW            | —           |                          |               |              | at 11 Pm stuck Ice Bung              |
| 1       |          |               |           |              |             |                          |               |              | Very Dark and Light Wind             | 1                             |          |               |           |               |             |                          |               |              | a daltel mass Backt yards            |
| 2       |          |               |           |              |             |                          |               |              | Seaths Cape Bung Vexel               | 2                             |          |               |           |               |             |                          |               |              | and trying to get out                |
| 3       |          |               |           |              |             |                          |               |              | Plain                                | 3                             |          |               |           |               |             |                          |               |              | at 8 am got clear of outer of        |
| 4       | 16       |               | WNW       | SW           | 1/2         |                          |               |              | at 3 Pm Seaths Cape abin             | 4                             |          |               |           |               |             |                          |               |              | the Ice Dark star of Peru            |
| 5       |          |               |           |              |             |                          |               |              | Ships head WNW Light Wind            | 5                             |          |               |           |               |             |                          |               |              | Bung in the Ice there by             |
| 6       |          |               |           |              |             |                          |               |              | Going Rayit thru                     | 6                             |          |               |           |               |             |                          |               |              |                                      |
| 7       |          |               |           |              |             |                          |               |              | at 8 am strong Breeze from           | 7                             |          |               |           |               |             |                          |               |              | at 12 am Light Wind Bung             |
| 8       | 40       |               | N x W     | SW           | 1/2         |                          |               |              | SW ships head NW has along           | 8                             |          |               |           |               |             |                          |               |              | surrounded by Ice with in            |
| 9       |          |               |           |              |             |                          |               |              | Land at 10 am sighted ice on         | 9                             |          |               |           |               |             |                          |               |              | 5 or 4 miles on Bath side off        |
| 10      |          |               |           |              |             |                          |               |              | Land at 10 am sighted ice on         | 10                            |          |               |           |               |             |                          |               |              | mother Bay this ends this Day        |
| 11      |          |               |           |              |             |                          |               |              | Bow Change Course to E x S at 12     | 11                            |          |               |           |               |             |                          |               |              | 24 Days out                          |
| 12      | 26       |               | E x S     | SW           | —           |                          |               |              | Ice Rayit ahead have to on Stead     | 12                            |          |               |           |               |             |                          |               |              |                                      |
|         |          |               |           |              |             |                          |               |              | take Shorten sails 22 Days out       |                               |          |               |           |               |             |                          |               |              |                                      |
| Course  | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation                | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                          | Course                        | Distance | Diff. of Lat. | Departure | Lat. by D.R.  | Lat. by Ob. | Variation                | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                          |
| N 80° W | 43 miles | 42° N         | 6° W      | 54° 54' N    | 55° 11' N   | 10° E                    | 8° W          | 164° 09' W   | 164° 30' W                           | Position off the ship at noon |          |               |           | Lat 56° 14' N | 56° 14' N   | 19° E                    |               | 161° 20' W   | 161° 20' W                           |
| H       | K        | F             | COURSES   | WINDS        | LEEWAY      | Thermometer<br>Air Water | Barometer     | REMARKS      | This 4 <sup>th</sup> day of May 1910 | H                             | K        | F             | COURSES   | WINDS         | LEEWAY      | Thermometer<br>Air Water | Barometer     | REMARKS      | This 6 <sup>th</sup> day of May 1910 |
| 1       |          |               |           |              |             |                          |               |              | at 4 Pm Wind Light Bung in           | 1                             |          |               |           |               |             |                          |               |              | at 4 Pm Very Light Wind              |
| 2       |          |               |           |              |             |                          |               |              | head to or Backing part of Back      | 2                             |          |               |           |               |             |                          |               |              | holding or Parting Butting           |
| 3       |          |               |           |              |             |                          |               |              | Waiting for a opening to get         | 3                             |          |               |           |               |             |                          |               |              | Bit White main land and of           |
| 4       | 16       |               | WNW       | NE           | 1/2         |                          |               |              | thru Ship sent Francis in            | 4                             |          |               |           |               |             |                          |               |              | Part marks and Drift of Ice          |
| 5       |          |               |           |              |             |                          |               |              | sight                                | 5                             |          |               |           |               |             |                          |               |              | of shore advice of abanthe           |
| 6       |          |               |           |              |             |                          |               |              |                                      | 6                             |          |               |           |               |             |                          |               |              | For 8 miles opening                  |
| 7       |          |               |           |              |             |                          |               |              | at 6 Pm Stod far and main            | 7                             |          |               |           |               |             |                          |               |              |                                      |
| 8       | 10       |               | SSW       | SE           | 1/2         |                          |               |              | the gallies and far and              | 8                             |          |               |           |               |             |                          |               |              | at 7 Pm Tackit ship and              |
| 9       |          |               |           |              |             |                          |               |              | main Upper top sails strong          | 9                             |          |               |           |               |             |                          |               |              | stuck out clear of the Ice           |
| 10      |          |               |           |              |             |                          |               |              | Wind from SE Lights Bung in          | 10                            |          |               |           |               |             |                          |               |              | a Very Light Wind from East          |
| 11      |          |               |           |              |             |                          |               |              | and look out at and at the           | 11                            |          |               |           |               |             |                          |               |              |                                      |
| 12      |          |               |           |              |             |                          |               |              | at 11 Pm Struck Ice Tackit ship      | 12                            | 16       |               | SW x S    | East          | 1/2         |                          |               |              | at 12 Pm Have to off Cape            |
| 1       |          |               |           |              |             |                          |               |              | and stuck in at 5 am. Squared        | 1                             |          |               |           |               |             |                          |               |              | Senian Distuse Bung by               |
| 2       |          |               |           |              |             |                          |               |              | off far amak Island at               | 2                             |          |               |           |               |             |                          |               |              | the Log 16 miles from the            |
| 3       |          |               |           |              |             |                          |               |              | 6 am amak Island Lia Bow             | 3                             |          |               |           |               |             |                          |               |              | Dysarter                             |
| 4       | 14       |               | ES E      | NE           | 1/2         |                          |               |              | ships head Between amak              | 4                             |          |               |           |               |             |                          |               |              |                                      |
| 5       |          |               |           |              |             |                          |               |              | Island and main land ship            | 5                             |          |               |           |               |             |                          |               |              |                                      |
| 6       |          |               |           |              |             |                          |               |              | head by Compass ENE                  | 6                             |          |               |           |               |             |                          |               |              |                                      |
| 7       |          |               |           |              |             |                          |               |              |                                      | 7                             |          |               |           |               |             |                          |               |              |                                      |
| 8       | 30       |               | NE        | SW           | —           |                          |               |              | at 12 am Light Wind from             | 8                             |          |               |           |               |             |                          |               |              | at 12 am Variabl Course's Stand      |
| 9       |          |               |           |              |             |                          |               |              | S.W Ob. at and at the also ships     | 9                             |          |               |           |               |             |                          |               |              | along this opening Bung              |
| 10      |          |               |           |              |             |                          |               |              | Dutis Ice Down to Lowland            | 10                            |          |               |           |               |             |                          |               |              | appears of abanthe 12 or 14 miles    |
| 11      |          |               |           |              |             |                          |               |              | Coping along the Land within         | 11                            |          |               |           |               |             |                          |               |              | between main land and by Ice         |
| 12      | 25       |               | NE x N    | SW           | —           |                          |               |              | for 10 miles off 25 Days out         | 12                            |          |               |           |               |             |                          |               |              | this and this 24 hours               |
|         |          |               |           |              |             |                          |               |              |                                      |                               |          |               |           |               |             |                          |               |              | and 25 Days out                      |
| Course  | Distance | Diff. of Lat. | Depart    | Lat. by D.R. | Lat. by Ob. | Variation                | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                          | Course                        | Distance | Diff. of Lat. | Departure | Lat. by D.R.  | Lat. by Ob. | Variation                | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                          |
| N 44° E | 58 miles | 26° N         | 36° E     | 53° 20' N    | 55° 50' N   | 19° E                    | 2° 5' E       | 162° 40' W   | —                                    | S 20° E                       | Variabl  | —             | —         | 58° N         | 58° N       | 19° E                    | —             | 161° 35' W   | 161° 35' W                           |

Journal from San Francisco towards Bristol Bay

Journal from San Francisco towards Bristol Bay

| H  | K | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                          |
|----|---|---|---------|-------|--------|--------------------------|-----------|----------------------------------|
| 1  |   |   |         |       |        |                          |           | This 7 day of May 1910           |
| 2  |   |   |         |       |        |                          |           | at 4 Pm. Stopped Ring off        |
| 3  |   |   |         |       |        |                          |           | Lagoon. Paint making short       |
| 4  |   |   |         |       |        |                          |           | tacks off and Down the           |
| 5  |   |   |         |       |        |                          |           | Open Space                       |
| 6  |   |   |         |       |        |                          |           | at 8 Pm. Still Variable Courses  |
| 7  |   |   |         |       |        |                          |           | along the Land Ring about        |
| 8  |   |   |         |       |        |                          |           | 7 or 10 miles off the Land       |
| 9  |   |   |         |       |        |                          |           | Waiting for the Dec to Drift off |
| 10 |   |   |         |       |        |                          |           |                                  |
| 11 |   |   |         |       |        |                          |           |                                  |
| 12 |   |   |         |       |        |                          |           |                                  |
| 1  |   |   |         |       |        |                          |           | at 8 am a strong Wind from       |
| 2  |   |   |         |       |        |                          |           | SE. Stood the far and near       |
| 3  |   |   |         |       |        |                          |           | upper Tapsals and Ript the       |
| 4  |   |   |         |       |        |                          |           | Sparker roughly from SE          |
| 5  |   |   |         |       |        |                          |           | Variable Courses of the Lagoon   |
| 6  |   |   |         |       |        |                          |           | Point                            |
| 7  |   |   |         |       |        |                          |           | at 12 Am a strong Wind from      |
| 8  |   |   |         |       |        |                          |           | SE. Stood the far and            |
| 9  |   |   |         |       |        |                          |           | at 11. Am a strong Wind from     |
| 10 |   |   |         |       |        |                          |           | SE. Stood the far and            |
| 11 |   |   |         |       |        |                          |           | at 12 Am a strong Wind from      |
| 12 |   |   |         |       |        |                          |           | SE. Stood the far and            |

| Course           | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|------------------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| Variable Courses |          |               |           | 56° 10' N    | 56° 15' N   | 19° E     |               | 161° 20' W   | 161° 30' W  |

| H  | K | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                          |
|----|---|---|---------|-------|--------|--------------------------|-----------|----------------------------------|
| 1  |   |   |         |       |        |                          |           | This 8 day of May 1910           |
| 2  |   |   |         |       |        |                          |           | at 4 Pm Wind moderating          |
| 3  |   |   |         |       |        |                          |           | and one falling at Enters        |
| 4  |   |   |         |       |        |                          |           | at 5 Pm sat the far and near     |
| 5  |   |   |         |       |        |                          |           | the galley sails ship's head     |
| 6  |   |   |         |       |        |                          |           | SW. Wind SE                      |
| 7  |   |   |         |       |        |                          |           | Making short tacks               |
| 8  |   |   |         |       |        |                          |           | at 6 Pm Lights Pumps and Lookant |
| 9  |   |   |         |       |        |                          |           | at 7 Pm were ship                |
| 10 |   |   |         |       |        |                          |           | Wind Light and stood in          |
| 11 |   |   |         |       |        |                          |           | at 8 am tookt ship. Stood        |
| 12 |   |   |         |       |        |                          |           | in the Wind the pinning of       |
| 1  |   |   |         |       |        |                          |           | at 8 am sighted Dec ahead        |
| 2  |   |   |         |       |        |                          |           | tackit ship again stood          |
| 3  |   |   |         |       |        |                          |           | at 1 Pm tookt ship stood to      |
| 4  |   |   |         |       |        |                          |           | the Watched Wind moderat         |
| 5  |   |   |         |       |        |                          |           | Clear at Enters Variable Courses |
| 6  |   |   |         |       |        |                          |           | During the 24 hrs. 27 Days Out   |

| Course           | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|------------------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| Variable Courses |          |               |           | 56° 10' N    | 56° 15' N   | 19° E     |               | 161° 20' W   | 161° 30' W  |

| H  | K | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                     |
|----|---|---|---------|-------|--------|--------------------------|-----------|-----------------------------|
| 1  |   |   |         |       |        |                          |           | This 9 day of May 1910      |
| 2  |   |   |         |       |        |                          |           | at 4 Pm Wind moderat        |
| 3  |   |   |         |       |        |                          |           | at Enters and making        |
| 4  |   |   |         |       |        |                          |           | short tacks of matter Bay   |
| 5  |   |   |         |       |        |                          |           | Dec Down to Lowland         |
| 6  |   |   |         |       |        |                          |           | at 9 Pm Horn in in East off |
| 7  |   |   |         |       |        |                          |           | Port matter ship's head NW  |
| 8  |   |   |         |       |        |                          |           | Wind calm at 12 Pm still    |
| 9  |   |   |         |       |        |                          |           | a Light Wind                |
| 10 |   |   |         |       |        |                          |           | at 3 am told the main yard  |
| 11 |   |   |         |       |        |                          |           | and stood off shore slight  |
| 12 |   |   |         |       |        |                          |           | Wind fresh NW               |
| 1  |   |   |         |       |        |                          |           | at 6 am tookt ship and      |
| 2  |   |   |         |       |        |                          |           | stood in. Batt sails        |
| 3  |   |   |         |       |        |                          |           | at 11 am tookt ship and     |
| 4  |   |   |         |       |        |                          |           | stood off with Dec          |
| 5  |   |   |         |       |        |                          |           | at 12 am a light Wind from  |
| 6  |   |   |         |       |        |                          |           | NW ship's head WSW stood    |
| 7  |   |   |         |       |        |                          |           | off this and this day and   |
| 8  |   |   |         |       |        |                          |           | at 12 am still a light Wind |
| 9  |   |   |         |       |        |                          |           | and clear ship's Duties at  |
| 10 |   |   |         |       |        |                          |           | at 12 am still a light Wind |
| 11 |   |   |         |       |        |                          |           | and clear ship's Duties at  |
| 12 |   |   |         |       |        |                          |           | at 12 am still a light Wind |

| Course   | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|----------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| Variable | Variable |               |           | 56° 15' N    | 56° 15' N   | 19° E     |               | 160° 35' W   | 160° 35' W  |

| H  | K | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                         |
|----|---|---|---------|-------|--------|--------------------------|-----------|---------------------------------|
| 1  |   |   |         |       |        |                          |           | This 10 day of May 1910         |
| 2  |   |   |         |       |        |                          |           | at 4 Pm in the afternoon        |
| 3  |   |   |         |       |        |                          |           | at ship's Bung Lights Wind      |
| 4  |   |   |         |       |        |                          |           | from NW. tookt ship             |
| 5  |   |   |         |       |        |                          |           | back on farward making          |
| 6  |   |   |         |       |        |                          |           | short tacks Variable courses    |
| 7  |   |   |         |       |        |                          |           | stood                           |
| 8  |   |   |         |       |        |                          |           | at 6 Pm Lights Pumps and        |
| 9  |   |   |         |       |        |                          |           | Lookant at stand to also ship's |
| 10 |   |   |         |       |        |                          |           | Duties                          |
| 11 |   |   |         |       |        |                          |           | at 8 Pm still a light Wind      |
| 12 |   |   |         |       |        |                          |           | from NW. ship's head WSW        |
| 1  |   |   |         |       |        |                          |           | standing out                    |
| 2  |   |   |         |       |        |                          |           | at 12 Pm Light Wind and         |
| 3  |   |   |         |       |        |                          |           | Clear Lookant and Lights        |
| 4  |   |   |         |       |        |                          |           | at stand to                     |
| 5  |   |   |         |       |        |                          |           | at 4 am calm                    |
| 6  |   |   |         |       |        |                          |           | at 8 am still calm Drifting     |
| 7  |   |   |         |       |        |                          |           | about and foggy                 |
| 8  |   |   |         |       |        |                          |           | at 12 am calm and foggy         |
| 9  |   |   |         |       |        |                          |           | During this 4. hours            |
| 10 |   |   |         |       |        |                          |           | 29 Days Out                     |

| Course  | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|---------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| 5 68° W | 10 miles |               |           | 56° 19' N    | 56° 19' N   | 19° E     |               | 160° 53' W   | 160° 53' W  |

## Journal from San Francisco towards Bristol Bay

## Journal from San Francisco towards Bristol Bay

| H  | K | F | COURSES            | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                     |
|----|---|---|--------------------|-------|--------|--------------------------|-----------|---------------------------------------------|
|    |   |   |                    |       |        |                          |           | This 11 day of May 1910                     |
| 1  |   |   |                    |       |        |                          |           | at 4 P.m. Light Wind from                   |
| 2  |   |   |                    |       |        |                          |           | N.W. and foggy foghorn                      |
| 3  |   |   |                    |       |        |                          |           | and Lookout's discharge                     |
| 4  |   |   | S.W. & W. N.W. 1/2 |       |        |                          |           | at stand to also ships Duties               |
| 5  |   |   |                    |       |        |                          |           | at 5 P.m. 22 fathoms of water gray sand     |
| 6  |   |   | S.W. & W. N.W. 1/2 |       |        |                          |           | at 7 P.m. Lights Pumps and                  |
| 7  |   |   |                    |       |        |                          |           | Lookout's at stand to also                  |
| 8  |   |   |                    |       |        |                          |           | the foghorn                                 |
| 9  |   |   |                    |       |        |                          |           | at 8 P.m. Light are from                    |
| 10 |   |   |                    |       |        |                          |           | N.W. and foggy sounding                     |
| 11 |   |   |                    |       |        |                          |           | taken frequently foghorn                    |
| 12 |   |   |                    |       |        |                          |           | and Lookout's at stand to                   |
| 1  |   |   |                    |       |        |                          |           | Drift Ice around                            |
| 2  |   |   |                    |       |        |                          |           | at 12 o'clock Floe in the Ice and           |
| 3  |   |   |                    |       |        |                          |           | Wary thick fog all around                   |
| 4  |   |   |                    |       |        |                          |           | sounding taken every hour                   |
| 5  |   |   |                    |       |        |                          |           | Depth of Water from 22 to 33                |
| 6  |   |   |                    |       |        |                          |           | fathoms with gray sand                      |
| 7  |   |   |                    |       |        |                          |           | at 6 am Change of Wind Light                |
| 8  |   |   |                    |       |        |                          |           | Brace from S.W. tackt ships and             |
| 9  |   |   |                    |       |        |                          |           | stood in still foggy                        |
| 10 |   |   |                    |       |        |                          |           | at 9 am Floe in thick fog and               |
| 11 |   |   |                    |       |        |                          |           | Ice at 12 am stood in clear to the Eastward |
| 12 |   |   |                    |       |        |                          |           | Position at noon                            |

| Course  | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|---------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| Varibul | Varibul  | 8° W          | 11° S     | 56° 17' N    | 56° 07' N   | 20° E     |               | 161° W       | 161° W      |

| H  | K | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                               |
|----|---|---|---------|-------|--------|--------------------------|-----------|---------------------------------------|
|    |   |   |         |       |        |                          |           | This 12 day of May 1910               |
| 1  |   |   |         |       |        |                          |           | at 4 P.m. Light Bruse from            |
| 2  |   |   |         |       |        |                          |           | N.W. guard off for an opening         |
| 3  |   |   |         |       |        |                          |           | ahead ships head N.E. & N             |
| 4  |   |   |         |       |        |                          |           | by Compass Course                     |
| 5  |   |   |         |       |        |                          |           | at 4:30 P.m. foggy                    |
| 6  |   |   |         |       |        |                          |           | at 6 P.m. Lights Pumps and            |
| 7  |   |   |         |       |        |                          |           | the foghorn at stand to               |
| 8  |   |   |         |       |        |                          |           | at 9 P.m. Floe in ships head          |
| 9  |   |   |         |       |        |                          |           | S.S.W. Light Wind from N.W.           |
| 10 |   |   |         |       |        |                          |           | foggy at interval soundings           |
| 11 |   |   |         |       |        |                          |           | taken at every hour Depth             |
| 12 |   |   |         |       |        |                          |           | 22 fathoms gray sand                  |
| 1  |   |   |         |       |        |                          |           | at 12 P.m. Tackit ships               |
| 2  |   |   |         |       |        |                          |           | stood out. Soundings shall            |
| 3  |   |   |         |       |        |                          |           | to 17 1/2 fathoms Lights and          |
| 4  |   |   |         |       |        |                          |           | Lookout's at stand to                 |
| 5  |   |   |         |       |        |                          |           | at 12 am Light Wind ships             |
| 6  |   |   |         |       |        |                          |           | head S.S.W. Clear                     |
| 7  |   |   |         |       |        |                          |           | 31 Days out                           |
| 8  |   |   |         |       |        |                          |           | at 12 am Light Wind from              |
| 9  |   |   |         |       |        |                          |           | N.W. ships head S.S.W. Bring off Port |
| 10 |   |   |         |       |        |                          |           | maker Bay Ice sighted all around      |
| 11 |   |   |         |       |        |                          |           | Position at noon                      |
| 12 |   |   |         |       |        |                          |           |                                       |

| Course  | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|---------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| Varibul | Varibul  |               |           | 56° 07' N    | 56° 07' N   | 20° E     |               | 160° 45' W   | 160° 45' W  |

| H  | K | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                 |
|----|---|---|---------|-------|--------|--------------------------|-----------|-----------------------------------------|
|    |   |   |         |       |        |                          |           | This 13 day of May 1910                 |
| 1  |   |   |         |       |        |                          |           | at 4 P.m. Light Wind from               |
| 2  |   |   |         |       |        |                          |           | N.W. in Brast off Port                  |
| 3  |   |   |         |       |        |                          |           | maker making short tacks                |
| 4  |   |   |         |       |        |                          |           | along the Ice waiting for an            |
| 5  |   |   |         |       |        |                          |           | opening to get thru                     |
| 6  |   |   |         |       |        |                          |           | at 6 P.m. Lights Pumps and              |
| 7  |   |   |         |       |        |                          |           | along the Ice Wind Very Light           |
| 8  |   |   |         |       |        |                          |           | Lookout's at stand to                   |
| 9  |   |   |         |       |        |                          |           | from N.W. & W                           |
| 10 |   |   |         |       |        |                          |           | at 8 P.m. tackt ships and               |
| 11 |   |   |         |       |        |                          |           | stood in                                |
| 12 |   |   |         |       |        |                          |           | at 12 P.m. sailing the Ice              |
| 1  |   |   |         |       |        |                          |           | Light Wind from S.E.                    |
| 2  |   |   |         |       |        |                          |           | at 4 am Ice all around Baxing           |
| 3  |   |   |         |       |        |                          |           | yards trying to get out.                |
| 4  |   |   |         |       |        |                          |           | from it                                 |
| 5  |   |   |         |       |        |                          |           | at 7 am Ice all around Light Wind       |
| 6  |   |   |         |       |        |                          |           | from S.E. sounding taken                |
| 7  |   |   |         |       |        |                          |           | frequently fanned from 17 to 22 fathoms |
| 8  |   |   |         |       |        |                          |           | at 12 am in Clear Water                 |
| 9  |   |   |         |       |        |                          |           | again making short tacks                |
| 10 |   |   |         |       |        |                          |           | in the open space off Port maker        |
| 11 |   |   |         |       |        |                          |           | 32 Days out                             |
| 12 |   |   |         |       |        |                          |           |                                         |

| Course  | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|---------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| Varibul | Varibul  |               |           | 56° 08' N    |             | 20° E     |               | 161° W       |             |

| H  | K | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                |
|----|---|---|---------|-------|--------|--------------------------|-----------|----------------------------------------|
|    |   |   |         |       |        |                          |           | This 14 day of May 1910                |
| 1  |   |   |         |       |        |                          |           | at 4 P.m. Light Wind from              |
| 2  |   |   |         |       |        |                          |           | North making short tacks               |
| 3  |   |   |         |       |        |                          |           | along the ice off the Ice in           |
| 4  |   |   |         |       |        |                          |           | Brast off Port maker or                |
| 5  |   |   |         |       |        |                          |           | Lagoon Point                           |
| 6  |   |   |         |       |        |                          |           | at 6 P.m. Lights Pumps and             |
| 7  |   |   |         |       |        |                          |           | Lookout's at stand to                  |
| 8  |   |   |         |       |        |                          |           | at 12 P.m. Wind Light N.W.             |
| 9  |   |   |         |       |        |                          |           | Clear Lights and Lookout's             |
| 10 |   |   |         |       |        |                          |           | at stand to soundings taken            |
| 11 |   |   |         |       |        |                          |           | frequently Depth from 22 to 18         |
| 12 |   |   |         |       |        |                          |           | fathoms Water with Gray                |
| 1  |   |   |         |       |        |                          |           | 32 am Var. ships and stood in sand     |
| 2  |   |   |         |       |        |                          |           | ships head by Compass N.E. & N         |
| 3  |   |   |         |       |        |                          |           | at 8 am Lagoon Point                   |
| 4  |   |   |         |       |        |                          |           | abandoned. Dist. off the Point         |
| 5  |   |   |         |       |        |                          |           | about 6 miles there                    |
| 6  |   |   |         |       |        |                          |           | at 12 am still abreast of Lagoon       |
| 7  |   |   |         |       |        |                          |           | Point about 7 or 10 miles off          |
| 8  |   |   |         |       |        |                          |           | Light are from N.W. at interval Calmer |
| 9  |   |   |         |       |        |                          |           | 33 Days out                            |
| 10 |   |   |         |       |        |                          |           |                                        |
| 11 |   |   |         |       |        |                          |           |                                        |
| 12 |   |   |         |       |        |                          |           |                                        |

| Course  | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|---------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| Varibul | Varibul  |               |           | 56° 03' N    |             | 20° E     |               | 161° 02' W   |             |

| H K F | COURSES | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                  |
|-------|---------|-------|--------|-------------|-------|-----------|--------------------------|
|       |         |       |        | Air         | Water |           |                          |
|       |         |       |        |             |       |           | This 15. day of May 1910 |
| 1     |         |       |        |             |       |           |                          |
| 2     |         |       |        |             |       |           |                          |
| 3     |         |       |        |             |       |           |                          |
| 4     |         |       |        |             |       |           |                          |
| 5     |         |       |        |             |       |           |                          |
| 6     |         |       |        |             |       |           |                          |
| 7     |         |       |        |             |       |           |                          |
| 8     |         |       |        |             |       |           |                          |
| 9     |         |       |        |             |       |           |                          |
| 10    |         |       |        |             |       |           |                          |
| 11    |         |       |        |             |       |           |                          |
| 12    |         |       |        |             |       |           |                          |
| 1     |         |       |        |             |       |           |                          |
| 2     |         |       |        |             |       |           |                          |
| 3     |         |       |        |             |       |           |                          |
| 4     |         |       |        |             |       |           |                          |
| 5     |         |       |        |             |       |           |                          |
| 6     |         |       |        |             |       |           |                          |
| 7     |         |       |        |             |       |           |                          |
| 8     |         |       |        |             |       |           |                          |
| 9     |         |       |        |             |       |           |                          |
| 10    |         |       |        |             |       |           |                          |
| 11    |         |       |        |             |       |           |                          |
| 12    |         |       |        |             |       |           |                          |

| Course   | Distance | Diff. of Lat.   | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|----------|----------|-----------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| Variable | Variable | 15 <sup>5</sup> | 132       | 56° 25'      |             | 20° E     | 9.            | 160 25'      |             |

| H | K | F | COURSES | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS | day of |      |
|---|---|---|---------|-------|--------|-------------|-------|-----------|---------|--------|------|
|   |   |   |         |       |        | Air         | Water |           |         |        |      |
|   |   |   |         |       |        |             |       |           | 16      | May    | 1910 |

at 2 Pm. Varibel Currents and  
Distances short Between the Ice and  
the Land  
at 4<sup>15</sup> to an anchor 7 miles to  
the Southward of Seal Island  
Position of the Ship  
in Lat 56° 39' N  
Long 189° 32' West Distances off  
Shore about 2 miles in 10.  
fathoms of Water 45 fathoms  
of Change in the Waters age  
at 8 Am. a strong Wind from  
East and Drift Ice increased  
Smooth Sea  
at 12<sup>30</sup> Pm. Home anchor  
and set sails Proceed on our  
Voyage at 4.30 Part Children aboard 35 Days Out  
Parition at noon

| Course    | Distance | Diff. of Lat. | Depart | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|-----------|----------|---------------|--------|---------------|-------------|-----------|---------------|---------------|-------------|
| to anchor |          |               |        | 56 38         |             | 20° E     |               | 157 32        |             |

| H  | K | F | COURSES                            | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                           |
|----|---|---|------------------------------------|-------|--------|-------------|-------|-----------|-----------------------------------|
|    |   |   |                                    |       |        | Air         | Water |           |                                   |
| 1  |   |   |                                    |       |        |             |       |           | THIS 17 day of May                |
| 2  |   |   | at 12 <sup>30</sup> Pm Home anchor |       |        |             |       |           | at 4 Pm sailing along             |
| 3  |   |   | and Satt Sails Eased at an         |       |        |             |       |           | the shore with SE wind            |
| 4  |   |   | one Wyagu to Kuskagack             |       |        |             |       |           | at 4 <sup>00</sup> Pm Port Haiden |
| 5  |   |   | Varilil Course stard               |       |        |             |       |           | aboard about 8 miles off          |
| 6  |   |   | During this 4 days                 |       |        |             |       |           | sailing thru Drift Ice            |
| 7  |   |   |                                    |       |        |             |       |           | along                             |
| 8  |   |   |                                    |       |        |             |       |           | at 6 Pm Lights Pump and           |
| 9  |   |   |                                    |       |        |             |       |           | lockout at anchor                 |
| 10 |   |   | Varilil Course stard along         |       |        |             |       |           | at 12 Pm still sailing            |
| 11 |   |   | thru the open space                |       |        |             |       |           | thru Drift Ice Wind Light         |
| 12 |   |   |                                    |       |        |             |       |           | lights and lockout at anchor      |
| 1  |   |   | at 12 Pm Wind Light and            |       |        |             |       |           | thru                              |
| 2  |   |   | Varilil Course NNE Wind SE         |       |        |             |       |           | at 4 am Wind getting Wary         |
| 3  |   |   |                                    |       |        |             |       |           | Light Haling to north still       |
| 4  |   |   | at 4 am Wind North Haling          |       |        |             |       |           | thru Ice all Chard. off           |
| 5  |   |   | Ngashik Bay abeam Distinct         |       |        |             |       |           |                                   |
| 6  |   |   | off about 8 miles Water Chan       |       |        |             |       |           |                                   |
| 7  |   |   | Ship's Head by Standard Compass    |       |        |             |       |           |                                   |
| 8  |   |   | N.N.W                              |       |        |             |       |           |                                   |
| 9  |   |   |                                    |       |        |             |       |           |                                   |
| 10 |   |   | NW NE                              |       |        |             |       |           | 36                                |
| 11 |   |   | Position at noon off               |       |        |             |       |           | Days Out                          |
| 12 |   |   | Ngashik Shores                     |       |        |             |       |           |                                   |

| Course  | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |
|---------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|-------------|
| N 41° W | 22 miles | 13° 4'        | 16 W      | 57° 5' 0" N   | 57° 5' 0" N | 1930° E   |               | 158° 05' W    |             |

| H | K | F | COURSES | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                 |
|---|---|---|---------|-------|--------|-------------|-------|-----------|-------------------------|
|   |   |   |         |       |        | Air         | Water |           |                         |
|   |   |   |         |       |        |             |       |           | This 18 day of May 1910 |

1  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9  
 10  
 11  
 12  
 1  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9  
 10  
 11  
 12  
 1  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9  
 10  
 11  
 12

W 4 N NE —  
 Water clear also clear off  
 the ships duties at and at the  
 also soundings taken at  
 an entrance off every bar  
 at 5<sup>30</sup> Pm Dredge the anchor  
 off Ekuk Point in 9 fathoms  
 of water 30 fathoms of clear  
 in the water again stand in  
 water is 2<sup>nd</sup> anchor Light  
 reaching to loads and also  
 all sails stand waiting for  
 steamer to tow us off  
 Harbor Log  
 Still being off Ekuk Point  
 the an anchor in water  
 Capt Bayt along ships duties  
 at and at the

at 3 Pm Light Wind from  
 N.E ships heads NW 3/4 N  
 sighted Cape Constitution in  
 the Port Biance about  
 12 miles off  
 at 3<sup>30</sup> Pm sighted Cape  
 Etation in the Starboard  
 Biance ships head Right  
 for the entrance to  
 Vushagosh

On the morning off the  
 19 Day off May the an  
 anchor off Ekuk Point  
 ships duties at and at the  
 taking off line and sa  
 part of the ship  
 ships duties  
 37 Days out

[illegible]

Journal from \_\_\_\_\_ towards \_\_\_\_\_

| H      | K        | F             | COURSES   | WINDS         | LEEWAY      | Thermometer |               | Barometer     | REMARKS     | day of |
|--------|----------|---------------|-----------|---------------|-------------|-------------|---------------|---------------|-------------|--------|
|        |          |               |           |               |             | Air         | Water         |               |             |        |
| 1      |          |               |           |               |             |             |               |               |             |        |
| 2      |          |               |           |               |             |             |               |               |             |        |
| 3      |          |               |           |               |             |             |               |               |             |        |
| 4      |          |               |           |               |             |             |               |               |             |        |
| 5      |          |               |           |               |             |             |               |               |             |        |
| 6      |          |               |           |               |             |             |               |               |             |        |
| 7      |          |               |           |               |             |             |               |               |             |        |
| 8      |          |               |           |               |             |             |               |               |             |        |
| 9      |          |               |           |               |             |             |               |               |             |        |
| 10     |          |               |           |               |             |             |               |               |             |        |
| 11     |          |               |           |               |             |             |               |               |             |        |
| 12     |          |               |           |               |             |             |               |               |             |        |
| 1      |          |               |           |               |             |             |               |               |             |        |
| 2      |          |               |           |               |             |             |               |               |             |        |
| 3      |          |               |           |               |             |             |               |               |             |        |
| 4      |          |               |           |               |             |             |               |               |             |        |
| 5      |          |               |           |               |             |             |               |               |             |        |
| 6      |          |               |           |               |             |             |               |               |             |        |
| 7      |          |               |           |               |             |             |               |               |             |        |
| 8      |          |               |           |               |             |             |               |               |             |        |
| 9      |          |               |           |               |             |             |               |               |             |        |
| 10     |          |               |           |               |             |             |               |               |             |        |
| 11     |          |               |           |               |             |             |               |               |             |        |
| 12     |          |               |           |               |             |             |               |               |             |        |
| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |        |

| H      | K        | F             | COURSES | WINDS         | LEEWAY      | Thermometer |               | Barometer     | REMARKS     | day of |
|--------|----------|---------------|---------|---------------|-------------|-------------|---------------|---------------|-------------|--------|
|        |          |               |         |               |             | Air         | Water         |               |             |        |
| 1      |          |               |         |               |             |             |               |               |             |        |
| 2      |          |               |         |               |             |             |               |               |             |        |
| 3      |          |               |         |               |             |             |               |               |             |        |
| 4      |          |               |         |               |             |             |               |               |             |        |
| 5      |          |               |         |               |             |             |               |               |             |        |
| 6      |          |               |         |               |             |             |               |               |             |        |
| 7      |          |               |         |               |             |             |               |               |             |        |
| 8      |          |               |         |               |             |             |               |               |             |        |
| 9      |          |               |         |               |             |             |               |               |             |        |
| 10     |          |               |         |               |             |             |               |               |             |        |
| 11     |          |               |         |               |             |             |               |               |             |        |
| 12     |          |               |         |               |             |             |               |               |             |        |
| 1      |          |               |         |               |             |             |               |               |             |        |
| 2      |          |               |         |               |             |             |               |               |             |        |
| 3      |          |               |         |               |             |             |               |               |             |        |
| 4      |          |               |         |               |             |             |               |               |             |        |
| 5      |          |               |         |               |             |             |               |               |             |        |
| 6      |          |               |         |               |             |             |               |               |             |        |
| 7      |          |               |         |               |             |             |               |               |             |        |
| 8      |          |               |         |               |             |             |               |               |             |        |
| 9      |          |               |         |               |             |             |               |               |             |        |
| 10     |          |               |         |               |             |             |               |               |             |        |
| 11     |          |               |         |               |             |             |               |               |             |        |
| 12     |          |               |         |               |             |             |               |               |             |        |
| Course | Distance | Diff. of Lat. | Depart  | Lat. by D. R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |        |

Journal from \_\_\_\_\_ towards \_\_\_\_\_

| H      | K        | F             | COURSES   | WINDS         | LEEWAY      | Thermometer |               | Barometer     | REMARKS     | day of |
|--------|----------|---------------|-----------|---------------|-------------|-------------|---------------|---------------|-------------|--------|
|        |          |               |           |               |             | Air         | Water         |               |             |        |
| 1      |          |               |           |               |             |             |               |               |             |        |
| 2      |          |               |           |               |             |             |               |               |             |        |
| 3      |          |               |           |               |             |             |               |               |             |        |
| 4      |          |               |           |               |             |             |               |               |             |        |
| 5      |          |               |           |               |             |             |               |               |             |        |
| 6      |          |               |           |               |             |             |               |               |             |        |
| 7      |          |               |           |               |             |             |               |               |             |        |
| 8      |          |               |           |               |             |             |               |               |             |        |
| 9      |          |               |           |               |             |             |               |               |             |        |
| 10     |          |               |           |               |             |             |               |               |             |        |
| 11     |          |               |           |               |             |             |               |               |             |        |
| 12     |          |               |           |               |             |             |               |               |             |        |
| 1      |          |               |           |               |             |             |               |               |             |        |
| 2      |          |               |           |               |             |             |               |               |             |        |
| 3      |          |               |           |               |             |             |               |               |             |        |
| 4      |          |               |           |               |             |             |               |               |             |        |
| 5      |          |               |           |               |             |             |               |               |             |        |
| 6      |          |               |           |               |             |             |               |               |             |        |
| 7      |          |               |           |               |             |             |               |               |             |        |
| 8      |          |               |           |               |             |             |               |               |             |        |
| 9      |          |               |           |               |             |             |               |               |             |        |
| 10     |          |               |           |               |             |             |               |               |             |        |
| 11     |          |               |           |               |             |             |               |               |             |        |
| 12     |          |               |           |               |             |             |               |               |             |        |
| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |        |

| H      | K        | F             | COURSES   | WINDS         | LEEWAY      | Thermometer |               | Barometer     | REMARKS     | day of |
|--------|----------|---------------|-----------|---------------|-------------|-------------|---------------|---------------|-------------|--------|
|        |          |               |           |               |             | Air         | Water         |               |             |        |
| 1      |          |               |           |               |             |             |               |               |             |        |
| 2      |          |               |           |               |             |             |               |               |             |        |
| 3      |          |               |           |               |             |             |               |               |             |        |
| 4      |          |               |           |               |             |             |               |               |             |        |
| 5      |          |               |           |               |             |             |               |               |             |        |
| 6      |          |               |           |               |             |             |               |               |             |        |
| 7      |          |               |           |               |             |             |               |               |             |        |
| 8      |          |               |           |               |             |             |               |               |             |        |
| 9      |          |               |           |               |             |             |               |               |             |        |
| 10     |          |               |           |               |             |             |               |               |             |        |
| 11     |          |               |           |               |             |             |               |               |             |        |
| 12     |          |               |           |               |             |             |               |               |             |        |
| 1      |          |               |           |               |             |             |               |               |             |        |
| 2      |          |               |           |               |             |             |               |               |             |        |
| 3      |          |               |           |               |             |             |               |               |             |        |
| 4      |          |               |           |               |             |             |               |               |             |        |
| 5      |          |               |           |               |             |             |               |               |             |        |
| 6      |          |               |           |               |             |             |               |               |             |        |
| 7      |          |               |           |               |             |             |               |               |             |        |
| 8      |          |               |           |               |             |             |               |               |             |        |
| 9      |          |               |           |               |             |             |               |               |             |        |
| 10     |          |               |           |               |             |             |               |               |             |        |
| 11     |          |               |           |               |             |             |               |               |             |        |
| 12     |          |               |           |               |             |             |               |               |             |        |
| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |        |

[illegible]

|    | H      | K        | F            | COURSES | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS                                                      |
|----|--------|----------|--------------|---------|--------------|-------------|-------------|---------------|--------------|--------------------------------------------------------------|
|    |        |          |              |         |              |             | Air         | Water         |              |                                                              |
|    |        |          |              |         |              |             |             |               |              | This 20. day of May 1910                                     |
| 1  |        |          |              |         |              |             |             |               |              |                                                              |
| 2  |        |          |              |         |              |             |             |               |              |                                                              |
| 3  |        |          |              |         |              |             |             |               |              |                                                              |
| 4  |        |          |              |         |              |             |             |               |              | at 4 P.M. still off Ekuk. Light Wind                         |
| 5  |        |          |              |         |              |             |             |               |              | and Cloud With Rain sea Watshi's and ships                   |
| 6  |        |          |              |         |              |             |             |               |              | Duties at anchor till during the Day 30 fathoms of Chan      |
| 7  |        |          |              |         |              |             |             |               |              | out                                                          |
| 8  |        |          |              |         |              |             |             |               |              |                                                              |
| 9  |        |          |              |         |              |             |             |               |              |                                                              |
| 10 |        |          |              |         |              |             |             |               |              |                                                              |
| 11 |        |          |              |         |              |             |             |               |              |                                                              |
| 12 |        |          |              |         |              |             |             |               |              | at 12 P.m. Light Wind from S.E. Here With Light              |
| 1  |        |          |              |         |              |             |             |               |              | Rain and snow mist anchor Light and sea Watshi's             |
| 2  |        |          |              |         |              |             |             |               |              | at anchor till                                               |
| 3  |        |          |              |         |              |             |             |               |              |                                                              |
| 4  |        |          |              |         |              |             |             |               |              | at 3 <sup>00</sup> am steamer Nushagaack Home in Light going |
| 5  |        |          |              |         |              |             |             |               |              | Down River Lights and ships Duties at anchor till            |
| 6  |        |          |              |         |              |             |             |               |              |                                                              |
| 7  |        |          |              |         |              |             |             |               |              |                                                              |
| 8  |        |          |              |         |              |             |             |               |              | at 8 am still off Ekuk to an anchor 30 fathoms of            |
| 9  |        |          |              |         |              |             |             |               |              | Chan in the Water age ship's Duties at anchor till           |
| 10 |        |          |              |         |              |             |             |               |              |                                                              |
| 11 |        |          |              |         |              |             |             |               |              | still off Ekuk to an anchor Wind gradually Evening           |
| 12 |        |          |              |         |              |             |             |               |              | from S.E. Light snow falling and off this day 59 Days out    |
|    | Course | Distance | Dir. of Lat. | Depart  | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                                                  |

| H K F | COURSES | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                    |
|-------|---------|-------|--------|-------------|-------|-----------|----------------------------------------------------------------------------|
|       |         |       |        | Air         | Water |           |                                                                            |
|       |         |       |        |             |       |           | This 21 day of May 1910                                                    |
| 1     |         |       |        |             |       |           |                                                                            |
| 2     |         |       |        |             |       |           | at 2 Pm it is a strong Wind from S.E. With snow                            |
| 3     |         |       |        |             |       |           | at intervals some ice commencing Down the River                            |
| 4     |         |       |        |             |       |           | ships Duties stand at the                                                  |
| 5     |         |       |        |             |       |           |                                                                            |
| 6     |         |       |        |             |       |           | at 6 Pm still on the same Phase off Ekuk Point                             |
| 7     |         |       |        |             |       |           | 50 fathoms of Chain in the Water age ships Duties                          |
| 8     |         |       |        |             |       |           | stand at the all is well still a strong Wind from                          |
| 9     |         |       |        |             |       |           | S.E. With snow steamer Nushagak Laying to an anchor                        |
| 10    |         |       |        |             |       |           | about a 1/2 mile Distance off the ship                                     |
| 11    |         |       |        |             |       |           |                                                                            |
| 12    |         |       |        |             |       |           |                                                                            |
| 1     |         |       |        |             |       |           | on the Evening of the 21 <sup>st</sup> of May 1910 about from 10 to 12 the |
| 2     |         |       |        |             |       |           | Wind rising to a strong gale Paid out the 45 fathoms on the                |
| 3     |         |       |        |             |       |           | starboard Chain and Dredge the Port anchor and Paid out 30                 |
| 4     |         |       |        |             |       |           | fathoms on that ship still Dragging anchor Paid out more                   |
| 5     |         |       |        |             |       |           | Chain on the 2 anchors Paid out to 60 on the starboard and                 |
| 6     |         |       |        |             |       |           | 45 on the Port Chain still Dragging at about 12 o'clock the                |
| 7     |         |       |        |             |       |           | Commander Lamping on the bottom a few times and                            |
| 8     |         |       |        |             |       |           | then taking the Chain over the Wye Latt her side                           |
| 9     |         |       |        |             |       |           | trying to put Lashings on the Chain to hold it but                         |
| 10    |         |       |        |             |       |           | the still took out the 95 fathoms and then drag the                        |
| 11    |         |       |        |             |       |           | Chain on the starboard anchor snapt it on the long                         |
| 12    |         |       |        |             |       |           | Link of the 4 shackles from the anchor that is 60 fathoms                  |
| 1     |         |       |        |             |       |           | Port anchor then had a good hold and stood at at the                       |
| 2     |         |       |        |             |       |           | same time we signalled the steamer Nushagak for assistance                 |
| 3     |         |       |        |             |       |           | During the fire rockets. Suddenly at about 1 o'clock steamer               |
| 4     |         |       |        |             |       |           | Nushagak have along side told the Captain that he would                    |
| 5     |         |       |        |             |       |           | take us off the anchor and put the first thing in                          |
| 6     |         |       |        |             |       |           | the morning it was then first off the flood tide                           |
| 7     |         |       |        |             |       |           | at 5 <sup>th</sup> steamer Nushagak have along side and in the             |
| 8     |         |       |        |             |       |           | Channel up the anchors and hold us in the Channel in                       |
| 9     |         |       |        |             |       |           | the deeper Water and Dredge the Port anchor and Paid out                   |
| 10    |         |       |        |             |       |           | 45 fathoms of Chain later we Paid out the 75 fathoms                       |
| 11    |         |       |        |             |       |           | in the Bellows off the Port Chain steamer then again went                  |
| 12    |         |       |        |             |       |           | to an anchor a short distance off it is still a strong                     |
| 1     |         |       |        |             |       |           | Wind from S.E. this is on the morning of the 22 <sup>nd</sup> of May       |
| 2     |         |       |        |             |       |           | During that Day a strict Watch was kept at 8 Pm in                         |
| 3     |         |       |        |             |       |           | Evening Dredge the Port anchor shackle on to the starboard                 |
| 4     |         |       |        |             |       |           | Chain to help along with the Port anchor it is still                       |
| 5     |         |       |        |             |       |           | a strong gale from S.E. the sea Watch and Riding Light                     |
| 6     |         |       |        |             |       |           | stand at the                                                               |
| 7     |         |       |        |             |       |           |                                                                            |
| 8     |         |       |        |             |       |           | at 12 Pm on 22 <sup>nd</sup> it is still a strong Wind from S.E.           |
| 9     |         |       |        |             |       |           | now sea Running on the flood tide Riding Light on                          |
| 10    |         |       |        |             |       |           | the 2 anchors at intervals taking a Link or so over the                    |
| 11    |         |       |        |             |       |           | Wye Latt this is on the flood tide                                         |
| 12    |         |       |        |             |       |           | at 3:45 steamer Nushagak Hoist up and went out to sea                      |
| 1     |         |       |        |             |       |           | at 8 am still a strong Wind from S.E. this is on the Last of               |
| 2     |         |       |        |             |       |           | the abbe tide ships Duties stand at this is on the                         |
| 3     |         |       |        |             |       |           | morning of the 23 <sup>rd</sup> of May on a still Day                      |
| 4     |         |       |        |             |       |           | at 1 Pm have up the starboard anchor and have up                           |
| 5     |         |       |        |             |       |           | to 45 on the Port anchor Wind moderating to a moderate                     |
| 6     |         |       |        |             |       |           | gale                                                                       |

## Journal from San Francisco towards Nushagak Bristol Bay

| H  | K | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | This 23 day of May 1910 |
|----|---|---|---------|-------|--------|--------------------------|-----------|---------|-------------------------|
| 1  |   |   |         |       |        |                          |           |         |                         |
| 2  |   |   |         |       |        |                          |           |         |                         |
| 3  |   |   |         |       |        |                          |           |         |                         |
| 4  |   |   |         |       |        |                          |           |         |                         |
| 5  |   |   |         |       |        |                          |           |         |                         |
| 6  |   |   |         |       |        |                          |           |         |                         |
| 7  |   |   |         |       |        |                          |           |         |                         |
| 8  |   |   |         |       |        |                          |           |         |                         |
| 9  |   |   |         |       |        |                          |           |         |                         |
| 10 |   |   |         |       |        |                          |           |         |                         |
| 11 |   |   |         |       |        |                          |           |         |                         |
| 12 |   |   |         |       |        |                          |           |         |                         |
| 1  |   |   |         |       |        |                          |           |         |                         |
| 2  |   |   |         |       |        |                          |           |         |                         |
| 3  |   |   |         |       |        |                          |           |         |                         |
| 4  |   |   |         |       |        |                          |           |         |                         |
| 5  |   |   |         |       |        |                          |           |         |                         |
| 6  |   |   |         |       |        |                          |           |         |                         |
| 7  |   |   |         |       |        |                          |           |         |                         |
| 8  |   |   |         |       |        |                          |           |         |                         |
| 9  |   |   |         |       |        |                          |           |         |                         |
| 10 |   |   |         |       |        |                          |           |         |                         |
| 11 |   |   |         |       |        |                          |           |         |                         |
| 12 |   |   |         |       |        |                          |           |         |                         |

This 24<sup>th</sup> of May 1910

at 4 am in the morning Calm and Clear

at 8 am still in an anchor on the same place off Etuk Point a Very Light Wind N.E. and Clear. Launched some of the Light Sails and main sail for drying at 3 pm anchored the kyle's main sail and gaffers

at 10 pm still in an anchor off Etuk Point 45 fathoms. Clear in the water age. Stood sea water and Riding Lights stand at the this and this 24 day of May

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob.

| H  | K | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | This 25 day of May 1910 |
|----|---|---|---------|-------|--------|--------------------------|-----------|---------|-------------------------|
| 1  |   |   |         |       |        |                          |           |         |                         |
| 2  |   |   |         |       |        |                          |           |         |                         |
| 3  |   |   |         |       |        |                          |           |         |                         |
| 4  |   |   |         |       |        |                          |           |         |                         |
| 5  |   |   |         |       |        |                          |           |         |                         |
| 6  |   |   |         |       |        |                          |           |         |                         |
| 7  |   |   |         |       |        |                          |           |         |                         |
| 8  |   |   |         |       |        |                          |           |         |                         |
| 9  |   |   |         |       |        |                          |           |         |                         |
| 10 |   |   |         |       |        |                          |           |         |                         |
| 11 |   |   |         |       |        |                          |           |         |                         |
| 12 |   |   |         |       |        |                          |           |         |                         |
| 1  |   |   |         |       |        |                          |           |         |                         |
| 2  |   |   |         |       |        |                          |           |         |                         |
| 3  |   |   |         |       |        |                          |           |         |                         |
| 4  |   |   |         |       |        |                          |           |         |                         |
| 5  |   |   |         |       |        |                          |           |         |                         |
| 6  |   |   |         |       |        |                          |           |         |                         |
| 7  |   |   |         |       |        |                          |           |         |                         |
| 8  |   |   |         |       |        |                          |           |         |                         |
| 9  |   |   |         |       |        |                          |           |         |                         |
| 10 |   |   |         |       |        |                          |           |         |                         |
| 11 |   |   |         |       |        |                          |           |         |                         |
| 12 |   |   |         |       |        |                          |           |         |                         |

at 2 am in the morning off the 25 day of May 1910 a Very Light Wind from N.E. and Clear. Riding Lights stand at the also the Watch on Deck all is Well

at 8 am ships Duties stand at the fine weather and Clear in an anchor off the same Point 45 fathoms. Clear

at 12 am still off the same Point in an anchor 45 fathoms off. Clear out ships Duties stand at the and all is Well

at 6 P.M. a Light Wind from N.W. and Clear sea water and ships Duties stand at the 45 fathoms of Clear in the water age

at 10 P.M. off Etuk Point in an anchor 45 fathoms of Clear in the water age sea water and Riding Lights stand at the this and the 24 hrs and all is Well on board

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob.

## Journal from San Francisco towards Bristol Bay

| H  | K | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | This 26 day of May 1910 |
|----|---|---|---------|-------|--------|--------------------------|-----------|---------|-------------------------|
| 1  |   |   |         |       |        |                          |           |         |                         |
| 2  |   |   |         |       |        |                          |           |         |                         |
| 3  |   |   |         |       |        |                          |           |         |                         |
| 4  |   |   |         |       |        |                          |           |         |                         |
| 5  |   |   |         |       |        |                          |           |         |                         |
| 6  |   |   |         |       |        |                          |           |         |                         |
| 7  |   |   |         |       |        |                          |           |         |                         |
| 8  |   |   |         |       |        |                          |           |         |                         |
| 9  |   |   |         |       |        |                          |           |         |                         |
| 10 |   |   |         |       |        |                          |           |         |                         |
| 11 |   |   |         |       |        |                          |           |         |                         |
| 12 |   |   |         |       |        |                          |           |         |                         |
| 1  |   |   |         |       |        |                          |           |         |                         |
| 2  |   |   |         |       |        |                          |           |         |                         |
| 3  |   |   |         |       |        |                          |           |         |                         |
| 4  |   |   |         |       |        |                          |           |         |                         |
| 5  |   |   |         |       |        |                          |           |         |                         |
| 6  |   |   |         |       |        |                          |           |         |                         |
| 7  |   |   |         |       |        |                          |           |         |                         |
| 8  |   |   |         |       |        |                          |           |         |                         |
| 9  |   |   |         |       |        |                          |           |         |                         |
| 10 |   |   |         |       |        |                          |           |         |                         |
| 11 |   |   |         |       |        |                          |           |         |                         |
| 12 |   |   |         |       |        |                          |           |         |                         |

at 3.30 am steamer Nushagak came towing in with the star of Delia towing Rayet up to the Cannery and Drums to be taken up and the vict tide have every thing ready and have short fine weather and a light breeze from N.W. all is well on board

at 8 am still a very light wind from N.W. and clear sea water and ships Duties stand at the

at 12 am have short 15 fathoms in the water age at 12.30 pm boarded the tender from steamer Nushagak and decided on up to V.C. Cannery

at 3 pm Dredge the anchor off V.C. Cannery on 30 fathoms of Clear in the water age. This ends this voyage from San Francisco to Nushagak Bristol Bay Alaska and also ends my service as Chief mate on this voyage this 26 day of May 1910

John Johnson Chief Mate

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob.

| H  | K | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | This 26 day of May 1910 |
|----|---|---|---------|-------|--------|--------------------------|-----------|---------|-------------------------|
| 1  |   |   |         |       |        |                          |           |         |                         |
| 2  |   |   |         |       |        |                          |           |         |                         |
| 3  |   |   |         |       |        |                          |           |         |                         |
| 4  |   |   |         |       |        |                          |           |         |                         |
| 5  |   |   |         |       |        |                          |           |         |                         |
| 6  |   |   |         |       |        |                          |           |         |                         |
| 7  |   |   |         |       |        |                          |           |         |                         |
| 8  |   |   |         |       |        |                          |           |         |                         |
| 9  |   |   |         |       |        |                          |           |         |                         |
| 10 |   |   |         |       |        |                          |           |         |                         |
| 11 |   |   |         |       |        |                          |           |         |                         |
| 12 |   |   |         |       |        |                          |           |         |                         |
| 1  |   |   |         |       |        |                          |           |         |                         |
| 2  |   |   |         |       |        |                          |           |         |                         |
| 3  |   |   |         |       |        |                          |           |         |                         |
| 4  |   |   |         |       |        |                          |           |         |                         |
| 5  |   |   |         |       |        |                          |           |         |                         |
| 6  |   |   |         |       |        |                          |           |         |                         |
| 7  |   |   |         |       |        |                          |           |         |                         |
| 8  |   |   |         |       |        |                          |           |         |                         |
| 9  |   |   |         |       |        |                          |           |         |                         |
| 10 |   |   |         |       |        |                          |           |         |                         |
| 11 |   |   |         |       |        |                          |           |         |                         |
| 12 |   |   |         |       |        |                          |           |         |                         |

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob.

Journal from *Nushagak* towards *San Francisco*Journal from *Nushagak* towards *San Francisco*

| H K F       |                                                                    |               |           |              |             |           |               |              |             | H K F       |          |               |           |              |               |           |               |              |             |            |                                  |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
|-------------|--------------------------------------------------------------------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|-------------|----------|---------------|-----------|--------------|---------------|-----------|---------------|--------------|-------------|------------|----------------------------------|---------------|-----------|--------------------------------|-------------------------------|-----------|---------------|--------------|-------------|--|--|--|--|--|--|--|--|--|--|
| COURSES     |                                                                    |               | WINDS     | LEEWAY       | Thermometer |           | Barometer     | REMARKS      | 17          | COURSES     |          |               | WINDS     | LEEWAY       | Thermometer   |           | Barometer     | REMARKS      | 19          | day of     | August 1910                      |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
|             |                                                                    |               |           |              | Air         | Water     |               |              |             |             |          |               |           |              |               | Air       | Water         |              |             |            |                                  |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 1           | On the morning of the 17 of August 1910 Banded the                 |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 1          |                                  |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 2           | kaiser from Steamer Nushagak have anchor on Van to                 |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 2          | at 4 P.m. Calm the hall Watch    |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 3           | sea ships draft 20 feet 6 inches at 20 feet 3 inches forward       |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 3          | hearse ships Duties at anchor to |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 4           | a fish brace from SW at 9.30 am sat the bar and off sails          |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 4          | 2                                | SSW           | SE        | Back Lee lane in the starboard |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 5           | at 11 sat the top sails and at 12. Clock List to the harbor        |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 5          | Buoy                             |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 6           | sat anything in Lat 58° 45' N 108° 12' West ships head by standard |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 6          | at 6 P.m. Pumps Lights and       |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 7           | SENE Wind SSW second anchors on the Real Ships status              |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 7          | Lookouts at anchor to also ships |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 8           | at 3 P.m. sighted Ugashik phase Wind Light                         |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 8          | Duties                           |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 9           | at 4 P.m. Log 95 and clear Water ships Duties at anchor to         |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 9          | at 8 P.m. still a Light Briase   |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 10          | at 6 P.m. Tack ship Course by standard SE Light Wind               |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 10         | ships head SSW                   |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 11          | Whit Rays                                                          |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 11         | at 12 P.m. a Very Light Briase   |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 12          | at 8 P.m. ships head WNW Soundings taking Frigging                 |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 12         | 22                               | WxS           | SSE       | 1/2                            | from SE clear ships Duties at |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 1           | from 15 to 17 fathoms Whit gray sand black specks                  |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 1          | at 2 am Tack ship ships          |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 2           | at 11 P.m. Tack ship again Course West Wind Frigging Soundings     |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 2          | 9                                | WNW           | South     | 1/2                            | head WNW backing off and      |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 3           | from 17 to 18 fathoms of Water Soundings taking airway here        |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 3          | Rays of a have fog foghorn       |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 4           | at 12 P.m. Log 34. Wind SSW ships head SE Light Rain               |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 4          | 5                                | S 1/2 E       | West      | 1/2                            | and Lookouts at anchor to     |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 5           | at 3 am Tack ship to the Westward Light Wind Log 52                |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 5          | at 4 am still a thick fog        |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 6           | at 4 am ships head by standard WxN Log 55 Soundings                |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 6          | ships head S.S.E at 6 am         |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 7           | from 13 to 17 fathoms of Water With gray sand and black specks     |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 7          | ships Duties at anchor to        |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 8           | at 8 am Tack ship to the East Log 78 Distance made                 |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 8          | 19                               | S x E 1/2 E   | West      | 1/2                            | at 8 am still a have fog      |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 9           | on that tack 23 miles Soundings taken over here from               |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 9          | foghorn and ships Duties at      |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 10          | 13 to 17 fathoms of Water ships Duties at anchor to                |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 10         | at 12 am Ob. at anchor to        |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 11          | at 12 am ships head by standard SE x S Soundings from              |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 11         | still being foggy at intervals   |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| 12          | 15 to 20 fathoms Water light Wind clear. Have Log over here        |               |           |              |             |           |               |              |             |             |          |               |           |              |               |           |               |              |             | 12         | 17                               | SE x S 1/2 S  | West      | 1/2                            | ships Duties at anchor to     |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
|             |                                                                    |               |           |              |             |           |               |              |             | one Day out |          |               |           |              |               |           |               |              |             | 3 Days out |                                  |               |           |                                |                               |           |               |              |             |  |  |  |  |  |  |  |  |  |  |
| Course      | Distance                                                           | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. | Course      | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob.   | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. | Course     | Distance                         | Diff. of Lat. | Departure | Lat. by D.R.                   | Lat. by Ob.                   | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |  |  |  |  |  |  |  |  |  |  |
| S 36° 03' W | 45 miles                                                           | 00            | 39° 5'    | 28° 57' 0" N | 57° 4'      | 19° 1' E  | 50° 15' 21" W |              |             | S 41° W     | 39 miles | 29° 8'        | 25° 1' W  | 57° 0' 18" N | 57° 22' 19" E | 46° W     | 159° 06' W    |              |             | S 41° W    | 39 miles                         | 29° 8'        | 25° 1' W  | 57° 0' 18" N                   | 57° 22' 19" E                 | 46° W     | 159° 06' W    |              |             |  |  |  |  |  |  |  |  |  |  |

| H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | K        | F             | COURSES   | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS     | 18       | day of   | August 1910                                                                                                                                                                                                                                                            | H         | K             | F             | COURSES   | WINDS         | LEEWAY       | Thermometer |          | Barometer | REMARKS       | This 20 <sup>th</sup> | day of        | August 1910   |           |               |              |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|-----------|--------------|-------------|-------------|---------------|--------------|-------------|----------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------|---------------|-----------|---------------|--------------|-------------|----------|-----------|---------------|-----------------------|---------------|---------------|-----------|---------------|--------------|-------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |               |           |              |             | Air         | Water         |              |             |          |          |                                                                                                                                                                                                                                                                        |           |               |               |           |               |              |             | Air      | Water     |               |                       |               |               |           |               |              |             |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |           |              |             |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 1         |               |               |           |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |           |              |             |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 2         | 1             |               | S.S.E     | West          | 1/2          |             |          |           |               |                       |               |               |           |               |              |             |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 13       |               | S.S.E     | S.W          | 1/2         |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 3         |               |               |           |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2        |               | WNW       | S.W          | 1/2         |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 4         |               |               | Calm      | the           | Hot Watch    |             |          |           |               |                       |               |               |           |               |              |             |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |           |              |             |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 5         |               |               |           |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |           |              |             |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 6         |               |               | Calm      |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |           |              |             |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 7         |               |               |           |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 12       |               | WxN       | S.W          | 1/2         |             |               | day          |             |          |          |                                                                                                                                                                                                                                                                        | 8         |               |               | Calm      | the           | Hot Watch    |             |          |           |               |                       |               |               |           |               |              |             |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |           |              |             |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 9         |               |               |           |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |               |           |              |             |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 10        |               |               |           |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |               |           |              |             |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 11        |               |               |           |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8        |               | WNW       | S.W          | 1/2         |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 12        |               |               | Calm      | and           | Foggy        |             |          |           |               |                       |               |               |           |               |              |             |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |           |              |             |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 1         |               |               |           |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 12       |               | WNW       | S.W          | 1/2         |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 2         |               |               |           |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |           |              |             |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 3         |               |               |           |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8        |               | SE x S    | S.W          | 1/2         |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 4         |               |               | SW x S    | put           | the          | Log         | out.     |           |               |                       |               |               |           |               |              |             |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |           |              |             |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 5         |               |               |           |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |           |              |             |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 6         |               |               |           |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |           |              |             |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 7         |               |               |           |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 12       |               | SE x S    | S.W          | 1/2         |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 8         |               |               | SW x S    |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |               |           |              |             |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 9         |               |               |           |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |               |           |              |             |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 10        |               |               |           |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |               |           |              |             |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 11        |               |               |           |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1        |               | WxN       | S.W          | 1/2         |             |               |              |             |          |          |                                                                                                                                                                                                                                                                        | 12        | 9             |               | SW x S    | NW            | —            |             |          |           |               |                       |               |               |           |               |              |             |
| <p>at 3 P.m. Tack ship to West<br/>at 4 P.m. still foggy Whit Light<br/>Rayon foghorn at anchor to also<br/>ships Duties<br/>at 6 P.m. pumps Lights and<br/>Lookouts at anchor to<br/>at 8 P.m. still have with<br/>Light Rayon a ship sighted<br/>in the Lu Bauw heading toward<br/>West ship<br/>at 12 P.m. Light Wind from<br/>SW and have Lights and Lookouts<br/>at anchor to<br/>at 2 am Tack ship to East<br/>at 4 am Light Wind had East<br/>Soundings taken over here<br/>from 15 to 20 fathoms Water with<br/>gray sand on black specks<br/>at 8 am Tack ship to the<br/>Westward Light Wind of Ugashik<br/>phase<br/>at noon Ob. at anchor to also ships<br/>Duties</p> <p>2 Days out</p> |          |               |           |              |             |             |               |              |             |          |          | <p>at 2 P.m. Tack ship to the<br/>Westward being have fog and<br/>Calm<br/>at 4 P.m. still Calm Log in<br/>at 6 P.m. Light Pumps and<br/>foghorn at anchor to still foggy</p> <p>at 12 P.m. still foggy Lightening<br/>toward noon Ob. at anchor to<br/>4 Days out</p> |           |               |               |           |               |              |             |          |           |               |                       |               |               |           |               |              |             |
| Course                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. | Course   | Distance | Diff. of Lat.                                                                                                                                                                                                                                                          | Departure | Lat. by D.R.  | Lat. by Ob.   | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. | Course   | Distance  | Diff. of Lat. | Departure             | Lat. by D.R.  | Lat. by Ob.   | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
| S 58° W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 19 miles | 10° 5'        | 16° W     | 57° 46'      | 57° 46'     | 19° E       | 10° 5'        | 158° 22' W   |             | S 102° W | 19 miles | 8° 5'                                                                                                                                                                                                                                                                  | 14° W     | 57° 44' 57" N | 57° 06' 19" E | 2° W      | 159° 20' W    |              |             | S 102° W | 19 miles  | 8° 5'         | 14° W                 | 57° 44' 57" N | 57° 06' 19" E | 2° W      | 159° 20' W    |              |             |

Journal from *Nushagak* towards *San Francisco*Journal from *Nushagak* towards *San Francisco*

| H  | K  | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                                                                                  | 21 | day of | August 1910 |
|----|----|---|---------|-------|--------|--------------------------|-----------|----------------------------------------------------------------------------------------------------------|----|--------|-------------|
| 1  |    |   |         |       |        |                          |           |                                                                                                          |    |        |             |
| 2  |    |   |         |       |        |                          |           |                                                                                                          |    |        |             |
| 3  |    |   |         |       |        |                          |           |                                                                                                          |    |        |             |
| 4  | 13 |   | SWxS    | N.E.  | —      |                          |           | at 4 P.m. Wind Light Wind from N.E. and fairly clear ships Duties at anchor to                           |    |        |             |
| 5  |    |   |         |       |        |                          |           |                                                                                                          |    |        |             |
| 6  |    |   |         |       |        |                          |           |                                                                                                          |    |        |             |
| 7  |    |   |         |       |        |                          |           |                                                                                                          |    |        |             |
| 8  | 17 |   | SWxS    | S.E.  | —      |                          | 30.2      | at 6 P.m. Light pumps and Lookout at anchor to also ships Duties                                         |    |        |             |
| 9  |    |   |         |       |        |                          |           | at 8 P.m. Light Wind from S.E. with Light Rain                                                           |    |        |             |
| 10 |    |   |         |       |        |                          |           | at 12 P.m. Wind Bothering                                                                                |    |        |             |
| 11 |    |   |         |       |        |                          |           | at 4 P.m. Wind Light haling toward S.E. with Light Rain                                                  |    |        |             |
| 12 | 12 |   | SWxS    | S.E.  | 1/2    |                          |           | at 8 A.m. Light Wind with Rain from S.E. and Hazy ships Duties at anchor to                              |    |        |             |
| 1  |    |   |         |       |        |                          |           |                                                                                                          |    |        |             |
| 2  |    |   |         |       |        |                          |           |                                                                                                          |    |        |             |
| 3  |    |   |         |       |        |                          |           |                                                                                                          |    |        |             |
| 4  | 6  |   | WxS     | South | 1/2    |                          |           | at 8 A.m. Light Wind with Rain from S.E. and Hazy ships Duties at anchor to                              |    |        |             |
| 5  |    |   |         |       |        |                          |           |                                                                                                          |    |        |             |
| 6  |    |   |         |       |        |                          |           |                                                                                                          |    |        |             |
| 7  |    |   |         |       |        |                          |           |                                                                                                          |    |        |             |
| 8  | 18 |   | SWxW    | S.E.  | 1/2    |                          |           | at 12 A.m. Still a Light Wind from S.E. with Light Rain and foggy foghorns at anchor to and ships Duties |    |        |             |
| 9  |    |   |         |       |        |                          |           |                                                                                                          |    |        |             |
| 10 |    |   |         |       |        |                          |           |                                                                                                          |    |        |             |
| 11 |    |   |         |       |        |                          |           |                                                                                                          |    |        |             |
| 12 | 25 |   | WxVxN   | SS.E. | 1/2    |                          |           | at 8 A.m. Still a Light Wind from S.E. with Light Rain and foggy foghorns at anchor to and ships Duties  |    |        |             |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|--------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| S 84 W | 77 miles | 8' 08"        | 78' 8" W  | 56° 52' N    |             | 19° E     | 2° 12' W      | 162° 10' W   |             |

| H  | K  | F | COURSES | WINDS  | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                                                                                             | Monday 22 | day of | August 1910 |
|----|----|---|---------|--------|--------|--------------------------|-----------|---------------------------------------------------------------------------------------------------------------------|-----------|--------|-------------|
| 1  |    |   |         |        |        |                          |           |                                                                                                                     |           |        |             |
| 2  |    |   |         |        |        |                          |           |                                                                                                                     |           |        |             |
| 3  |    |   |         |        |        |                          |           |                                                                                                                     |           |        |             |
| 4  | 26 |   | S.W.    | S.E.   | 1/2    |                          |           | at 4 P.m. Wind freshening with Rain at intervals ships Duties at anchor to                                          |           |        |             |
| 5  |    |   |         |        |        |                          |           |                                                                                                                     |           |        |             |
| 6  |    |   |         |        |        |                          |           | at 6 P.m. Light pumps and Lookout at anchor to also ships Duties Wind backing from S.E. by West                     |           |        |             |
| 7  |    |   |         |        |        |                          |           | at 8 P.m. Wind gradually increasing with Light Rain and fog foghorns and Lookout at anchor to                       |           |        |             |
| 8  | 32 |   | SWxS    | S.E.   | 1/2    |                          |           | at 12 P.m. Still a moderate Breeze from S.E. with Light Rain and fog at intervals foghorns and Lookout at anchor to |           |        |             |
| 9  |    |   |         |        |        |                          |           |                                                                                                                     |           |        |             |
| 10 |    |   |         |        |        |                          |           |                                                                                                                     |           |        |             |
| 11 |    |   |         |        |        |                          |           |                                                                                                                     |           |        |             |
| 12 | 27 |   | WSW     | S.E.   | 1/2    |                          |           | at 4 A.m. still the same Wind Light Rain and Haze ships Duties at anchor to                                         |           |        |             |
| 1  |    |   |         |        |        |                          |           |                                                                                                                     |           |        |             |
| 2  |    |   |         |        |        |                          |           |                                                                                                                     |           |        |             |
| 3  |    |   |         |        |        |                          |           |                                                                                                                     |           |        |             |
| 4  | 24 |   | WSW     | S.E.   | 1/2    |                          |           | at 6 A.m. still the same Wind Light Rain and Haze ships Duties at anchor to                                         |           |        |             |
| 5  |    |   |         |        |        |                          |           |                                                                                                                     |           |        |             |
| 6  | 13 |   | WxS     | S      | 1/2    |                          |           | at 12 A.m. a moderate Breeze from S.E. with Light Rain and fog at intervals foghorns and Lookout at anchor to       |           |        |             |
| 7  |    |   |         |        |        |                          |           |                                                                                                                     |           |        |             |
| 8  | 18 |   | S.E.    | S.S.W. | 1/2    |                          |           | at 4 A.m. still the same Wind Light Rain and Haze ships Duties at anchor to                                         |           |        |             |
| 9  |    |   |         |        |        |                          |           |                                                                                                                     |           |        |             |
| 10 |    |   |         |        |        |                          |           |                                                                                                                     |           |        |             |
| 11 |    |   |         |        |        |                          |           |                                                                                                                     |           |        |             |
| 12 | 23 |   | E.S.E.  | S.S.W. | 1/2    |                          |           | at 6 A.m. still the same Wind Light Rain and Haze ships Duties at anchor to                                         |           |        |             |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|--------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| S 84 W | 24 miles | 34' S         | 78' W     | 56° 44' N    | 56° 47' N   | 19° E     | 2° 20' W      | 164° 14' W   | 164° 11' W  |

| H  | K  | F | COURSES  | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                                                                            | Thursday 23 | day of | August 1910 |
|----|----|---|----------|-------|--------|--------------------------|-----------|----------------------------------------------------------------------------------------------------|-------------|--------|-------------|
| 1  |    |   |          |       |        |                          |           |                                                                                                    |             |        |             |
| 2  |    |   |          |       |        |                          |           |                                                                                                    |             |        |             |
| 3  |    |   |          |       |        |                          |           |                                                                                                    |             |        |             |
| 4  | 31 |   | SE 1/2 E | SSW   | 1/2    |                          |           | at 4 P.m. still a moderate Breeze from SSW clouds ships Duties at anchor to anchor                 |             |        |             |
| 5  |    |   |          |       |        |                          |           | took in on the Jackhead and Light                                                                  |             |        |             |
| 6  |    |   |          |       |        |                          |           | at 6 P.m. pumps Light and Lookout at anchor to                                                     |             |        |             |
| 7  |    |   |          |       |        |                          |           | at 8 P.m. Wind Light from S.E. back ships to Th. Wister                                            |             |        |             |
| 8  | 28 |   | SE 1/2 E | SSW   | 1/2    |                          |           |                                                                                                    |             |        |             |
| 9  |    |   |          |       |        |                          |           |                                                                                                    |             |        |             |
| 10 |    |   |          |       |        |                          |           |                                                                                                    |             |        |             |
| 11 |    |   |          |       |        |                          |           |                                                                                                    |             |        |             |
| 12 | 15 |   | WSW      | SE    | 1/2    |                          |           | at 12 P.m. still a Light Wind from S.E. and clouds a heavy Wisterly still running                  |             |        |             |
| 1  |    |   |          |       |        |                          |           |                                                                                                    |             |        |             |
| 2  |    |   |          |       |        |                          |           |                                                                                                    |             |        |             |
| 3  |    |   |          |       |        |                          |           |                                                                                                    |             |        |             |
| 4  | 15 |   | WSW      | SE    | 1/2    |                          |           | at 4 A.m. moderate Breeze from S.E. and clouds at intervals foggy Lights and Lookout at anchor to  |             |        |             |
| 5  |    |   |          |       |        |                          |           |                                                                                                    |             |        |             |
| 6  |    |   |          |       |        |                          |           |                                                                                                    |             |        |             |
| 7  |    |   |          |       |        |                          |           |                                                                                                    |             |        |             |
| 8  | 15 |   | WSW      | SE    | 1/2    |                          |           | at 8 A.m. still a Light Wind from S.E. here                                                        |             |        |             |
| 9  |    |   |          |       |        |                          |           |                                                                                                    |             |        |             |
| 10 |    |   |          |       |        |                          |           |                                                                                                    |             |        |             |
| 11 |    |   |          |       |        |                          |           |                                                                                                    |             |        |             |
| 12 | 26 |   | SWxW     | SE    | 1/2    |                          |           | at 12 A.m. Ob. at anchor to Light Wind and clouds and foggy foghorns at anchor to and ships Duties |             |        |             |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|--------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| S 53 W | 52 miles | 41' 5"        | 32' W     | 56° 01' N    | 56° 10' N   | 19° E     | 5° 8' W       | 165° 19' W   | 165° 11' W  |

| H  | K  | F | COURSES   | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                                                                                           | Friday 24 | day of | August 1910 |
|----|----|---|-----------|-------|--------|--------------------------|-----------|-------------------------------------------------------------------------------------------------------------------|-----------|--------|-------------|
| 1  |    |   |           |       |        |                          |           |                                                                                                                   |           |        |             |
| 2  |    |   |           |       |        |                          |           |                                                                                                                   |           |        |             |
| 3  |    |   |           |       |        |                          |           |                                                                                                                   |           |        |             |
| 4  | 23 |   | SWxS      | ESE   | 1/2    |                          |           | at 4 P.m. Wind freshening haling toward East clouds                                                               |           |        |             |
| 5  |    |   |           |       |        |                          |           | at 6 P.m. pumps Lights and Lookout at anchor to                                                                   |           |        |             |
| 6  |    |   |           |       |        |                          |           | at 7 P.m. started all the Light sails gave up all 2 mizen stay sails Rags and other job Wind increasing from East |           |        |             |
| 7  |    |   |           |       |        |                          |           | at 8 P.m. still a strong Breeze from East clouds all is well                                                      |           |        |             |
| 8  | 33 |   | SxW 1/2 W | East  | 1/2    |                          |           | at 9 P.m. still the same Breeze at anchor to                                                                      |           |        |             |
| 9  |    |   |           |       |        |                          |           | at 10 P.m. still the same Breeze at anchor to                                                                     |           |        |             |
| 10 |    |   |           |       |        |                          |           | at 11 P.m. still the same Breeze at anchor to                                                                     |           |        |             |
| 11 |    |   |           |       |        |                          |           | at 12 P.m. still the same Breeze at anchor to                                                                     |           |        |             |
| 12 | 21 |   | S 1/2 W   | East  | 1/2    |                          |           | at 1 P.m. still the same Breeze at anchor to                                                                      |           |        |             |
| 1  |    |   |           |       |        |                          |           |                                                                                                                   |           |        |             |
| 2  | 9  |   | South     | E x N | 1/2    |                          |           | at 2 P.m. still the same Breeze at anchor to                                                                      |           |        |             |
| 3  |    |   |           |       |        |                          |           | at 3 P.m. still the same Breeze at anchor to                                                                      |           |        |             |
| 4  | 8  |   | NE        | SE    | 1/2    |                          |           | at 4 P.m. still the same Breeze at anchor to                                                                      |           |        |             |
| 5  |    |   |           |       |        |                          |           | at 5 P.m. still the same Breeze at anchor to                                                                      |           |        |             |
| 6  |    |   |           |       |        |                          |           | at 6 P.m. still the same Breeze at anchor to                                                                      |           |        |             |
| 7  |    |   |           |       |        |                          |           | at 7 P.m. still the same Breeze at anchor to                                                                      |           |        |             |
| 8  | 25 |   | NE 1/2 E  | SE    | 1/2    |                          |           | at 8 P.m. still the same Breeze at anchor to                                                                      |           |        |             |
| 9  |    |   |           |       |        |                          |           | at 9 P.m. still the same Breeze at anchor to                                                                      |           |        |             |
| 10 |    |   |           |       |        |                          |           | at 10 P.m. still the same Breeze at anchor to                                                                     |           |        |             |
| 11 |    |   |           |       |        |                          |           | at 11 P.m. still the same Breeze at anchor to                                                                     |           |        |             |
| 12 | 27 |   | N.E.      | SE    | 1/2    |                          |           | at 12 P.m. still the same Breeze at anchor to                                                                     |           |        |             |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|--------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| S 20 W | 82 miles | 25' S         | 9' W      | 55° 57' N    | 55° 58' N   | 19° E     | 16° W         | 165° 27' W   | 165° 46' W  |

Journal from *Nushagak*towards *San Francisco*Journal from *Nushagak*towards *San Francisco*

| H  | K  | F | COURSES | WINDS  | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                            |
|----|----|---|---------|--------|--------|--------------------------|-----------|------------------------------------|
|    |    |   |         |        |        |                          |           | Thursday 25 day of August          |
| 1  |    |   |         |        |        |                          |           |                                    |
| 2  |    |   |         |        |        |                          |           |                                    |
| 3  |    |   |         |        |        |                          |           |                                    |
| 4  | 27 |   | N.E.    | S.E.   | 1/2    |                          |           | at 4 Pm a moderate                 |
| 5  |    |   |         |        |        |                          |           | Wind from S.E. Baiting             |
| 6  |    |   |         |        |        |                          |           | from SW to S.E. Cloud              |
| 7  | 18 |   | N.E.    | S.E.   | 1/2    |                          |           | intervals clear ships              |
| 8  | 4  |   | S.W.    | S.S.E. | 1/2    |                          |           | Duty standat to                    |
| 9  |    |   |         |        |        |                          |           | at 6 Pm pumps Lights               |
| 10 |    |   |         |        |        |                          |           | and Lookout standat to             |
| 11 | 23 |   | S.S.W.  | S.E.   | 1/2    |                          |           | at 7 Pm took ship to the           |
| 12 |    |   |         |        |        |                          |           | S.W. Wind Baiting from East        |
| 1  |    |   |         |        |        |                          |           | to S.E. a moderate breeze          |
| 2  |    |   |         |        |        |                          |           | at 11 Pm took ship                 |
| 3  |    |   |         |        |        |                          |           | to the Easter Wind freshing        |
| 4  |    |   |         |        |        |                          |           | from S.E. Stand Light sails        |
| 5  | 36 |   | N.E.    | S.E.   | 1/2    |                          |           | at 5 am took ship again            |
| 6  |    |   |         |        |        |                          |           | to the Southwesterly moderate Wind |
| 7  |    |   |         |        |        |                          |           | and fog foghorn strikingly         |
| 8  | 18 |   | S.W.    | East   | 1/2    |                          |           | standat to also ships Duty         |
| 9  |    |   |         |        |        |                          |           | at 8 am Wind freshing              |
| 10 |    |   |         |        |        |                          |           | standat to also ships Duty         |
| 11 |    |   |         |        |        |                          |           | at 12 am Wind moderating           |
| 12 | 19 |   | South   | E.N.E. | 1/2    |                          |           | with fog and Light Rainy           |

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob.

S 4 E 28 2' S 26' E 55' 56' N 19° E 46' E 165° 00' W

| H  | K  | F | COURSES | WINDS  | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                         |
|----|----|---|---------|--------|--------|--------------------------|-----------|---------------------------------|
|    |    |   |         |        |        |                          |           | Friday 26 day of August 1910    |
| 1  |    |   |         |        |        |                          |           |                                 |
| 2  |    |   |         |        |        |                          |           |                                 |
| 3  |    |   |         |        |        |                          |           |                                 |
| 4  | 14 |   | S.S.W.  | E.S.E. | 1/2    |                          |           | at 2 Pm sat the main and        |
| 5  |    |   |         |        |        |                          |           | Yard gaff sails main sail       |
| 6  |    |   |         |        |        |                          |           | Rigged and shook Ripe out       |
| 7  |    |   |         |        |        |                          |           | of the Spanker Wind Light       |
| 8  | 7  |   | E.S.E.  | S.W.   | 1/2    |                          |           | from S.E. haling toward South   |
| 9  |    |   |         |        |        |                          |           | at 3 Pm took ship to            |
| 10 |    |   |         |        |        |                          |           | Eastern Light fog foghorn stand |
| 11 |    |   |         |        |        |                          |           | at 6 Pm Lights pumps            |
| 12 | 11 |   | S.E.    | S.W.   | 1/2    |                          |           | and Lookout standat to          |
| 1  |    |   |         |        |        |                          |           | at 8 Pm foggy foghorn           |
| 2  |    |   |         |        |        |                          |           | standat to                      |
| 3  |    |   |         |        |        |                          |           | at 12 Pm clear Light Wind       |
| 4  | 9  |   | E.S.E.  | S.W.   | 1/2    |                          |           | ships head S.E.                 |
| 5  |    |   |         |        |        |                          |           |                                 |
| 6  |    |   |         |        |        |                          |           |                                 |
| 7  |    |   |         |        |        |                          |           |                                 |
| 8  | 5  |   | S.W.    | West   | 1/2    |                          |           | at 4 Pm Heavy Light Breeze      |
| 9  |    |   |         |        |        |                          |           | Baiting from S toward West      |
| 10 |    |   |         |        |        |                          |           | foggy calm                      |
| 11 |    |   |         |        |        |                          |           | at 8 am calm and foggy foghorn  |
| 12 | 3  |   | S.S.W.  | N.W.   | 1/2    |                          |           | standat to                      |

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob.

S 1 W 36 miles 36 S 1 W 55° 19' N 19° E 1 W 165° 17' W

| H  | K  | F | COURSES | WINDS  | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                       |
|----|----|---|---------|--------|--------|--------------------------|-----------|-------------------------------|
|    |    |   |         |        |        |                          |           | Sat 27 day of August 1910     |
| 1  |    |   |         |        |        |                          |           |                               |
| 2  |    |   |         |        |        |                          |           |                               |
| 3  |    |   |         |        |        |                          |           |                               |
| 4  | 12 |   | S.W.    | N.W.   | —      |                          |           | at 4 Pm. Biting Wavy foggy    |
| 5  |    |   |         |        |        |                          |           | to go thru the mainmast pass  |
| 6  |    |   |         |        |        |                          |           | held up on the Wind           |
| 7  |    |   |         |        |        |                          |           | Waiting for clear weather     |
| 8  | 8  |   | N.W.    | N.N.E. | —      |                          |           | to go thru foghorn strikingly |
| 9  |    |   |         |        |        |                          |           | standat to                    |
| 10 |    |   |         |        |        |                          |           | at 6 Pm pumps Lights and      |
| 11 |    |   |         |        |        |                          |           | Lookout ob ships Duty         |
| 12 | 6  |   | N.W.    | N.E.   | —      |                          |           | at 8 Pm still Biting Clouds   |
| 1  |    |   |         |        |        |                          |           | haul on the starboard tack    |
| 2  |    |   |         |        |        |                          |           | Wavy foggy Light Wind from    |
| 3  |    |   |         |        |        |                          |           | N.E.                          |
| 4  | 3  |   | S.E.    | N.E.   | —      |                          |           | at 12 Pm. still foggy and     |
| 5  |    |   |         |        |        |                          |           | calm                          |
| 6  |    |   |         |        |        |                          |           | at 4 am took ship stand       |
| 7  |    |   |         |        |        |                          |           | in to the Easter still foggy  |
| 8  | 3  |   | S.E.    | N.W.   | —      |                          |           | at 4 am ships head S.E.       |
| 9  |    |   |         |        |        |                          |           | thick fog foghorn strikingly  |
| 10 |    |   |         |        |        |                          |           | standat to                    |
| 11 |    |   |         |        |        |                          |           | at 8 am still foggy calm      |
| 12 | 3  |   | S.S.E.  | N.W.   | —      |                          |           | at 12 am still foggy calm     |

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob.

S 57° W 9 miles 5' 5" 7' 10" N 55° 14' N 54° 40' N 19° E 13' W 165° 44' W

| H  | K  | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                         |
|----|----|---|---------|-------|--------|--------------------------|-----------|---------------------------------|
|    |    |   |         |       |        |                          |           | Sunday 28 day of August 1910    |
| 1  |    |   |         |       |        |                          |           |                                 |
| 2  |    |   |         |       |        |                          |           |                                 |
| 3  |    |   |         |       |        |                          |           |                                 |
| 4  | 8  |   | S.S.E.  | Calm  | —      |                          |           | at 4 Pm. a dense fog and        |
| 5  |    |   |         |       |        |                          |           | calm sounding foghorn           |
| 6  |    |   |         |       |        |                          |           | firmly Dept of Water from       |
| 7  |    |   |         |       |        |                          |           | 39 to 50 fathoms black          |
| 8  |    |   |         |       |        |                          |           | ground foghorn strikingly       |
| 9  |    |   |         |       |        |                          |           | standat to                      |
| 10 |    |   |         |       |        |                          |           | at 6 Pm Lights pumps and        |
| 11 |    |   |         |       |        |                          |           | Lookout ob ships Duty           |
| 12 |    |   |         |       |        |                          |           | at 8 Pm still foggy and         |
| 1  |    |   |         |       |        |                          |           | calm ships head N.W.            |
| 2  |    |   |         |       |        |                          |           | soundings head Bar S.E.         |
| 3  |    |   |         |       |        |                          |           |                                 |
| 4  | 19 |   | S.W.    | S.E.  | 1/2    |                          |           | at 12 Pm Sounding head still    |
| 5  |    |   |         |       |        |                          |           | in sight ships head S.W.        |
| 6  | 20 |   | E.N.E.  | S.E.  | 1/2    |                          |           | Light Wind                      |
| 7  |    |   |         |       |        |                          |           | at 4 am took ship and           |
| 8  | 7  |   | S.W.    | S.E.  | 1/2    |                          |           | stood to the N.E. Wind freshing |
| 9  |    |   |         |       |        |                          |           | at 6 am took ship and           |
| 10 |    |   |         |       |        |                          |           | stood to the Easter moderate    |
| 11 |    |   |         |       |        |                          |           | Wind from S.E.                  |
| 12 | 9  |   | N.E.    | S.E.  | 1/2    |                          |           | at 8 foggy Wind Light S.W.      |

Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob.

S 2° W 20 miles 20 S 2° W 54° 54' N 54° 54' N 19° E 20 W 165° 14' W

Journal from *Nushagak*towards *San Francisco*Journal from *Nushagak*towards *San Francisco*

| H  | K  | F | COURSES  | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                       | H  | K  | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                         |
|----|----|---|----------|-------|--------|--------------------------|-----------|-------------------------------|----|----|---|---------|-------|--------|--------------------------|-----------|---------------------------------|
|    |    |   |          |       |        |                          |           | Monday 29 day of August 1910  |    |    |   |         |       |        |                          |           | 31 day of August 1910           |
| 1  |    |   |          |       |        |                          |           | at 1:30 Pm Tackit Ship        | 1  |    |   |         |       |        |                          |           | at 4 Pm a strong Wind           |
| 2  | 21 |   | NE       | SE    | 1/2    |                          |           | Savchik had Bar Ex S 4 S      | 2  |    |   |         |       |        |                          |           | from SSW and Chare              |
| 3  |    |   |          |       |        |                          |           | Wind moderat from SE Cloud    | 3  |    |   |         |       |        |                          |           | ships had ESE ships Dutis       |
| 4  | 18 |   | SSW      | ESE   | 1/2    |                          |           | at 4 Pm Squally at what Light | 4  | 39 |   | ESE     | SSW   | 1/2    |                          |           | at standat to                   |
| 5  |    |   |          |       |        |                          |           | sails and fard galin sail     | 5  |    |   |         |       |        |                          |           | at 6 Pm Lights pumps and        |
| 6  | 10 |   | SxW      | SE    | 1/2    |                          |           | at 6 Pm pumps Lights and      | 6  |    |   |         |       |        |                          |           | Lookant at standat to stow      |
| 7  |    |   |          |       |        |                          |           | Lockant at standat to         | 7  |    |   |         |       |        |                          |           | for and main Rayels strong      |
| 8  | 12 |   | NE       | SE    | 1/2    |                          |           | at 8 Pm Tackit Ship to South  | 8  | 40 |   | ESE     | SSW   | 1/2    |                          |           | Prinse from SSW                 |
| 9  |    |   |          |       |        |                          |           | at 10 Pm Tackit Ship to North | 9  |    |   |         |       |        |                          |           | at 8 Pm a moderat Bruse         |
| 10 | 12 |   | South    | SE    | 1/2    |                          |           | at 12 Am Tackit Ship to San   | 10 |    |   |         |       |        |                          |           | from SSW and Chare ship         |
| 11 |    |   |          |       |        |                          |           | at 3 Am Tackit Ship to N      | 11 |    |   |         |       |        |                          |           | Dutis at standat to             |
| 12 | 12 |   | NE 1/2 E | ESE   | 1/2    |                          |           | at 5 Am Tackit Ship to S      | 12 | 38 |   | ESE     | SSW   | 1/2    |                          |           | at 12 Pm Squally with Light     |
| 1  |    |   |          |       |        |                          |           | at 8 Am Tackit Ship to N      | 1  |    |   |         |       |        |                          |           | Rayen fishing                   |
| 2  |    |   |          |       |        |                          |           | at 11 Am Tackit Ship to S     | 2  |    |   |         |       |        |                          |           | at 4 Am Wind moderat            |
| 3  | 13 |   | South    | ESE   | 1/2    |                          |           | Bung foggy During the         | 3  |    |   |         |       |        |                          |           | South the main and far Rayels   |
| 4  | 4  |   | NE 1/2 N | ESE   | 1/2    |                          |           | half Water fog harn and       | 4  | 30 |   | ESE     | SSW   | 1/2    |                          |           | gaptapsal and midit stay        |
| 5  | 6  |   | NE 1/2 N | ESE   | 1/2    |                          |           | Lockant at standat to         | 5  |    |   |         |       |        |                          |           | sail at 8 Am a moderat Bruse    |
| 6  |    |   |          |       |        |                          |           | also ships Dutis in           | 6  |    |   |         |       |        |                          |           | at 12 Am Ob off at standat to   |
| 7  |    |   |          |       |        |                          |           | making short Tacks the        | 7  |    |   |         |       |        |                          |           | also ships Dutis from main till |
| 8  | 16 |   | SxL      | ESE   | 1/2    |                          |           | half night olds Wall and      | 8  | 34 |   | ESE     | SSW   | 1/2    |                          |           | noon                            |
| 9  |    |   |          |       |        |                          |           | ships Dutis at standat        | 9  |    |   |         |       |        |                          |           | 14 Days Out                     |
| 10 |    |   |          |       |        |                          |           | 12 Days Out                   | 10 |    |   |         |       |        |                          |           |                                 |
| 11 | 18 |   | South    | ESE   | 1/2    |                          |           |                               | 11 |    |   |         |       |        |                          |           |                                 |
| 12 |    |   |          |       |        |                          |           |                               | 12 | 32 |   | ESE     | SSW   | 1/2    |                          |           |                                 |

| Course                  | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. | Course  | Distance  | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|-------------------------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|---------|-----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| Variable Course and Dis | 5° 5' S  | 5° W          | 87° 4' N  |              |             | 19 E      | 5 W           | 165° 11' W   |             | S 60° E | 211 miles | 1° 41' S      | 182° 7' E | 62° 20' N    | 62° 17' N   | 17° 41' E | 5° 4' E       | 158° 38' W   | 158° 38' W  |

| H  | K     | F | COURSES    | WINDS  | LEEWAY          | Thermometer<br>Air Water | Barometer | REMARKS                                                   | H  | K  | F | COURSES  | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                            |
|----|-------|---|------------|--------|-----------------|--------------------------|-----------|-----------------------------------------------------------|----|----|---|----------|-------|--------|--------------------------|-----------|------------------------------------|
|    |       |   |            |        |                 |                          |           | Tuesday 30 day of August 1910                             |    |    |   |          |       |        |                          |           | Thursday 1st day of September 1910 |
| 1  |       |   |            |        |                 |                          |           | at 3 Pm Tackit Ship - Light                               | 1  |    |   |          |       |        |                          |           | at 4 Pm a Light Wind from          |
| 2  |       |   |            |        |                 |                          |           | Wind and thick fog                                        | 2  |    |   |          |       |        |                          |           | SSW and Chare ships Dutis          |
| 3  | 16    |   | SSW        | ESE    | 1/2             |                          |           | at 4 Pm still foggy sounding                              | 3  |    |   |          |       |        |                          |           | at standat to all is well          |
| 4  | 4     |   | NE 1/2 N   | ESE    | 1/2             |                          |           | Tackin priguunkhy                                         | 4  | 30 |   | ESE      | SSW   | 1/2    |                          |           | at 6 Pm Lights pumps               |
| 5  |       |   |            |        |                 |                          |           | at 6 Pm sighted Scotch Cape                               | 5  |    |   |          |       |        |                          |           | and Lookant at standat to          |
| 6  | 5 1/2 |   | NE 1/2 N   | ESE    | 1/2             |                          |           | thru the fog Distances of about                           | 6  |    |   |          |       |        |                          |           | at 8 Pm Light Wind from            |
| 7  |       |   |            |        |                 |                          |           | 5 miles Tackit Ship                                       | 7  | 24 |   | ESE      | SSW   | 1/2    |                          |           | SSW and Chare                      |
| 8  | 3     |   | NE 1/2 N   | ESE    | 1/2             |                          |           | 7 1/2 Tackit Ship again                                   | 8  |    |   |          |       |        |                          |           | at 12 Pm still a very Light        |
| 9  |       |   |            |        |                 |                          |           | at 8 Tackit Ship still                                    | 9  |    |   |          |       |        |                          |           | Wind from SSW Lights and           |
| 10 | 8     |   | South      | ESE    | 1/2             |                          |           | Wary foggy Wind Light Bung                                | 10 | 19 |   | ESE      | SSW   | 1/2    |                          |           | Lookant at standat to              |
| 11 | 4     |   | NE 1/2 N   | Varial | Winds and foggy |                          |           | by calculation in the Pass                                | 11 |    |   |          |       |        |                          |           | at 4 Am Calm here                  |
| 12 |       |   |            |        |                 |                          |           | also pumps Lights and fog                                 | 12 | 6  |   | ESE      | SSW   | 1/2    |                          |           | at 8 Am Light Wind from            |
| 1  |       |   |            |        |                 |                          |           | harn strictly at standat to                               | 1  |    |   |          |       |        |                          |           | SE with Light Rayen                |
| 2  |       |   |            |        |                 |                          |           | foggy on the the Knight                                   | 2  |    |   |          |       |        |                          |           | at 12 Am Light Wind and            |
| 3  |       |   |            |        |                 |                          |           | fog harn strictly at standat to                           | 3  |    |   |          |       |        |                          |           | Clouds Ob off and ships Dutis      |
| 4  |       |   |            |        |                 |                          |           | also ships Dutis                                          | 4  |    |   |          |       |        |                          |           | at standat to off is well          |
| 5  |       |   |            |        |                 |                          |           | at 8 Am Ngamack Island SxWxW                              | 5  |    |   |          |       |        |                          |           | 15 Days Out                        |
| 6  |       |   |            |        |                 |                          |           | Scotch Cape Bar WxW ships made East Chare Wind Very Light | 6  | 1  |   | NE 1/2 E | SSE   | 1/2    |                          |           |                                    |
| 7  |       |   |            |        |                 |                          |           | and a hove head sea from S-E star of study on the sea Bar | 7  |    |   |          |       |        |                          |           |                                    |
| 8  |       |   |            |        |                 |                          |           | at 12 Am Wind increasing from                             | 8  |    |   |          |       |        |                          |           |                                    |
| 9  |       |   |            |        |                 |                          |           | WSW Ob standat to Chare                                   | 9  |    |   |          |       |        |                          |           |                                    |
| 10 |       |   |            |        |                 |                          |           | on the 31st in morning then the Pass at 9 am 15 Days out  | 10 |    |   |          |       |        |                          |           |                                    |
| 11 |       |   |            |        |                 |                          |           |                                                           | 11 |    |   |          |       |        |                          |           |                                    |
| 12 | 21    |   | Ex S 1/2 S | WSW    | —               |                          |           |                                                           | 12 | 12 |   | NE 1/2 N | SE    | 1/2    |                          |           |                                    |

| Course            | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. | Course  | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|-------------------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|---------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| Variable and Dist | 2° 18'   | 7° 1' E       | 54° 06' N | 54° 05' N    | 17° 41' E   | 31° E     | 164° 21' W    | 164° 01' W   |             | S 69° E | 85 miles | 29° S         | 77° 8' E  | 61° 48' N    | 61° 35' N   | 18° E     | 2° 06' E      | 154° 26' W   |             |

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| H                                                                                                                 | K  | F | COURSES     | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                                                           | H  | K  | F | COURSES     | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                           |
|-------------------------------------------------------------------------------------------------------------------|----|---|-------------|-------|--------|-------------|-------|-----------|-------------------------------------------------------------------------------------------------------------------|----|----|---|-------------|-------|--------|-------------|-------|-----------|-----------------------------------|
|                                                                                                                   |    |   |             |       |        | Air         | Water |           |                                                                                                                   |    |    |   |             |       |        | Air         | Water |           |                                   |
| 1                                                                                                                 | 8  |   | South       | SE    | 1/2    |             |       |           | at 1 Pm. Tackl ship and                                                                                           | 1  |    |   |             |       |        |             |       |           | at 4 Pm. Light Wind and           |
| 2                                                                                                                 |    |   |             |       |        |             |       |           | stood to the South                                                                                                | 2  |    |   |             |       |        |             |       |           | Chare ships duties at standat     |
| 3                                                                                                                 |    |   |             |       |        |             |       |           | at 4 Pm Wind being to the                                                                                         | 3  |    |   |             |       |        |             |       |           | to Old is Wall                    |
| 4                                                                                                                 | 13 |   | E x S       | SSW   | 1/2    |             |       |           | South again Tackl ship                                                                                            | 4  | 24 |   | E x S 1/4 S | SW    | 1/2    |             |       |           | at 6 Pm pumps Lights              |
| 5                                                                                                                 |    |   |             |       |        |             |       |           | and stood to the Eastward                                                                                         | 5  |    |   |             |       |        |             |       |           | and Lookant at standat to         |
| 6                                                                                                                 |    |   |             |       |        |             |       |           | ships head by standard                                                                                            | 6  |    |   |             |       |        |             |       |           | also ships Duties                 |
| 7                                                                                                                 |    |   |             |       |        |             |       |           | Compass E x S foggy fogham                                                                                        | 7  | 19 |   | E x S 1/4 S | SW    | 1/2    |             |       |           | at 8 Pm Light Wind and            |
| 8                                                                                                                 | 38 |   | E x S       | SSW   | 1/2    |             |       | 30%       | strikingly at standat to                                                                                          | 8  |    |   |             |       |        |             |       |           | Chare                             |
| 9                                                                                                                 |    |   |             |       |        |             |       |           | at 6 Pm pumps Lights and                                                                                          | 9  |    |   |             |       |        |             |       |           |                                   |
| 10                                                                                                                |    |   |             |       |        |             |       |           | fogham strikingly at standat to                                                                                   | 10 |    |   |             |       |        |             |       |           |                                   |
| 11                                                                                                                |    |   |             |       |        |             |       |           | at 8 Pm a madrat Buase                                                                                            | 11 |    |   |             |       |        |             |       |           |                                   |
| 12                                                                                                                | 44 |   | E x S       | SSW   | 1/2    |             |       |           | from SSW and here                                                                                                 | 12 | 14 |   | E x S 1/4 S | SW    | 1/2    |             |       |           | at 12 Pm Light Wind and           |
| 1                                                                                                                 |    |   |             |       |        |             |       |           | at 12 Pm a Irish Buase                                                                                            | 1  |    |   |             |       |        |             |       |           | Chare ships Duties at standat     |
| 2                                                                                                                 |    |   |             |       |        |             |       |           | from SSW Clouds at intervals                                                                                      | 2  |    |   |             |       |        |             |       |           |                                   |
| 3                                                                                                                 |    |   |             |       |        |             |       |           | foggy fogham strikingly at standat                                                                                | 3  |    |   |             |       |        |             |       |           |                                   |
| 4                                                                                                                 | 38 |   | E x S       | SSW   | 1/2    |             |       |           | to                                                                                                                | 4  | 16 |   | E x S 1/4 S | SW    | 1/2    |             |       |           | at 4 Am Wind Freshing             |
| 5                                                                                                                 |    |   |             |       |        |             |       |           | at 3 Am at standat for and main                                                                                   | 5  |    |   |             |       |        |             |       |           |                                   |
| 6                                                                                                                 |    |   |             |       |        |             |       |           | Ryals freshing                                                                                                    | 6  |    |   |             |       |        |             |       |           |                                   |
| 7                                                                                                                 |    |   |             |       |        |             |       |           | at 8 Am at the main and fan                                                                                       | 7  |    |   |             |       |        |             |       |           |                                   |
| 8                                                                                                                 | 39 |   | E x S       | SSW   | 1/2    |             |       |           | Ryals Wind freshing and                                                                                           | 8  | 11 |   | E x S 1/4 S | SW    | 1/2    |             |       |           | at 8 Am still a Light             |
| 9                                                                                                                 |    |   |             |       |        |             |       |           | foggy fogham strikingly at standat                                                                                | 9  |    |   |             |       |        |             |       |           | Wind from NW ships                |
| 10                                                                                                                |    |   |             |       |        |             |       |           | at 12 Am Ob Ott at standat                                                                                        | 10 |    |   |             |       |        |             |       |           | Duties at standat to              |
| 11                                                                                                                |    |   |             |       |        |             |       |           | Light and fresh at Buase Chase                                                                                    | 11 |    |   |             |       |        |             |       |           |                                   |
| 12                                                                                                                | 37 |   | E x S       | SSW   | 1/2    |             |       |           | 16 Days Out                                                                                                       | 12 | 7  |   | E x S 1/4 S | SW    | 1/2    |             |       |           | at 12 Am still a Light Wind       |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |   |             |       |        |             |       |           | Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |    |   |             |       |        |             |       |           |                                   |
| S 60 E 211 miles 1° 43' S 182' E 50° 4' N 50° 7' N 20 E 4° 44' E 151° 42'                                         |    |   |             |       |        |             |       |           | S 67 E 85 miles 43' S 72' E 47° 46' N 47° 31' N 21° E 1° 49' E 144° 42' W 145° 04' W                              |    |    |   |             |       |        |             |       |           |                                   |
| H                                                                                                                 | K  | F | COURSES     | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                                                           | H  | K  | F | COURSES     | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                           |
|                                                                                                                   |    |   |             |       |        | Air         | Water |           |                                                                                                                   |    |    |   |             |       |        | Air         | Water |           |                                   |
| 1                                                                                                                 |    |   |             |       |        |             |       |           | at 4 Pm a madrat Buase                                                                                            | 1  |    |   |             |       |        |             |       |           | at 4 Pm foggy with Light          |
| 2                                                                                                                 |    |   |             |       |        |             |       |           | from SSW and Chare ships                                                                                          | 2  |    |   |             |       |        |             |       |           | Wind fogham strikingly at standat |
| 3                                                                                                                 |    |   |             |       |        |             |       |           | Duties at standat to                                                                                              | 3  |    |   |             |       |        |             |       |           | to also ships Duties              |
| 4                                                                                                                 | 38 |   | E x S       | SSW   | 1/2    |             |       |           | at 6 Pm Lights pumps and                                                                                          | 4  | 16 |   | E x S 1/4 S | WNW   | —      |             |       |           | at 6 Pm pumps Lights and          |
| 5                                                                                                                 |    |   |             |       |        |             |       |           | Lookant at standat to ships                                                                                       | 5  |    |   |             |       |        |             |       |           | Lookant at standat to             |
| 6                                                                                                                 |    |   |             |       |        |             |       |           | head E x S                                                                                                        | 6  |    |   |             |       |        |             |       |           | at 8 Pm still a Light Wind        |
| 7                                                                                                                 |    |   |             |       |        |             |       |           |                                                                                                                   | 7  |    |   |             |       |        |             |       |           | from NW Charing app.              |
| 8                                                                                                                 | 36 |   | E x S       | SSW   | 1/2    |             |       |           | at 8 Pm Light Wind and                                                                                            | 8  | 24 |   | E x S 1/4 S | NNW   | —      |             |       |           | Lights and Lookant at standat     |
| 9                                                                                                                 |    |   |             |       |        |             |       |           | foggy fogham and Lookant                                                                                          | 9  |    |   |             |       |        |             |       |           | to                                |
| 10                                                                                                                |    |   |             |       |        |             |       |           | at standat to                                                                                                     | 10 |    |   |             |       |        |             |       |           |                                   |
| 11                                                                                                                |    |   |             |       |        |             |       |           |                                                                                                                   | 11 |    |   |             |       |        |             |       |           |                                   |
| 12                                                                                                                | 31 |   | E x S 1/4 S | SSW   | 1/2    |             |       |           | at 12 Pm still foggy and                                                                                          | 12 | 17 |   | E x S 1/4 S | NNW   | —      |             |       |           | at 12 Pm Light Wind and           |
| 1                                                                                                                 |    |   |             |       |        |             |       |           | Light Wind fogham and                                                                                             | 1  |    |   |             |       |        |             |       |           | foggy at intervals fogham         |
| 2                                                                                                                 |    |   |             |       |        |             |       |           | Lookant at standat to                                                                                             | 2  |    |   |             |       |        |             |       |           | at standat to                     |
| 3                                                                                                                 |    |   |             |       |        |             |       |           |                                                                                                                   | 3  |    |   |             |       |        |             |       |           |                                   |
| 4                                                                                                                 | 25 |   | E x S 1/4 S | SSW   | 1/2    |             |       |           | at 8 Am Light Wind and                                                                                            | 4  | 22 |   | E x S 1/4 S | NNW   | —      |             |       |           | at 4 Am Wind freshing             |
| 5                                                                                                                 |    |   |             |       |        |             |       |           | foggy fogham and Lookant                                                                                          | 5  |    |   |             |       |        |             |       |           | from NW and Charing app.          |
| 6                                                                                                                 |    |   |             |       |        |             |       |           | at standat to also ships Duties                                                                                   | 6  |    |   |             |       |        |             |       |           | at 8 Am a madrat Buase            |
| 7                                                                                                                 |    |   |             |       |        |             |       |           | at 12 Am Ob Ott at standat to                                                                                     | 7  |    |   |             |       |        |             |       |           | from NW and Chare ships           |
| 8                                                                                                                 | 27 |   | E x S 1/4 S | SSW   | 1/2    |             |       |           | Light Wind Chare ships Duties                                                                                     | 8  | 28 |   | E x S 1/4 S | NNW   | —      |             |       |           | Duties at standat to              |
| 9                                                                                                                 |    |   |             |       |        |             |       |           | at standat to                                                                                                     | 9  |    |   |             |       |        |             |       |           | at 12 Am Ob Ott at standat to     |
| 10                                                                                                                |    |   |             |       |        |             |       |           |                                                                                                                   | 10 |    |   |             |       |        |             |       |           | also ships Duties from main till  |
| 11                                                                                                                |    |   |             |       |        |             |       |           |                                                                                                                   | 11 |    |   |             |       |        |             |       |           | 17 Days Out                       |
| 12                                                                                                                | 20 |   | E x S 1/4 S | SW    | 1/2    |             |       |           | 17 Days Out                                                                                                       | 12 | 26 |   | E x S 1/4 S | NNW   | —      |             |       |           |                                   |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |   |             |       |        |             |       |           | Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |    |   |             |       |        |             |       |           |                                   |
| S 59 E 127 miles 1° 31' S 151' E 48° 36' N 48° 29' N 21° E 3° 51' E 147° 51' W 148° 31' W                         |    |   |             |       |        |             |       |           | S 59 E 132 miles 1° 8' S 115' E 46° 28' N 46° 14' N 21° E 1° 46' E 142° 18' W 142° 14' W                          |    |    |   |             |       |        |             |       |           |                                   |

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| H      | K         | F             | COURSES     | WINDS        | LEEWAY      | Thermometer | Barometer     | REMARKS                                                                                              | H           | K      | F        | COURSES       | WINDS     | LEEWAY       | Thermometer | Barometer | REMARKS                                                                                              |              |             |
|--------|-----------|---------------|-------------|--------------|-------------|-------------|---------------|------------------------------------------------------------------------------------------------------|-------------|--------|----------|---------------|-----------|--------------|-------------|-----------|------------------------------------------------------------------------------------------------------|--------------|-------------|
|        |           |               |             |              |             | Air         | Water         |                                                                                                      |             |        |          |               |           |              | Air         | Water     |                                                                                                      |              |             |
|        |           |               |             |              |             |             |               | Thurs 6 day of September 1910                                                                        |             |        |          |               |           |              |             |           | Thurs 8 day of September 1910                                                                        |              |             |
| 1      |           |               |             |              |             |             |               | at 4 P.m. Wind freshening from NW and Chare ships Duties at standat to                               | 1           |        |          |               |           |              |             |           | at 4 P.m. Calm and Chare ships Duties at standat to                                                  |              |             |
| 2      |           |               |             |              |             |             |               | at 6 P.m. pumps Lights and Lockout at standat to                                                     | 2           |        |          |               |           |              |             |           | at 6 P.m. pumps Light and Lockout at standat to                                                      |              |             |
| 3      | 31        |               | E x S 1/4 S | NW           | —           |             |               | at 8 P.m. amadrast Breeze from NW and Chare                                                          | 3           |        |          |               |           |              |             |           | at 8 P.m. Calm and Chare                                                                             |              |             |
| 4      |           |               |             |              |             |             |               |                                                                                                      | 4           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 5      |           |               |             |              |             |             |               |                                                                                                      | 5           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 6      | 38        |               | E x S 1/4 S | NW           | —           |             |               | at 12 P.m. squally Wind Baffling With Light Rain Clouds                                              | 6           |        |          |               |           |              |             |           | at 12 P.m. Calm and Chare During the Watch                                                           |              |             |
| 7      |           |               |             |              |             |             |               |                                                                                                      | 7           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 8      |           |               |             |              |             |             |               |                                                                                                      | 8           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 9      |           |               |             |              |             |             |               |                                                                                                      | 9           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 10     | 40        |               | E x S 1/4 S | NW           | —           |             |               | at 4 A.m. still squally With Light Rain freshening from North ships Duties at standat                | 10          |        |          |               |           |              |             |           | at 4 A.m. a Very Light Breeze from the Westward ships head E x S Course                              |              |             |
| 11     |           |               |             |              |             |             |               |                                                                                                      | 11          |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 12     |           |               |             |              |             |             |               |                                                                                                      | 12          |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 1      |           |               |             |              |             |             |               |                                                                                                      | 1           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 2      |           |               |             |              |             |             |               |                                                                                                      | 2           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 3      |           |               |             |              |             |             |               |                                                                                                      | 3           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 4      | 40        |               | E x S 1/4 S | NW           | —           |             |               | at 8 A.m. still freshening from NW Chare ships Duties at standat                                     | 4           | 15     |          | E 1/2 S       | West      |              |             |           | at 8 A.m. Chare ships Duties at standat to also ships Duties a Very Light Breeze from the Westward   |              |             |
| 5      |           |               |             |              |             |             |               |                                                                                                      | 5           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 6      |           |               |             |              |             |             |               |                                                                                                      | 6           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 7      |           |               |             |              |             |             |               |                                                                                                      | 7           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 8      | 41        |               | E x S 1/4 S | NW           | —           |             |               | at 12 A.m. Obs. Ctt. at standat to also ships Duties from noon till                                  | 8           | 10     |          | E 1/2 S       | West      |              |             |           | at 12 A.m. Obs. Ctt. at standat to also ships Duties from noon till                                  |              |             |
| 9      |           |               |             |              |             |             |               |                                                                                                      | 9           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 10     |           |               |             |              |             |             |               |                                                                                                      | 10          |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 11     |           |               |             |              |             |             |               |                                                                                                      | 11          |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 12     | 34        |               | E x S 1/4 S | NW           | —           |             |               | at 4 A.m. still freshening from NW Chare ships Duties at standat to also ships Duties from noon till | 12          | 12     |          | E 1/2 S       | West      |              |             |           | at 4 A.m. still freshening from NW Chare ships Duties at standat to also ships Duties from noon till |              |             |
|        |           |               |             |              |             |             |               |                                                                                                      |             |        |          |               |           |              |             |           |                                                                                                      |              |             |
| Course | Distance  | Diff. of Lat. | Departure   | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R.                                                                                         | Lon. by Ob. | Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon.                                                                                        | Lon. by D.R. | Lon. by Ob. |
| S 59 E | 224 miles | 1° 58' S      | 192' E      | 44° 18' N    | 43° 44' N   | 21° E       | 4° 31' E      | 137° 47' W                                                                                           | 138° 01' W  | S 56 E | 37 miles | 20° S         | 30' E     | 42° 07' N    | 42° 26' N   | 21° E     | 41' E                                                                                                | 134° 41' W   | 134° 35' W  |
| H      | K         | F             | COURSES     | WINDS        | LEEWAY      | Thermometer | Barometer     | REMARKS                                                                                              | H           | K      | F        | COURSES       | WINDS     | LEEWAY       | Thermometer | Barometer | REMARKS                                                                                              |              |             |
|        |           |               |             |              |             | Air         | Water         |                                                                                                      |             |        |          |               |           |              | Air         | Water     |                                                                                                      |              |             |
|        |           |               |             |              |             |             |               | Wed Day 7. day of September 1910                                                                     |             |        |          |               |           |              |             |           | Friday 9 day of September 1910                                                                       |              |             |
| 1      |           |               |             |              |             |             |               | at 4 P.m. Wind Baffling from NW to North with squalls and Light Rain ships Duties at standat to      | 1           |        |          |               |           |              |             |           | at 4 P.m. a Very Light Wind from South Baffling to SE ships Duties at standat to                     |              |             |
| 2      |           |               |             |              |             |             |               |                                                                                                      | 2           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 3      |           |               |             |              |             |             |               |                                                                                                      | 3           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 4      | 29        |               | E x S       | NW           | —           |             |               | at 6 P.m. pumps Lights and Lockout at standat to                                                     | 4           | 10     |          | E 1/2 S       | SSE       | 1/2          |             |           | at 6 P.m. pumps Lights and Lockout at standat to also ships Duties                                   |              |             |
| 5      |           |               |             |              |             |             |               |                                                                                                      | 5           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 6      |           |               |             |              |             |             |               |                                                                                                      | 6           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 7      |           |               |             |              |             |             |               |                                                                                                      | 7           | 8      |          | E x N         | SE        | 1/2          |             |           | at 8 P.m. a Very Light Wind Baffling from SW to ESE Calm at intervals                                |              |             |
| 8      | 26        |               | E x S       | NW           | —           |             |               | at 12 P.m. still Light Wind and Clouds Wind Baffling from NW to NE                                   | 8           |        |          |               |           |              |             |           | at 12 P.m. still a Light Wind from South Baffling to Wind East Clouds                                |              |             |
| 9      |           |               |             |              |             |             |               |                                                                                                      | 9           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 10     |           |               |             |              |             |             |               |                                                                                                      | 10          |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 11     |           |               |             |              |             |             |               |                                                                                                      | 11          |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 12     | 21        |               | E x S       | NW           | —           |             |               | at 4 A.m. still a Light Wind from North Chare                                                        | 12          | 5      |          | NE x E        | ESE       | 1/2          |             |           | at 4 A.m. still a Very Light Wind from ESE Clouds                                                    |              |             |
| 1      |           |               |             |              |             |             |               |                                                                                                      | 1           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 2      |           |               |             |              |             |             |               |                                                                                                      | 2           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 3      |           |               |             |              |             |             |               |                                                                                                      | 3           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 4      | 18        |               | E x S       | NW           | —           |             |               | at 8 A.m. Obs. Ctt. at standat to Light Wind parting Calm                                            | 4           | 10     |          | NE x N        | ESE       | 1/2          |             |           | at 8 A.m. Light Wind from ESE Clouds with Light squalls of Rain ships Duties at standat to           |              |             |
| 5      |           |               |             |              |             |             |               |                                                                                                      | 5           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 6      |           |               |             |              |             |             |               |                                                                                                      | 6           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 7      |           |               |             |              |             |             |               |                                                                                                      | 7           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 8      | 9         |               | E x S       | NW           | —           |             |               | at 12 A.m. still a Very Light Wind from North Chare                                                  | 8           | 9      |          | NE            | ESE       | 1/2          |             |           | at 12 A.m. Light Wind from NE Clouds Light Rain ships Duties at standat to                           |              |             |
| 9      |           |               |             |              |             |             |               |                                                                                                      | 9           |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 10     |           |               |             |              |             |             |               |                                                                                                      | 10          |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 11     |           |               |             |              |             |             |               |                                                                                                      | 11          |        |          |               |           |              |             |           |                                                                                                      |              |             |
| 12     | 6         |               | E x S       | NW           | —           |             |               | at 8 A.m. still a Very Light Wind from ESE Clouds                                                    | 12          | 9      |          | SE            | NE        | 1/2          |             |           | at 8 A.m. still a Very Light Wind from ESE Clouds                                                    |              |             |
|        |           |               |             |              |             |             |               |                                                                                                      |             |        |          |               |           |              |             |           |                                                                                                      |              |             |
| Course | Distance  | Diff. of Lat. | Depart      | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R.                                                                                         | Lon. by Ob. | Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon.                                                                                        | Lon. by D.R. | Lon. by Ob. |
| S 60 E | 105 miles | 52' S         | 90' E       | 42° 55' N    | 42° 47' N   | 21° E       | 2° 04' E      | 138° 57' W                                                                                           | 138° 52' W  | S 76 E | 49 miles | 2' S          | 42' E     | 42° 24' N    | 42° 24' N   | 21° E     | 57' E                                                                                                | 133° 18' W   | 133° 18' W  |

Journal from *Nuragak*towards *San Francisco*Journal from *Nuragak*towards *San Francisco*

| H  | K  | F | COURSES    | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                          | H  | K  | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                           |
|----|----|---|------------|-------|--------|--------------------------|-----------|----------------------------------|----|----|---|---------|-------|--------|--------------------------|-----------|-----------------------------------|
| 1  |    |   |            |       |        |                          |           | at 4 P.M. Light Wind from        | 1  |    |   |         |       |        |                          |           | at 4 P.M. Light Wind and          |
| 2  |    |   |            |       |        |                          |           | NE Belling With Rain             | 2  |    |   |         |       |        |                          |           | Chase ship's Duties standat to    |
| 3  |    |   |            |       |        |                          |           | Ship's Duties standat to         | 3  |    |   |         |       |        |                          |           | at 6 P.M. Lights pumps and        |
| 4  | 10 |   | SE 1/2 E   | NE    | 1/2    |                          |           |                                  | 4  | 25 |   | E 3/4 S | Varth | —      |                          |           | Lockout standat to                |
| 5  |    |   |            |       |        |                          |           | at 6 P.M. Lights pumps and       | 5  |    |   |         |       |        |                          |           | at 8 P.M. still a Light Wind      |
| 6  |    |   |            |       |        |                          |           | Lockout standat also ships       | 6  |    |   |         |       |        |                          |           | and Chase Wind Belling            |
| 7  |    |   |            |       |        |                          |           | Duties                           | 7  |    |   |         |       |        |                          |           | from N to NNE ship's Duties       |
| 8  | 9  |   | SE 1/2 S   | NE    | 1/2    |                          |           | at 8 P.M. a very Light Breeze    | 8  | 26 |   | E 3/4 S | N     | —      |                          |           | standat to                        |
| 9  |    |   |            |       |        |                          |           | from the West Cabin at intervals | 9  |    |   |         |       |        |                          |           | at 12 P.M. Light Wind and         |
| 10 |    |   |            |       |        |                          |           | ships head Ex 8 Course           | 10 |    |   |         |       |        |                          |           | Clouds With Light Squalls from    |
| 11 |    |   |            |       |        |                          |           | at 12 P.M. still a very Light    | 11 |    |   |         |       |        |                          |           | NNE Belling                       |
| 12 | 6  |   | Ex S 1/2 S | NE    | 1/2    |                          |           | Wind from NE Cabin at            | 12 | 26 |   | E 3/4 S | N     | —      |                          |           | at 4 P.M. still Light Wind        |
| 1  |    |   |            |       |        |                          |           | intervals Chase                  | 1  |    |   |         |       |        |                          |           | Partly Clear Wind Belling from    |
| 2  |    |   |            |       |        |                          |           |                                  | 2  |    |   |         |       |        |                          |           | NNE NE                            |
| 3  |    |   |            |       |        |                          |           |                                  | 3  |    |   |         |       |        |                          |           | at 8 P.M. Light Wind NW and       |
| 4  | 16 |   | E 1/2 S    | North | 1/2    |                          |           | at 4 P.M. a Light Breeze from    | 4  | 25 |   | E 3/4 S | N     | —      |                          |           | Clouds                            |
| 5  |    |   |            |       |        |                          |           | NNE and Chase                    | 5  |    |   |         |       |        |                          |           | at 12 P.M. Ob's Off standat to    |
| 6  |    |   |            |       |        |                          |           |                                  | 6  |    |   |         |       |        |                          |           | also ship's Duties from noon till |
| 7  |    |   |            |       |        |                          |           | at 8 P.M. Wind Gradually         | 7  |    |   |         |       |        |                          |           | noon Light Wind and Chase off's   |
| 8  | 16 |   | E 1/2 S    | North | —      |                          |           | increasing from North ship's     | 8  | 14 |   | E 3/4 S | N     | —      |                          |           | Will                              |
| 9  |    |   |            |       |        |                          |           | Duties standat to                | 9  |    |   |         |       |        |                          |           | 26 Days Out                       |
| 10 |    |   |            |       |        |                          |           | at 12 P.M. Ob's Off standat also | 10 |    |   |         |       |        |                          |           |                                   |
| 11 |    |   |            |       |        |                          |           | ships Duties from noon till      | 11 |    |   |         |       |        |                          |           |                                   |
| 12 | 17 |   | E 1/2 S    | North | —      |                          |           | noon 24 Days Out                 | 12 | 14 |   | E 3/4 S | N     | —      |                          |           |                                   |

| Course | Distance  | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. | Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|--------|-----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|--------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| S 53 E | 213 7/8 m | 41° S         | 56° E     | 41° 44' N    | 41° 36' N   | 21° E     | 1° 16' E      | 132° 22' W   | 131° 36' W  | S 67 E | 131 m    | 51° S         | 119° E    | 39° 07' N    | 38° 11' N   | 18° E     | 2° 34' E      | 125° 37' W   | 125° 38' W  |

| H  | K  | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                           | H  | K  | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                           |
|----|----|---|---------|-------|--------|--------------------------|-----------|-----------------------------------|----|----|---|---------|-------|--------|--------------------------|-----------|-----------------------------------|
| 1  |    |   |         |       |        |                          |           | at 4 P.M. a moderate Breeze       | 1  |    |   |         |       |        |                          |           | at 4 P.M. a very Light Wind       |
| 2  |    |   |         |       |        |                          |           | from North and Chase              | 2  |    |   |         |       |        |                          |           | Belling from NNE to ENE           |
| 3  |    |   |         |       |        |                          |           | ships Duties standat to           | 3  |    |   |         |       |        |                          |           | at 12 P.M. Ob's Off ship's        |
| 4  | 24 |   | E 3/4 S | North | —      |                          |           |                                   | 4  | 10 |   | E 1/2 S | North | 1/2    |                          |           | Duties standat to                 |
| 5  |    |   |         |       |        |                          |           | at 6 P.M. pumps Lights and        | 5  |    |   |         |       |        |                          |           | at 6 P.M. Lights pumps and        |
| 6  |    |   |         |       |        |                          |           | Lockout standat to                | 6  |    |   |         |       |        |                          |           | Lockout standat to                |
| 7  |    |   |         |       |        |                          |           | at 8 P.M. still a moderate        | 7  |    |   |         |       |        |                          |           | at 8 P.M. Lights Breeze from      |
| 8  | 30 |   | E 3/4 S | North | —      |                          |           | Breeze from North and             | 8  | 12 |   | East    | North | 1/2    |                          |           | North Belling to Wind NE          |
| 9  |    |   |         |       |        |                          |           | Chase ship's Duties and Lock      | 9  |    |   |         |       |        |                          |           | Clouds                            |
| 10 |    |   |         |       |        |                          |           | standat to                        | 10 |    |   |         |       |        |                          |           | at 12 P.M. still a Light Wind     |
| 11 |    |   |         |       |        |                          |           | at 12 P.M. a moderate Wind        | 11 |    |   |         |       |        |                          |           | from North Clouds Lights and      |
| 12 | 35 |   | E 3/4 S | North | —      |                          |           | Clouds Lights and Lockout         | 12 | 21 |   | East    | North | 1/2    |                          |           | Lockout standat to                |
| 1  |    |   |         |       |        |                          |           | standat to                        | 1  |    |   |         |       |        |                          |           | at 4 P.M. Light Breeze from       |
| 2  |    |   |         |       |        |                          |           | at 12 P.M. a moderate Wind        | 2  |    |   |         |       |        |                          |           | NNE have Lights and               |
| 3  |    |   |         |       |        |                          |           | Clouds Lights and Lockout         | 3  |    |   |         |       |        |                          |           | Lockout standat to                |
| 4  | 34 |   | E 3/4 S | North | —      |                          |           | standat to                        | 4  |    |   |         |       |        |                          |           |                                   |
| 5  |    |   |         |       |        |                          |           | at 4 P.M. still moderate          | 5  |    |   |         |       |        |                          |           |                                   |
| 6  |    |   |         |       |        |                          |           | Breeze from North Belling         | 6  |    |   |         |       |        |                          |           |                                   |
| 7  |    |   |         |       |        |                          |           | toward NNE ship's Duties standat  | 7  |    |   |         |       |        |                          |           |                                   |
| 8  | 34 |   | E 3/4 S | NNE   | —      |                          |           | Chasing Breeze for Part of San    | 8  | 24 |   | E 3/4 S | NNW   | 1/2    |                          |           | at 8 P.M. still a Light Wind      |
| 9  |    |   |         |       |        |                          |           | Francisco Observation standat     | 9  |    |   |         |       |        |                          |           | from NNE and Clouds and Belling   |
| 10 |    |   |         |       |        |                          |           | at 12 P.M. Ob's Off standat to    | 10 |    |   |         |       |        |                          |           | at 12 P.M. Ob's Off standat to    |
| 11 |    |   |         |       |        |                          |           | also ship's Duties from noon till | 11 |    |   |         |       |        |                          |           | also ship's Duties from noon till |
| 12 | 29 |   | E 3/4 S | NW    | —      |                          |           | noon 25 Days out                  | 12 | 22 |   | E S E   | NNW   | 1/2    |                          |           | noon 27 Days out                  |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. | Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|--------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|--------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| S 67 E | 186 m    | 10 1/2 S      | 171 E     | 41° 23' N    | 39° 59' N   | 18° E     | 3° 44' E      | 128° 38' W   | 128° 10' W  | S 64 E | 102 m    | 44° S         | 99 E      | 38° 07' N    | 37° 57' N   | 18° E     | 2° 6' E       | 125° 33' W   | 125° 37' W  |

towards Bristol Bay

[illegible]

## Journal from San Francisco towards Bristol Bay

## Journal from San Francisco towards Bristol Bay Alaska

| H                                                                                                                 | K  | F | COURSES  | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                   | H                                                                                                                 | K  | F | COURSES    | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                   |
|-------------------------------------------------------------------------------------------------------------------|----|---|----------|-------|--------|--------------------------|-----------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----|---|------------|-------|--------|--------------------------|-----------|-------------------------------------------|
|                                                                                                                   |    |   |          |       |        |                          |           | Friday 14 <sup>th</sup> day of April 1911 |                                                                                                                   |    |   |            |       |        |                          |           | Sunday 16 <sup>th</sup> day of April 1911 |
| 1                                                                                                                 |    |   |          |       |        |                          |           | at 4 Pm Madrat and                        | 1                                                                                                                 |    |   |            |       |        |                          |           | at 4 Pm Light Wind North                  |
| 2                                                                                                                 |    |   |          |       |        |                          |           | Light Wind Chase ships                    | 2                                                                                                                 |    |   |            |       |        |                          |           | and NW Wall Raising ships                 |
| 3                                                                                                                 |    |   |          |       |        |                          |           | Duties stand at to                        | 3                                                                                                                 |    |   |            |       |        |                          |           | Duties stand at to                        |
| 4                                                                                                                 | 28 |   | SW 1/2 W | NW    | 1/2    |                          |           | at 6 Pm Lights Pumps                      | 4                                                                                                                 | 20 |   | WNW        | North | —      |                          |           | at 6 Pm Lights Pumps and                  |
| 5                                                                                                                 |    |   |          |       |        |                          |           | and Lookout stand at to                   | 5                                                                                                                 |    |   |            |       |        |                          |           | Lookout stand at to also                  |
| 6                                                                                                                 |    |   |          |       |        |                          |           | at 8 Pm Light Madrat                      | 6                                                                                                                 |    |   |            |       |        |                          |           | ships Duties                              |
| 7                                                                                                                 |    |   |          |       |        |                          |           | Briase from NW                            | 7                                                                                                                 |    |   |            |       |        |                          |           | at 8 Pm still slight wind                 |
| 8                                                                                                                 | 30 |   | SW 1/2 W | NW    | 1/2    |                          |           | at 12 Pm Wind Boffling                    | 8                                                                                                                 | 15 |   | NW 1/2 W   | NE    | —      |                          |           | and Cloud Wind Boffling from              |
| 9                                                                                                                 |    |   |          |       |        |                          |           | from NW to NNW Cloud                      | 9                                                                                                                 |    |   |            |       |        |                          |           | NE                                        |
| 10                                                                                                                |    |   |          |       |        |                          |           | at Entrance                               | 10                                                                                                                |    |   |            |       |        |                          |           | at 12 Pm, Calm then haze                  |
| 11                                                                                                                |    |   |          |       |        |                          |           | at 4 am still slight Wind                 | 11                                                                                                                |    |   |            |       |        |                          |           | Watch and Chase                           |
| 12                                                                                                                | 29 |   | SW 1/2 W | NW    | 1/2    |                          |           | from NW Boffling                          | 12                                                                                                                |    |   |            |       |        |                          |           | at 4 am Calm ships Duties                 |
| 1                                                                                                                 |    |   |          |       |        |                          |           | at 8 am ships Duties stand                | 1                                                                                                                 |    |   |            |       |        |                          |           | at 8 am still Calm and                    |
| 2                                                                                                                 |    |   |          |       |        |                          |           | also sighted a steamer on                 | 2                                                                                                                 |    |   |            |       |        |                          |           | Cloud ships Duties stand                  |
| 3                                                                                                                 |    |   |          |       |        |                          |           | Starboard Bismarck being by               | 3                                                                                                                 |    |   |            |       |        |                          |           | at 12 am slight Briase from               |
| 4                                                                                                                 |    |   |          |       |        |                          |           | Calculation the steamer                   | 4                                                                                                                 |    |   |            |       |        |                          |           | WSW and Cloud observation                 |
| 5                                                                                                                 |    |   |          |       |        |                          |           | Sanniter also observation at              | 5                                                                                                                 |    |   |            |       |        |                          |           | and ships Duties stand at to              |
| 6                                                                                                                 |    |   |          |       |        |                          |           | at 12 am Observation stand at             | 6                                                                                                                 |    |   |            |       |        |                          |           | from noon till noon                       |
| 7                                                                                                                 |    |   |          |       |        |                          |           |                                           | 7                                                                                                                 |    |   |            |       |        |                          |           | 4 Days out                                |
| 8                                                                                                                 | 26 |   | SW 1/2 S | NW    | 1/2    |                          |           |                                           | 8                                                                                                                 |    |   |            |       |        |                          |           |                                           |
| 9                                                                                                                 |    |   |          |       |        |                          |           |                                           | 9                                                                                                                 |    |   |            |       |        |                          |           |                                           |
| 10                                                                                                                |    |   |          |       |        |                          |           |                                           | 10                                                                                                                |    |   |            |       |        |                          |           |                                           |
| 11                                                                                                                |    |   |          |       |        |                          |           |                                           | 11                                                                                                                |    |   |            |       |        |                          |           |                                           |
| 12                                                                                                                | 20 |   | SW       | NW    | 1/2    |                          |           |                                           | 12                                                                                                                | 10 |   | North West | 1/2   |        |                          |           |                                           |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |   |          |       |        |                          |           |                                           | Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |   |            |       |        |                          |           |                                           |
| S 73° W 15.6 46'S 149° 5' 38° 39' 35° 44' 18° E 3° 05' 129° 53' 130° 24' W                                        |    |   |          |       |        |                          |           |                                           | N 37° W Dis 41 miles 32° N 24' 5" 35° 51' 35° 44' 18° E 30' W 133° 46' 133° 56' W                                 |    |   |            |       |        |                          |           |                                           |

P. Ob. on track sick April 16 inflammation of the  
 Bowels Received medical treatment

| H                                                                                                                 | K  | F | COURSES  | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                     | H                                                                                                                 | K  | F | COURSES  | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                   |
|-------------------------------------------------------------------------------------------------------------------|----|---|----------|-------|--------|--------------------------|-----------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----|---|----------|-------|--------|--------------------------|-----------|-------------------------------------------|
|                                                                                                                   |    |   |          |       |        |                          |           | Saturday 15 <sup>th</sup> day of April 1911 |                                                                                                                   |    |   |          |       |        |                          |           | Sunday 17 <sup>th</sup> day of April 1911 |
| 1                                                                                                                 |    |   |          |       |        |                          |           | at 4 Pm. Light Wind                         | 1                                                                                                                 |    |   |          |       |        |                          |           | at 4 Pm Light Wind from                   |
| 2                                                                                                                 |    |   |          |       |        |                          |           | from NW and Chase ships                     | 2                                                                                                                 |    |   |          |       |        |                          |           | NW and Cloud at Entrance                  |
| 3                                                                                                                 |    |   |          |       |        |                          |           | Duties stand at to                          | 3                                                                                                                 |    |   |          |       |        |                          |           | With Light Rain ships Duties              |
| 4                                                                                                                 | 25 |   | SW 1/2 S | WNW   | 1/2    |                          |           | at 6 Pm Lights Pumps and                    | 4                                                                                                                 | 20 |   | NW 1/2 W | WNW   | 1/2    |                          |           | stand at to                               |
| 5                                                                                                                 |    |   |          |       |        |                          |           | Lookout stand at to                         | 5                                                                                                                 |    |   |          |       |        |                          |           | at 6 Pm Lights Pumps and                  |
| 6                                                                                                                 |    |   |          |       |        |                          |           | at 8 Pm Light Briase from NW                | 6                                                                                                                 |    |   |          |       |        |                          |           | Lookout stand at Belgis                   |
| 7                                                                                                                 |    |   |          |       |        |                          |           | and Chase                                   | 7                                                                                                                 | 24 |   | North    | WSW   | 1/2    |                          |           | 5 miles and 1/2                           |
| 8                                                                                                                 | 27 |   | SW 1/2 S | WNW   | 1/2    |                          |           | at 12 Pm Wind Boffling from                 | 8                                                                                                                 | 4  |   | W x S    |       | 1/2    |                          |           | at 8 30 Pm still all Light                |
| 9                                                                                                                 |    |   |          |       |        |                          |           | NW to NNW Cloud                             | 9                                                                                                                 |    |   |          |       |        |                          |           | sails and tackt ship                      |
| 10                                                                                                                |    |   |          |       |        |                          |           | at 4 am Wind Boffling from                  | 10                                                                                                                |    |   |          |       |        |                          |           | Wind Frisking from NW                     |
| 11                                                                                                                |    |   |          |       |        |                          |           | WNW toward NW Cloud                         | 11                                                                                                                |    |   |          |       |        |                          |           | at 10 30 Pm put all Light sails           |
| 12                                                                                                                | 25 |   | SW 1/2 S | WNW   | 1/2    |                          |           | at 8 am Cloud with Light Rain               | 12                                                                                                                | 40 |   | WSW      | NW    | 1/2    |                          |           | again Wind moderating                     |
| 1                                                                                                                 |    |   |          |       |        |                          |           | at Entrance ships Duties and                | 1                                                                                                                 |    |   |          |       |        |                          |           | ships had W.S.W. Chase                    |
| 2                                                                                                                 |    |   |          |       |        |                          |           | Observation stand at to                     | 2                                                                                                                 |    |   |          |       |        |                          |           | at 12 Pm a moderat Briase                 |
| 3                                                                                                                 |    |   |          |       |        |                          |           | at 12 am Overcast Cloud at                  | 3                                                                                                                 |    |   |          |       |        |                          |           | Light and Lookout stand at to             |
| 4                                                                                                                 | 29 |   | WSW      | WNW   | 1/2    |                          |           | Entrance observation stand at               | 4                                                                                                                 | 22 |   | W.S.W    | NW    | 1/2    |                          |           | at 4 am still a moderat                   |
| 5                                                                                                                 |    |   |          |       |        |                          |           | to also ships Duties                        | 5                                                                                                                 |    |   |          |       |        |                          |           | Wind from NW and Chase                    |
| 6                                                                                                                 |    |   |          |       |        |                          |           | 3 Days out                                  | 6                                                                                                                 |    |   |          |       |        |                          |           | at 8 am Obs stand at to also              |
| 7                                                                                                                 |    |   |          |       |        |                          |           |                                             | 7                                                                                                                 |    |   |          |       |        |                          |           | ships Duties                              |
| 8                                                                                                                 | 32 |   | W 1/2 N  | NW    | 1/2    |                          |           |                                             | 8                                                                                                                 | 24 |   | W x N    | North | 1/2    |                          |           | at 12 am Observation stand at to          |
| 9                                                                                                                 |    |   |          |       |        |                          |           |                                             | 9                                                                                                                 |    |   |          |       |        |                          |           | also ships Duties 5 Days out              |
| 10                                                                                                                |    |   |          |       |        |                          |           |                                             | 10                                                                                                                |    |   |          |       |        |                          |           |                                           |
| 11                                                                                                                |    |   |          |       |        |                          |           |                                             | 11                                                                                                                |    |   |          |       |        |                          |           |                                           |
| 12                                                                                                                | 27 |   | W x N    | North | 1/2    |                          |           |                                             | 12                                                                                                                | 24 |   | W 1/2 N  | N x E | 1/2    |                          |           |                                           |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |   |          |       |        |                          |           |                                             | Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |   |          |       |        |                          |           |                                           |
| S 83° W 14.5 miles 78'S 143.6 36° 38' 35° 17' W 18° E 2° 55' W 132° 09' 133° 16'                                  |    |   |          |       |        |                          |           |                                             | N 56° W 14.3 miles 8° 07' 102° W 36° 32' 36° 44' 18° E 2° 07' 136° 03' 136° 15'                                   |    |   |          |       |        |                          |           |                                           |

Calm not improving

Journal from *San Francisco* towards *Bristol Bay Alaska*

| H K F                                                                                                             |    |  | COURSES    | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                             | H K F                                                                                                             |    |  | COURSES    | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                             |
|-------------------------------------------------------------------------------------------------------------------|----|--|------------|-------|--------|-------------|-------|-----------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------|----|--|------------|-------|--------|-------------|-------|-----------|-------------------------------------|
|                                                                                                                   |    |  |            |       |        | Air         | Water |           |                                     |                                                                                                                   |    |  |            |       |        | Air         | Water |           |                                     |
| Tuesday 18 day of April 1911                                                                                      |    |  |            |       |        |             |       |           |                                     | Thursday 20 day of April 1911                                                                                     |    |  |            |       |        |             |       |           |                                     |
| 1                                                                                                                 |    |  |            |       |        |             |       |           | at 4 Pm a light wind from           | 1                                                                                                                 |    |  |            |       |        |             |       |           | at 2 <sup>30</sup> Pm Tackit ship   |
| 2                                                                                                                 |    |  |            |       |        |             |       |           | Nx E and Chase and how              | 2                                                                                                                 | 14 |  | NWxN       | NNE   | 1/2    |             |       |           | Visual Baffling around Ta           |
| 3                                                                                                                 |    |  |            |       |        |             |       |           | small from the Wester               | 3                                                                                                                 |    |  |            |       |        |             |       |           | Nx E                                |
| 4                                                                                                                 | 24 |  | NWxW 3/4 W | Nx E  | 1/2    |             |       | hayer     | ships Duties at stand at tu         | 4                                                                                                                 | 44 |  | WxS 1/2 S  | NNW   | 1/2    |             |       |           | at 4 Pm amadrat Briar               |
| 5                                                                                                                 |    |  |            |       |        |             |       |           |                                     | 5                                                                                                                 |    |  |            |       |        |             |       |           | from NWxW - ship at                 |
| 6                                                                                                                 |    |  |            |       |        |             |       |           |                                     | 6                                                                                                                 |    |  |            |       |        |             |       |           | Entire Light Raym                   |
| 7                                                                                                                 |    |  |            |       |        |             |       |           |                                     | 7                                                                                                                 |    |  |            |       |        |             |       |           | ships Duties at stand at tu         |
| 8                                                                                                                 | 17 |  | NWxW 3/4 W | East  | —      |             |       |           | at 6 Pm Light pumps 5 1/2           | 8                                                                                                                 | 29 |  | WxS        | NWxW  | 1/2    |             |       |           | at 6 Pm Light pumps 5 1/2 and       |
| 9                                                                                                                 |    |  |            |       |        |             |       |           | and Lookaut at stand at tu          | 9                                                                                                                 |    |  |            |       |        |             |       |           | Lookaut at stand at tu also         |
| 10                                                                                                                |    |  |            |       |        |             |       |           | also ships Duties                   | 10                                                                                                                |    |  |            |       |        |             |       |           | ships Duties                        |
| 11                                                                                                                |    |  |            |       |        |             |       |           | at 8 Pm Light Breeze from           | 11                                                                                                                |    |  |            |       |        |             |       |           | stand Light sails - squally         |
| 12                                                                                                                | 12 |  | NWxW 3/4 W | East  | —      |             |       |           | East with a havy Westerly           | 12                                                                                                                | 25 |  | WxS        | NWxW  | 1/2    |             |       |           | at 7 Pm ratt the Light sails        |
| 1                                                                                                                 |    |  |            |       |        |             |       |           | swall                               | 1                                                                                                                 |    |  |            |       |        |             |       |           | still squally both mackraty         |
| 2                                                                                                                 |    |  |            |       |        |             |       |           |                                     | 2                                                                                                                 |    |  |            |       |        |             |       |           | at 12 Pm Light Wind from NWxW       |
| 3                                                                                                                 |    |  |            |       |        |             |       |           | at 12 Pm still Light Wind from      | 3                                                                                                                 |    |  |            |       |        |             |       |           | with Light Raym at Entire           |
| 4                                                                                                                 | 5  |  | NWxW 3/4 W | NE    | —      |             |       |           | ENE havy Westerly sea Runy          | 4                                                                                                                 | 18 |  | WxS        | NNE   | 1/2    |             |       |           | at 4 am Light Breeze from           |
| 5                                                                                                                 |    |  |            |       |        |             |       |           | ships head NWxW 3/4 W               | 5                                                                                                                 |    |  |            |       |        |             |       |           | North Char                          |
| 6                                                                                                                 |    |  |            |       |        |             |       |           | at 4 am Wavy Light Wind from        | 6                                                                                                                 |    |  |            |       |        |             |       |           | at 8 am still a light Wind from     |
| 7                                                                                                                 |    |  |            |       |        |             |       |           | NE and Chase Westerly sea           | 7                                                                                                                 |    |  |            |       |        |             |       |           | North ships Duties at stand at tu   |
| 8                                                                                                                 | 7  |  | NWxW 3/4 W | NE    | —      |             |       |           | at 8 am still a light Wind          | 8                                                                                                                 | 13 |  | WxN 1/2 N  | North | 1/2    |             |       |           | at 12 am Observation at stand at tu |
| 9                                                                                                                 |    |  |            |       |        |             |       |           | from NE sea mackraty                | 9                                                                                                                 |    |  |            |       |        |             |       |           | also ships Duties 6 Days out        |
| 10                                                                                                                |    |  |            |       |        |             |       |           | ships Duties at stand at tu         | 10                                                                                                                |    |  |            |       |        |             |       |           |                                     |
| 11                                                                                                                |    |  |            |       |        |             |       |           | at 12 am Observation at stand at tu | 11                                                                                                                |    |  |            |       |        |             |       |           |                                     |
| 12                                                                                                                | 13 |  | NWxW 3/4 W | NE    | —      |             |       |           | also ships Duties 6 Days out        | 12                                                                                                                | 2  |  | NWxW 1/2 W | North | 1/2    |             |       |           |                                     |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |  |            |       |        |             |       |           |                                     | Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |  |            |       |        |             |       |           |                                     |
| N 49° W 70 miles 45' N 52' 8" 37° 28' 41" 37° 37' 18° E 1° 06' W 137° 11' 137° 28'                                |    |  |            |       |        |             |       |           |                                     | N 69° W 112 miles 39' N 101' W 39° 25' 18" 39° 20' 18° E 2° 10' W 140° 55' 140° 59' 15"                           |    |  |            |       |        |             |       |           |                                     |
| H K F                                                                                                             |    |  | COURSES    | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                             | H K F                                                                                                             |    |  | COURSES    | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                             |
|                                                                                                                   |    |  |            |       |        | Air         | Water |           |                                     |                                                                                                                   |    |  |            |       |        | Air         | Water |           |                                     |
| Wednesday 19 day of April 1911                                                                                    |    |  |            |       |        |             |       |           |                                     | Friday 21 day of April 1911                                                                                       |    |  |            |       |        |             |       |           |                                     |
| 1                                                                                                                 |    |  |            |       |        |             |       |           | at 4 Pm Light Wind from             | 1                                                                                                                 |    |  |            |       |        |             |       |           | at 4 Pm Light Wind from             |
| 2                                                                                                                 |    |  |            |       |        |             |       |           | the Easter and Claude sea           | 2                                                                                                                 |    |  |            |       |        |             |       |           | North and Chase ships Duties        |
| 3                                                                                                                 |    |  |            |       |        |             |       |           | moderat                             | 3                                                                                                                 |    |  |            |       |        |             |       |           | at stand at tu marking dead         |
| 4                                                                                                                 | 10 |  | NWxW 1/2 W | E NE  | —      |             |       |           | at 8 Pm still a light Wind          | 4                                                                                                                 | 7  |  | WNW        | North | 1/2    |             |       |           | Line Drive sea Lead Line            |
| 5                                                                                                                 |    |  |            |       |        |             |       |           | from East Pumps Lights              | 5                                                                                                                 |    |  |            |       |        |             |       |           |                                     |
| 6                                                                                                                 |    |  |            |       |        |             |       |           | and Lookaut at stand at tu          | 6                                                                                                                 |    |  |            |       |        |             |       |           | at 6 Pm Lights Pumps 5 1/2          |
| 7                                                                                                                 |    |  |            |       |        |             |       |           | Pumps 5 1/2 inches and is           | 7                                                                                                                 |    |  |            |       |        |             |       |           | and Lookaut at stand at tu          |
| 8                                                                                                                 | 9  |  | NWxW 1/2 W | East  | —      |             |       |           | Wall and ships Duties at stand      | 8                                                                                                                 | 8  |  | WNW        | East  | —      |             |       |           | at 8 Pm Light Wind from             |
| 9                                                                                                                 |    |  |            |       |        |             |       |           | tu                                  | 9                                                                                                                 |    |  |            |       |        |             |       |           | East Claude                         |
| 10                                                                                                                |    |  |            |       |        |             |       |           |                                     | 10                                                                                                                |    |  |            |       |        |             |       |           |                                     |
| 11                                                                                                                |    |  |            |       |        |             |       |           | at 12 Pm Light Wind                 | 11                                                                                                                |    |  |            |       |        |             |       |           | at 12 Pm still a light Breeze       |
| 12                                                                                                                | 9  |  | NWxW 1/2 W | E S E | —      |             |       |           | Baffling from E toward S E          | 12                                                                                                                | 11 |  | NWxW 3/4 W | East  | —      |             |       |           | from the East Lead Down             |
| 1                                                                                                                 |    |  |            |       |        |             |       |           | Claude                              | 1                                                                                                                 |    |  |            |       |        |             |       |           | the spanker Wind aft                |
| 2                                                                                                                 |    |  |            |       |        |             |       |           |                                     | 2                                                                                                                 |    |  |            |       |        |             |       |           |                                     |
| 3                                                                                                                 |    |  |            |       |        |             |       |           | at 4 am still a Light Wind          | 3                                                                                                                 |    |  |            |       |        |             |       |           | at 4 am Light Wind from E S E       |
| 4                                                                                                                 | 6  |  | NWxW 1/2 W | E S E | —      |             |       |           | from S E Claude ships Duties        | 4                                                                                                                 | 10 |  | NWxW 3/4 W | E S E | —      |             |       |           | Chase                               |
| 5                                                                                                                 |    |  |            |       |        |             |       |           | at stand at tu                      | 5                                                                                                                 |    |  |            |       |        |             |       |           | at 8 am still a light Breeze from   |
| 6                                                                                                                 |    |  |            |       |        |             |       |           |                                     | 6                                                                                                                 |    |  |            |       |        |             |       |           | E S E ships Duties at stand at tu   |
| 7                                                                                                                 |    |  |            |       |        |             |       |           | at 8 am still a light Wind          | 7                                                                                                                 |    |  |            |       |        |             |       |           | sitting off main topmast Back       |
| 8                                                                                                                 | 15 |  | NWxW 1/2 W | E S E | —      |             |       |           | from S E Claude ships Duties        | 8                                                                                                                 | 7  |  | NWxW 3/4 W | E S E | —      |             |       |           | stays being all slack               |
| 9                                                                                                                 |    |  |            |       |        |             |       |           | at stand at tu                      | 9                                                                                                                 |    |  |            |       |        |             |       |           |                                     |
| 10                                                                                                                |    |  |            |       |        |             |       |           |                                     | 10                                                                                                                |    |  |            |       |        |             |       |           |                                     |
| 11                                                                                                                |    |  |            |       |        |             |       |           | at 12 Observation at stand at tu    | 11                                                                                                                |    |  |            |       |        |             |       |           | at 12 am Observation at stand at tu |
| 12                                                                                                                | 23 |  | NWxW 1/2 W | S S E | —      |             |       |           | also ships Duties from noon         | 12                                                                                                                | 11 |  | NWxW 3/4 W | E S E | —      |             |       |           | also ships Duties from noon         |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |  |            |       |        |             |       |           |                                     | Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |  |            |       |        |             |       |           |                                     |
| N 46° W 72 miles 50' N 54' 8" 38° 26' 38° 44' 18° E 1° 05' W 138° 33'                                             |    |  |            |       |        |             |       |           |                                     | N 49° W 50 miles 52' N 37' 7" 39° 52' 37° 57' 18° E 48' W 141° 59' 142° 08'                                       |    |  |            |       |        |             |       |           |                                     |

Journal from San Francisco towards Bristol Bay Alaska

| H K F                                                                                                                                                               |    |              |       |        |             |       |           |                                                                                  |         | H K F                                                                                                             |              |       |        |             |       |           |                                                                                                |                                                                       |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------|-------|--------|-------------|-------|-----------|----------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------|--------------|-------|--------|-------------|-------|-----------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--|
| COURSES                                                                                                                                                             |    |              | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                          | COURSES |                                                                                                                   |              | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                                        |                                                                       |  |
|                                                                                                                                                                     |    |              |       |        | Air         | Water |           |                                                                                  |         |                                                                                                                   |              |       |        | Air         | Water |           |                                                                                                |                                                                       |  |
| Saturday 22 April 1911                                                                                                                                              |    |              |       |        |             |       |           |                                                                                  |         | Monday 24 April 1911                                                                                              |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 1                                                                                                                                                                   |    |              |       |        |             |       |           | at 4 P.m. Light Wind from East S.E. with West sea Running ships Duties at anchor | 1       |                                                                                                                   |              |       |        |             |       |           | at 4 P.m. Light Wind and Chase Ships Duties at anchor in Wharf by small overcast Rain at times |                                                                       |  |
| 2                                                                                                                                                                   |    |              |       |        |             |       |           |                                                                                  | 2       |                                                                                                                   |              |       |        |             |       |           |                                                                                                | at 6 P.m. Lights Pumpers 5/2 and Lookouts at anchor                   |  |
| 3                                                                                                                                                                   |    |              |       |        |             |       |           |                                                                                  | 3       |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 4                                                                                                                                                                   | 13 | NW x W 3/4 W | East  | —      |             |       |           |                                                                                  | 4       | 18                                                                                                                | W.S.W        | NW    | 1/2    |             |       |           |                                                                                                |                                                                       |  |
| 5                                                                                                                                                                   |    |              |       |        |             |       |           |                                                                                  | 5       |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 6                                                                                                                                                                   |    |              |       |        |             |       |           |                                                                                  | 6       |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 7                                                                                                                                                                   |    |              |       |        |             |       |           |                                                                                  | 7       |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 8                                                                                                                                                                   | 16 | NW x W 3/4 W | ESE   | —      |             |       |           |                                                                                  | 8       | 12                                                                                                                | S.W x W      | NW    | 1/2    |             |       |           |                                                                                                |                                                                       |  |
| 9                                                                                                                                                                   |    |              |       |        |             |       |           |                                                                                  | 9       |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 10                                                                                                                                                                  |    |              |       |        |             |       |           |                                                                                  | 10      |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 11                                                                                                                                                                  |    |              |       |        |             |       |           |                                                                                  | 11      |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 12                                                                                                                                                                  | 15 | WNW          | NE    | —      |             |       |           |                                                                                  | 12      | 7                                                                                                                 | S.W          | NW    | 1/2    |             |       |           |                                                                                                |                                                                       |  |
| 1                                                                                                                                                                   |    |              |       |        |             |       |           |                                                                                  | 1       |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 2                                                                                                                                                                   |    |              |       |        |             |       |           | 2                                                                                |         |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 3                                                                                                                                                                   |    |              |       |        |             |       |           | 3                                                                                |         |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 4                                                                                                                                                                   | 20 | WNW          | NNE   | —      |             |       |           | 4                                                                                | 14      | S.W 1/2 S                                                                                                         | WNW          | 1/2   |        |             |       |           |                                                                                                |                                                                       |  |
| 5                                                                                                                                                                   |    |              |       |        |             |       |           | 5                                                                                |         |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 6                                                                                                                                                                   |    |              |       |        |             |       |           | 6                                                                                |         |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 7                                                                                                                                                                   |    |              |       |        |             |       |           | 7                                                                                |         |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 8                                                                                                                                                                   | 21 | NW x W 1/2 W | North | 1/2    |             |       |           | 8                                                                                | 14      | N x E                                                                                                             | WNW          | 1/2   |        |             |       |           |                                                                                                |                                                                       |  |
| 9                                                                                                                                                                   |    |              |       |        |             |       |           | 9                                                                                |         |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 10                                                                                                                                                                  |    |              |       |        |             |       |           | 10                                                                               |         |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 11                                                                                                                                                                  |    |              |       |        |             |       |           | 11                                                                               |         |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 12                                                                                                                                                                  | 19 | WNW          | North | 1/2    |             |       |           | 12                                                                               | 30      | N x W                                                                                                             | West         | 1/2   |        |             |       |           |                                                                                                |                                                                       |  |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob.                                                   |    |              |       |        |             |       |           |                                                                                  |         | Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| N 51° W 104 miles 1° 05' 80' 5" 41° 02' 38" 41° 12' 18° E 1° 45' W 145° 53' 143° 54' 4" N 50° W 95 miles 33' N 40' W 42° 11' 42° 5' 18° E 54' W 147° 35' 147° 30' W |    |              |       |        |             |       |           |                                                                                  |         | N 50° W 95 miles 33' N 40' W 42° 11' 42° 5' 18° E 54' W 147° 35' 147° 30' W                                       |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| H K F                                                                                                                                                               |    |              |       |        |             |       |           |                                                                                  |         | H K F                                                                                                             |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| COURSES                                                                                                                                                             |    |              | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                          | COURSES |                                                                                                                   |              | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS                                                                                        |                                                                       |  |
|                                                                                                                                                                     |    |              |       |        | Air         | Water |           |                                                                                  |         |                                                                                                                   |              |       |        | Air         | Water |           |                                                                                                |                                                                       |  |
| Sunday 23 April 1911                                                                                                                                                |    |              |       |        |             |       |           |                                                                                  |         | Tuesday 25 April 1911                                                                                             |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 1                                                                                                                                                                   |    |              |       |        |             |       |           | at 4 P.m. Light Wind from NW and Chase Ships Duties at anchor                    | 1       |                                                                                                                   |              |       |        |             |       |           | at 4 P.m. a moderate Breeze from W.S.W with Light Rain at intervals ships Duties stand by      |                                                                       |  |
| 2                                                                                                                                                                   |    |              |       |        |             |       |           |                                                                                  | 2       |                                                                                                                   |              |       |        |             |       |           |                                                                                                | at 6 P.m. Lights Pumpers 5/2 and Lookouts at anchor also ships Duties |  |
| 3                                                                                                                                                                   |    |              |       |        |             |       |           |                                                                                  | 3       |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 4                                                                                                                                                                   | 14 | West         | WNW   | 1/2    |             |       |           |                                                                                  | 4       | 30                                                                                                                | NW x W 1/2 W | WSW   | 1/2    |             |       |           |                                                                                                |                                                                       |  |
| 5                                                                                                                                                                   |    |              |       |        |             |       |           |                                                                                  | 5       |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 6                                                                                                                                                                   |    |              |       |        |             |       |           |                                                                                  | 6       |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 7                                                                                                                                                                   |    |              |       |        |             |       |           |                                                                                  | 7       |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 8                                                                                                                                                                   | 16 | W x S        | WNW   | 1/2    |             |       |           |                                                                                  | 8       | 29                                                                                                                | N NW         | WSW   | 1/2    |             |       |           |                                                                                                |                                                                       |  |
| 9                                                                                                                                                                   |    |              |       |        |             |       |           |                                                                                  | 9       |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 10                                                                                                                                                                  |    |              |       |        |             |       |           |                                                                                  | 10      |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 11                                                                                                                                                                  |    |              |       |        |             |       |           |                                                                                  | 11      |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 12                                                                                                                                                                  | 23 | W x S        | NW    | 1/2    |             |       |           |                                                                                  | 12      | 34                                                                                                                | NNW          | WSW   | 1/2    |             |       |           |                                                                                                |                                                                       |  |
| 1                                                                                                                                                                   |    |              |       |        |             |       |           |                                                                                  | 1       |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 2                                                                                                                                                                   |    |              |       |        |             |       |           | 2                                                                                |         |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 3                                                                                                                                                                   |    |              |       |        |             |       |           | 3                                                                                |         |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 4                                                                                                                                                                   | 28 | W x S        | NW    | 1/2    |             |       |           | 4                                                                                | 27      | NNW                                                                                                               | WSW          | 1/2   |        |             |       |           |                                                                                                |                                                                       |  |
| 5                                                                                                                                                                   |    |              |       |        |             |       |           | 5                                                                                |         |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 6                                                                                                                                                                   |    |              |       |        |             |       |           | 6                                                                                |         |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 7                                                                                                                                                                   |    |              |       |        |             |       |           | 7                                                                                |         |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 8                                                                                                                                                                   | 18 | W x S        | NW    | 1/2    |             |       |           | 8                                                                                | 21      | NW x N                                                                                                            | WSW          | 1/2   |        |             |       |           |                                                                                                |                                                                       |  |
| 9                                                                                                                                                                   |    |              |       |        |             |       |           | 9                                                                                |         |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 10                                                                                                                                                                  |    |              |       |        |             |       |           | 10                                                                               |         |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 11                                                                                                                                                                  |    |              |       |        |             |       |           | 11                                                                               |         |                                                                                                                   |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| 12                                                                                                                                                                  | 19 | West         | NW    | 1/2    |             |       |           | 12                                                                               | 25      | NW x N                                                                                                            | WSW          | 1/2   |        |             |       |           |                                                                                                |                                                                       |  |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob.                                                   |    |              |       |        |             |       |           |                                                                                  |         | Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |              |       |        |             |       |           |                                                                                                |                                                                       |  |
| N 79° W 128 miles 34° N 67° 05' 41° 58' 18° E 2° 02' 146° 41'                                                                                                       |    |              |       |        |             |       |           |                                                                                  |         | N 23° W 164 miles 2° 31' N 63° 7' 44° 34' 44° 47' 18° E 1° 27' W 148° 41' 148° 15'                                |              |       |        |             |       |           |                                                                                                |                                                                       |  |

Journal from San Francisco towards Bristol Bay Alaska

Journal from San Francisco towards Bristol Bay Alaska

| H K F                                                                                                             |           |          | COURSES  | WINDS     | LEEWAY    | Thermometer |          | Barometer  | REMARKS                                                                                      | H K F                                                                                                             |           |           | COURSES  | WINDS     | LEEWAY    | Thermometer |          | Barometer  | REMARKS                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------|-----------|----------|----------|-----------|-----------|-------------|----------|------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------|-----------|----------|-----------|-----------|-------------|----------|------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                   |           |          |          |           |           | Air         | Water    |            |                                                                                              |                                                                                                                   |           |           |          |           |           | Air         | Water    |            |                                                                                                                                         |
| Wednesday 26 day of April 1911                                                                                    |           |          |          |           |           |             |          |            |                                                                                              | Thursday 27 day of April 1911                                                                                     |           |           |          |           |           |             |          |            |                                                                                                                                         |
| 1                                                                                                                 |           |          |          |           |           |             |          |            | at 4 Pm amoderat Breeze from S.W. Cloud with Light Drizzling overcast ships Duties at anchor | 1                                                                                                                 |           |           |          |           |           |             |          |            | at 4 Pm Light Breeze from S.W. Cloud with squally and heavy sea from W.S.W. ships Duties at anchor                                      |
| 2                                                                                                                 |           |          |          |           |           |             |          |            | at 6 Pm Lights Pump 5/2 and Lookout at anchor                                                | 2                                                                                                                 |           |           |          |           |           |             |          |            | at 6 Pm Lights Pump 5/2 and Lookout at anchor                                                                                           |
| 3                                                                                                                 |           |          |          |           |           |             |          |            | at 8 Pm took in gaff topsail and gallant stay sail Wind freshening from S.W.                 | 3                                                                                                                 |           |           |          |           |           |             |          |            | at 8 Pm still moderat Breeze from S.W. squally                                                                                          |
| 4                                                                                                                 | 32        |          | W.N.W.   | S.W.      | 1/2       |             |          | 30.10      | at 9 Pm took in fore and main. Rays and fore du gallant sail                                 | 4                                                                                                                 | 20        |           | N.W.N    | S.W.      | 1/2       |             |          |            | at 9 Pm still moderat Breeze from S.W. squally                                                                                          |
| 5                                                                                                                 |           |          |          |           |           |             |          |            | at 2 am F sat allight sail moderating from S.W.                                              | 5                                                                                                                 |           |           |          |           |           |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 6                                                                                                                 |           |          |          |           |           |             |          |            | at 4 am moderat Breeze from S.W. Cloud                                                       | 6                                                                                                                 |           |           |          |           |           |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 7                                                                                                                 |           |          |          |           |           |             |          |            | at 8 am moderat Breeze from S.W. observation at anchor also ships Duties                     | 7                                                                                                                 |           |           |          |           |           |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 8                                                                                                                 | 40        |          | W.N.W    | S.W.      | 1/2       |             |          |            | at 12 am amoderat Breeze with overcast observation and ships Duties at anchor                | 8                                                                                                                 | 14        |           | N.W.N    | S.W.      | 1/2       |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 9                                                                                                                 |           |          |          |           |           |             |          |            | at 2 am F sat allight sail moderating from S.W.                                              | 9                                                                                                                 |           |           |          |           |           |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 10                                                                                                                |           |          |          |           |           |             |          |            | at 4 am moderat Breeze from S.W. Cloud                                                       | 10                                                                                                                |           |           |          |           |           |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 11                                                                                                                |           |          |          |           |           |             |          |            | at 8 am moderat Breeze from S.W. observation at anchor also ships Duties                     | 11                                                                                                                |           |           |          |           |           |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 12                                                                                                                | 36        |          | W.N.W    | S.W.      | 1/2       |             |          |            | at 12 am amoderat Breeze with overcast observation and ships Duties at anchor                | 12                                                                                                                | 10        |           | N.N.W    | S.W.      | 1/2       |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 1                                                                                                                 |           |          |          |           |           |             |          |            | at 2 am F sat allight sail moderating from S.W.                                              | 1                                                                                                                 |           |           |          |           |           |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 2                                                                                                                 |           |          |          |           |           |             |          |            | at 4 am moderat Breeze from S.W. Cloud                                                       | 2                                                                                                                 |           |           |          |           |           |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 3                                                                                                                 |           |          |          |           |           |             |          |            | at 8 am moderat Breeze from S.W. observation at anchor also ships Duties                     | 3                                                                                                                 |           |           |          |           |           |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 4                                                                                                                 | 31        |          | W.N.W    | S.W.      | 1/2       |             |          |            | at 12 am amoderat Breeze with overcast observation and ships Duties at anchor                | 4                                                                                                                 |           |           |          |           |           |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 5                                                                                                                 |           |          |          |           |           |             |          |            | at 2 am F sat allight sail moderating from S.W.                                              | 5                                                                                                                 |           |           |          |           |           |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 6                                                                                                                 |           |          |          |           |           |             |          |            | at 4 am moderat Breeze from S.W. Cloud                                                       | 6                                                                                                                 |           |           |          |           |           |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 7                                                                                                                 |           |          |          |           |           |             |          |            | at 8 am moderat Breeze from S.W. observation at anchor also ships Duties                     | 7                                                                                                                 |           |           |          |           |           |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 8                                                                                                                 | 31        |          | N.W.N    | S.W.      | 1/2       |             |          |            | at 12 am amoderat Breeze with overcast observation and ships Duties at anchor                | 8                                                                                                                 | 6         |           | N.W      | S.W.      | 1/2       |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 9                                                                                                                 |           |          |          |           |           |             |          |            | at 2 am F sat allight sail moderating from S.W.                                              | 9                                                                                                                 |           |           |          |           |           |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 10                                                                                                                |           |          |          |           |           |             |          |            | at 4 am moderat Breeze from S.W. Cloud                                                       | 10                                                                                                                |           |           |          |           |           |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 11                                                                                                                |           |          |          |           |           |             |          |            | at 8 am moderat Breeze from S.W. observation at anchor also ships Duties                     | 11                                                                                                                |           |           |          |           |           |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 12                                                                                                                | 25        |          | N.W.     | S.W.      | 1/2       |             |          |            | at 12 am amoderat Breeze with overcast observation and ships Duties at anchor                | 12                                                                                                                | 10        |           | W 3/4 N  | S.W.      | 1/2       |             |          |            | at 12 Pm Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |           |          |          |           |           |             |          |            |                                                                                              | Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |           |           |          |           |           |             |          |            |                                                                                                                                         |
| N 55° W                                                                                                           | 193       | 1° 55' N | 153.4'   | 47° 21' N | 47° 31' N | 18° E       | 2° 34' W | 150° 50' W | 150° 56' W                                                                                   | N 20° W                                                                                                           | 56 miles  | 52° 29' N | 19° 9' N | 50° 33' N | 50° 46' N | 20° E       | 26' W    | 152° 08' W | 151° 56' W                                                                                                                              |
| H K F                                                                                                             |           |          | COURSES  | WINDS     | LEEWAY    | Thermometer |          | Barometer  | REMARKS                                                                                      | H K F                                                                                                             |           |           | COURSES  | WINDS     | LEEWAY    | Thermometer |          | Barometer  | REMARKS                                                                                                                                 |
|                                                                                                                   |           |          |          |           |           | Air         | Water    |            |                                                                                              |                                                                                                                   |           |           |          |           |           | Air         | Water    |            |                                                                                                                                         |
| Thursday 27 day of April 1911                                                                                     |           |          |          |           |           |             |          |            |                                                                                              | Friday 28 day of April 1911                                                                                       |           |           |          |           |           |             |          |            |                                                                                                                                         |
| 1                                                                                                                 |           |          |          |           |           |             |          |            | at 4 Pm amoderat Breeze from S.W. with overcast squally at anchor ships Duties               | 1                                                                                                                 |           |           |          |           |           |             |          |            | at 4 Pm Light Breeze from S.W. with Western squalls and heavy sea from W.S.W. ships Duties at anchor                                    |
| 2                                                                                                                 |           |          |          |           |           |             |          |            | at 6 Pm Lights Pump 5/2 and Lookout at anchor                                                | 2                                                                                                                 |           |           |          |           |           |             |          |            | at 6 Pm Lights Pump 5/2 and Lookout at anchor                                                                                           |
| 3                                                                                                                 |           |          |          |           |           |             |          |            | at 8 Pm still moderat Breeze from S.W. squally                                               | 3                                                                                                                 |           |           |          |           |           |             |          |            | at 8 Pm still squally sea W.S.W. Cabin at anchor                                                                                        |
| 4                                                                                                                 | 30        |          | N.W.N    | S.W.      | 1/2       |             |          | 29.90      | at 9 Pm storm of gaff topsail and gallant stay sail squally strong from S.W.                 | 4                                                                                                                 | 20        |           | N.W.N    | S.W.      | 1/2       |             |          |            | at 12 Pm Wavy Light Breeze from S.W. Part of time calm heavy W.S.W. sea running                                                         |
| 5                                                                                                                 |           |          |          |           |           |             |          |            | at 12 Pm still squally with heavy W.S.W. sea running                                         | 5                                                                                                                 |           |           |          |           |           |             |          |            | at 2 Pm Wavy Light Breeze from S.W. Part of time calm heavy W.S.W. sea running                                                          |
| 6                                                                                                                 |           |          |          |           |           |             |          |            | at 4 am still squally with light rain snow Cloud overcast                                    | 6                                                                                                                 |           |           |          |           |           |             |          |            | at 4 Pm calm at anchor                                                                                                                  |
| 7                                                                                                                 | 25        |          | N.W.N    | S.W.      | 1/2       |             |          |            | at 8 am Observation at anchor to Cloud with overcast at times squally ships Duties at anchor | 7                                                                                                                 |           |           |          |           |           |             |          |            | at 8 am Wavy Light Breeze from S.W. moderating Part of time calm ships Duties at anchor                                                 |
| 8                                                                                                                 |           |          |          |           |           |             |          |            | at 12 am still allight wind and squally with light rain observation at anchor                | 8                                                                                                                 | 6         |           | N.W      | S.W.      | 1/2       |             |          |            | at 12 am Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 9                                                                                                                 |           |          |          |           |           |             |          |            | at 2 am still allight wind and squally with light rain observation at anchor                 | 9                                                                                                                 |           |           |          |           |           |             |          |            | at 12 am Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 10                                                                                                                |           |          |          |           |           |             |          |            | at 4 am still allight wind and squally with light rain observation at anchor                 | 10                                                                                                                |           |           |          |           |           |             |          |            | at 12 am Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 11                                                                                                                |           |          |          |           |           |             |          |            | at 6 am still allight wind and squally with light rain observation at anchor                 | 11                                                                                                                |           |           |          |           |           |             |          |            | at 12 am Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 12                                                                                                                | 19        |          | N.W.N    | S.W.      | 1/2       |             |          |            | at 8 am Observation at anchor to Cloud with overcast at times squally ships Duties at anchor | 12                                                                                                                | 10        |           | W 3/4 N  | S.W.      | 1/2       |             |          |            | at 12 am Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 1                                                                                                                 |           |          |          |           |           |             |          |            | at 12 am still allight wind and squally with light rain observation at anchor                | 1                                                                                                                 |           |           |          |           |           |             |          |            | at 12 am Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 2                                                                                                                 |           |          |          |           |           |             |          |            | at 2 am still allight wind and squally with light rain observation at anchor                 | 2                                                                                                                 |           |           |          |           |           |             |          |            | at 12 am Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 3                                                                                                                 |           |          |          |           |           |             |          |            | at 4 am still allight wind and squally with light rain observation at anchor                 | 3                                                                                                                 |           |           |          |           |           |             |          |            | at 12 am Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 4                                                                                                                 | 23        |          | N.W.N    | S.W.      | 1/2       |             |          |            | at 6 am Observation at anchor to Cloud with overcast at times squally ships Duties at anchor | 4                                                                                                                 | 27        |           | W 1/4 S  | S.E.      | —         |             |          |            | at 12 am Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 5                                                                                                                 |           |          |          |           |           |             |          |            | at 8 am Observation at anchor to Cloud with overcast at times squally ships Duties at anchor | 5                                                                                                                 |           |           |          |           |           |             |          |            | at 12 am Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 6                                                                                                                 |           |          |          |           |           |             |          |            | at 10 am still allight wind and squally with light rain observation at anchor                | 6                                                                                                                 |           |           |          |           |           |             |          |            | at 12 am Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 7                                                                                                                 |           |          |          |           |           |             |          |            | at 12 am still allight wind and squally with light rain observation at anchor                | 7                                                                                                                 |           |           |          |           |           |             |          |            | at 12 am Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 8                                                                                                                 | 16        |          | N.W.N    | S.W.      | 1/2       |             |          |            | at 2 am still allight wind and squally with light rain observation at anchor                 | 8                                                                                                                 | 21        |           | W 1/4 S  | S.E.      | —         |             |          |            | at 12 am Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 9                                                                                                                 |           |          |          |           |           |             |          |            | at 4 am still allight wind and squally with light rain observation at anchor                 | 9                                                                                                                 |           |           |          |           |           |             |          |            | at 12 am Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 10                                                                                                                |           |          |          |           |           |             |          |            | at 6 am still allight wind and squally with light rain observation at anchor                 | 10                                                                                                                |           |           |          |           |           |             |          |            | at 12 am Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 11                                                                                                                |           |          |          |           |           |             |          |            | at 8 am still allight wind and squally with light rain observation at anchor                 | 11                                                                                                                |           |           |          |           |           |             |          |            | at 12 am Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| 12                                                                                                                |           |          |          |           |           |             |          |            | at 10 am still allight wind and squally with light rain observation at anchor                | 12                                                                                                                | 34        |           | N.W.N    | S.W.      | 1/2       |             |          |            | at 12 am Light Breeze from S.W. Baffling toward W.S.W. squally observation at anchor also ships Duties from noon till noon 16 Days Out. |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |           |          |          |           |           |             |          |            |                                                                                              | Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |           |           |          |           |           |             |          |            |                                                                                                                                         |
| N 21° W                                                                                                           | 134 miles | 2° 6' N  | 48° 8' N | 49° 56' N | 49° 42' N | 20° E       | 1° 13' W | 151° 37' W | 151° 43' W                                                                                   | N 59° W                                                                                                           | 135 miles | 1° 04' N  | 107° W   | 51° 50' N | 52° 04' N | 20° E       | 2° 51' W | 155° 03' W | 154° 55' 30' W                                                                                                                          |

## Journal from San Francisco towards Bristol Bay Alaska

## Journal from San Francisco towards Bristol Bay Alaska

| H  | K  | F | COURSES  | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS Sunday 30 day of April 1911 |
|----|----|---|----------|-------|--------|--------------------------|-----------|-------------------------------------|
| 1  |    |   |          |       |        |                          |           | at 4 Pm alight Brian from           |
| 2  |    |   |          |       |        |                          |           | WSW and Chase made at sea           |
| 3  |    |   |          |       |        |                          |           | ships Duties at anchor to           |
| 4  | 24 |   | NW 1/2 W | WSW   | 1/2    |                          |           | at 6 Pm Lights Pumps 5/8            |
| 5  |    |   |          |       |        |                          |           | and Lookout at anchor to            |
| 6  |    |   |          |       |        |                          |           | at 8 Pm Light Wind from             |
| 7  | 15 |   | NW 1/2 W | SW    | 1/2    | 29.60                    |           | S.W. Clouds                         |
| 8  |    |   |          |       |        |                          |           | at 12 Pm still alight Wind          |
| 9  |    |   |          |       |        |                          |           | from S.W. squally with Light        |
| 10 |    |   |          |       |        |                          |           | snow N.W. sea Ray sing              |
| 11 | 20 |   | NW 1/2 W | SW    | 1/2    |                          |           | at 4 Am Light Brian from            |
| 12 |    |   |          |       |        |                          |           | SW squally with snow and            |
| 1  | 16 |   | NW 1/2 W | SW    | 1/2    |                          |           | Rain N.W. sea                       |
| 2  |    |   |          |       |        |                          |           | at 8 Am still squally from          |
| 3  |    |   |          |       |        |                          |           | WSW with snow and overcast          |
| 4  |    |   |          |       |        |                          |           | ships Duties at anchor to           |
| 5  | 23 |   | NW 1/2 W | SW    | 1/2    |                          |           | at 12 Am Observation at anchor      |
| 6  |    |   |          |       |        |                          |           | Light Wind Overcast and snow        |
| 7  |    |   |          |       |        |                          |           | ships Duties at anchor to           |
| 8  | 24 |   | NW 1/2 W | SW    | 1/2    |                          |           | 18 Days out                         |

| Course  | Distance  | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|---------|-----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| N 38° W | 123 miles | 10° 36'       | 74' W     | 53° 41'      | 53° 52'     | 20° E     | 2° 41'        | 156° 36'     |             |

| H  | K  | F | COURSES  | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS Monday 1st day of May 1911 |
|----|----|---|----------|-------|--------|--------------------------|-----------|------------------------------------|
| 1  |    |   |          |       |        |                          |           | at 4 Pm Light Wind from            |
| 2  |    |   |          |       |        |                          |           | SW backing toward N.W. S.W.        |
| 3  |    |   |          |       |        |                          |           | Clouds                             |
| 4  | 20 |   | WNW      | SW    | 1/2    |                          |           | at 6 Pm Lights Pumps 5/8           |
| 5  |    |   |          |       |        |                          |           | and Lookout at anchor to           |
| 6  |    |   |          |       |        |                          |           | at 8 Pm Wary Light Wind            |
| 7  |    |   |          |       |        |                          |           | from S.W. part of time calm        |
| 8  | 11 |   | NW       | SW    | 1/2    |                          |           | Clouds Wistfully sea overcast      |
| 9  |    |   |          |       |        |                          |           | at 10 Pm tookt ships               |
| 10 |    |   |          |       |        |                          |           | at 12 Pm Calm at anchor            |
| 11 |    |   |          |       |        |                          |           | thin Watch Clouds                  |
| 12 |    |   |          |       |        |                          |           | at 4 Am Wary Light Brian           |
| 1  |    |   |          |       |        |                          |           | from N.W. Clouds have              |
| 2  | 3  |   | WSW      | NW    | 1/2    |                          |           | S.W. sea                           |
| 3  |    |   |          |       |        |                          |           | at 8 Am moderat Brian              |
| 4  |    |   |          |       |        |                          |           | from N.W. Clouds with              |
| 5  |    |   |          |       |        |                          |           | overcast ships Duties at anchor    |
| 6  | 21 |   | SW 1/2 W | NW    | 1/2    |                          |           | at 12 Am astrang Wind              |
| 7  |    |   |          |       |        |                          |           | from N.W. squally with             |
| 8  |    |   |          |       |        |                          |           | Light Rain Ob at anchor to         |
| 9  |    |   |          |       |        |                          |           | 19 Days out                        |
| 10 | 35 |   | WSW      | NW    | 1/2    | 29.70                    |           |                                    |

| Course  | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|---------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| N 75° W | 82 miles | 21' N         | 79° W     | 54° 13'      | 54° 13'     | 20° E     | 2° 18'        | 159° 12'     |             |

| H  | K  | F | COURSES  | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS Tuesday 2 day of May 1911   |
|----|----|---|----------|-------|--------|--------------------------|-----------|-------------------------------------|
| 1  |    |   |          |       |        |                          |           | at 4 Pm astrang Brian               |
| 2  |    |   |          |       |        |                          |           | from N.W. Clouds Stowed Light       |
| 3  |    |   |          |       |        |                          |           | Sails Wind measuring                |
| 4  | 34 |   | SW 1/2 W | NW    | 1/2    | 29.82                    |           | at 6 Pm Stowed fore gallsail        |
| 5  |    |   |          |       |        |                          |           | Red spanker Stowed ship on          |
| 6  |    |   |          |       |        |                          |           | Job Wind increasing from            |
| 7  |    |   |          |       |        |                          |           | N.W. Lights Pumps 5/8 Lookout       |
| 8  | 31 |   | SW 1/2 W | NW    | 1/2    |                          |           | at anchor to                        |
| 9  |    |   |          |       |        |                          |           | at 8 Pm Stowed main gallsail        |
| 10 |    |   |          |       |        |                          |           | sail and main sail astrang          |
| 11 |    |   |          |       |        |                          |           | Brian from N.W.                     |
| 12 | 16 |   | SW 1/2 W | NW    | 1      |                          |           | at 12 Wind Pm increasing at         |
| 1  |    |   |          |       |        |                          |           | is astrang strong Wind from         |
| 2  |    |   |          |       |        |                          |           | N.W. Chase                          |
| 3  |    |   |          |       |        |                          |           | at 4 Am Wind gradually moderating   |
| 4  | 19 |   | SW 1/2 W | NW    | 1      |                          |           | still astrang Brian from            |
| 5  |    |   |          |       |        |                          |           | N.W. and a heavy sea                |
| 6  |    |   |          |       |        |                          |           | at 8 Am Sat Ob Sails moderating     |
| 7  | 23 |   | SW 1/2 W | NW    | 3/4    |                          |           | Chase Observation at anchor to      |
| 8  |    |   |          |       |        |                          |           | at 12 Am Wind moderating            |
| 9  |    |   |          |       |        |                          |           | Chase Ob and ships Duties at anchor |
| 10 |    |   |          |       |        |                          |           | 20 Days out                         |
| 11 |    |   |          |       |        |                          |           |                                     |
| 12 | 19 |   | SW 1/2 W | NW    | 1/2    |                          |           |                                     |

| Course  | Distance  | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|---------|-----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| S 76° W | 142 miles | 34'           | 137'      | 53° 29'      | 53° 11'     | 19° E     | 3° 49'        | 163° 00'     | 163° 23'    |

| H  | K  | F | COURSES  | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS Wednesday 3 day of May 1911 |
|----|----|---|----------|-------|--------|--------------------------|-----------|-------------------------------------|
| 1  |    |   |          |       |        |                          |           | at 2 Pm tookt ship Wind             |
| 2  | 9  |   | SW       | NW    | 1/2    |                          |           | moderating Chase                    |
| 3  |    |   |          |       |        |                          |           | at 4 Pm Light Wind from N.W.        |
| 4  | 10 |   | NE       | NW    | 1/2    |                          |           | Chase ship Duties at anchor to      |
| 5  |    |   |          |       |        |                          |           | moderat sea                         |
| 6  |    |   |          |       |        |                          |           | at 6 Pm Lights Pumps 5/8            |
| 7  |    |   |          |       |        |                          |           | and Lookout at anchor to            |
| 8  | 14 |   | NE 1/2 N | W. NW | 1/2    |                          |           | Light Wind and moderat sea          |
| 9  |    |   |          |       |        |                          |           | from N.W.                           |
| 10 |    |   |          |       |        |                          |           | at 8 Pm Light Wind from             |
| 11 |    |   |          |       |        |                          |           | N.W. Calm at anchor to              |
| 12 |    |   |          |       |        |                          |           | at 12 Pm Calm smooth                |
| 1  |    |   |          |       |        |                          |           | sea                                 |
| 2  |    |   |          |       |        |                          |           | at 4 Am still Calm                  |
| 3  |    |   |          |       |        |                          |           | and smooth                          |
| 4  |    |   |          |       |        |                          |           | at 8 Am alight Wind from            |
| 5  |    |   |          |       |        |                          |           | ESE Clouds ships Duties             |
| 6  |    |   |          |       |        |                          |           | at anchor to                        |
| 7  |    |   |          |       |        |                          |           | at 12 Am Ugamaok Cloud              |
| 8  | 10 |   | NW 1/2 W | East  | 1/2    |                          |           | Bar W 1/2 N Dis 35 miles            |
| 9  |    |   |          |       |        |                          |           | 24 Days out                         |
| 10 |    |   |          |       |        |                          |           |                                     |
| 11 |    |   |          |       |        |                          |           |                                     |
| 12 | 23 |   | NW 1/2 W | East  | 1/2    |                          |           |                                     |

| Course  | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|---------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| N 37° W | 43 miles | 34' N         | 26' W     | 53° 45'      |             | 19° E     | 44' W         | 164° 7'      |             |

## Journal from San Francisco towards Bristol Bay Alaska

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| H K F                      |           |               | COURSES   | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS                            | H K F                      |          |               | COURSES   | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS                           |
|----------------------------|-----------|---------------|-----------|--------------|-------------|-------------|---------------|--------------|------------------------------------|----------------------------|----------|---------------|-----------|--------------|-------------|-------------|---------------|--------------|-----------------------------------|
|                            |           |               |           |              |             | Air         | Water         |              |                                    |                            |          |               |           |              |             | Air         | Water         |              |                                   |
| Thursday day of 4 May 1911 |           |               |           |              |             |             |               |              |                                    | Saturday day of 6 May 1911 |          |               |           |              |             |             |               |              |                                   |
| 1                          |           |               |           |              |             |             |               |              | at 2.30 Pm. Ngamash abian          | 1                          |          |               |           |              |             |             |               |              | at 4 Pm Light Wind from           |
| 2                          |           |               |           |              |             |             |               |              | gaining thru the Pass              | 2                          |          |               |           |              |             |             |               |              | SSE Calm. ships head NNE          |
| 3                          |           |               |           |              |             |             |               |              | at 3 Pm scotch Capy abian          | 3                          |          |               |           |              |             |             |               |              | See sighted Down to Lownd         |
| 4                          | 33        |               | WNW       | East         | East        |             |               |              | Distance of 7 miles Wind ENE       | 4                          | 15       |               | WNW       | SSE          | —           |             |               |              | See Ray ahead of Muller Bay       |
| 5                          |           |               |           |              |             |             |               |              | moderate                           | 5                          |          |               |           |              |             |             |               |              | at 6 Pm Lights Pump 5/2           |
| 6                          |           |               |           |              |             |             |               |              | at 5 Pm Cape Sarichy abian         | 6                          |          |               |           |              |             |             |               |              | Look out star side at anchor      |
| 7                          |           |               |           |              |             |             |               |              | Distance of 6 miles                | 7                          |          |               |           |              |             |             |               |              | at 8 Pm Calm see Down to          |
| 8                          | 31        |               | N+E       | ENE          | 1/2         |             |               |              | Lag 45                             | 8                          |          |               | Calm      | Calm         |             |             |               |              | Lownd                             |
| 9                          |           |               |           |              |             |             |               |              | at 6 Pm Sarichy Cape Bann          | 9                          |          |               |           |              |             |             |               |              | at 10 Pm tookt ship in            |
| 10                         |           |               |           |              |             |             |               |              | SE x E 1/2 E Dis of 9 miles Lights | 10                         | 12       |               | SW        | East         | 1/2         |             |               |              | ahead                             |
| 11                         |           |               |           |              |             |             |               |              | Pumps 5/2 and Look out             | 11                         |          |               |           |              |             |             |               |              | at 12 Pm tookt ship in            |
| 12                         | 18        |               | N+E       | East         | 1/2         |             |               |              | at anchor to stricken              | 12                         | 6        |               | NW        | E            | 1/2         |             |               |              | ahead Light Wind Calm             |
| 1                          |           |               |           |              |             |             |               |              | at 8 Pm Light Wind from            | 1                          |          |               |           |              |             |             |               |              | at 12 am tookt ship               |
| 2                          |           |               |           |              |             |             |               |              | NE squally at times stored         | 2                          | 7        |               | SE x E    | ESE          | 1/2         |             |               |              |                                   |
| 3                          |           |               |           |              |             |             |               |              | Light sails                        | 3                          |          |               |           |              |             |             |               |              | at 4 am making short tack         |
| 4                          | 9         |               | North     | East         | 1/2         |             |               |              | at 11 Pm sat at light sails        | 4                          | 8        |               | NNW       | Varial       | 1/2         |             |               |              | off and on of Cape Lincaran       |
| 5                          |           |               |           |              |             |             |               |              | Wind Light from SE                 | 5                          |          |               |           |              |             |             |               |              | See starboard Down to Lownd       |
| 6                          |           |               |           |              |             |             |               |              | at 4 am still Light Wind           | 6                          |          |               |           |              |             |             |               |              | Sounding taken at freight         |
| 7                          |           |               |           |              |             |             |               |              | and smath                          | 7                          |          |               |           |              |             |             |               |              | and Entails from 17 to 35         |
| 8                          | 5         |               | NNE       | South        | 1/2         |             |               |              | at 8 am Calm and there             | 8                          |          |               |           |              |             |             |               |              | fasten ships Duts at anchor       |
| 9                          |           |               |           |              |             |             |               |              | Ships Duts at anchor the           | 9                          | 10       |               | SW        | Varial       | 1/2         |             |               |              | from 11 am till noon              |
| 10                         |           |               |           |              |             |             |               |              | at 12 am Observation at anchor     | 10                         |          |               |           |              |             |             |               |              | 24 Days out                       |
| 11                         |           |               |           |              |             |             |               |              | the Obs ships Duts from            | 11                         | 8        |               | ENE       | Varial       |             |             |               |              | at 12 am Cape Lincaran Bann       |
| 12                         | 20        |               | NNE       | South        | 1/2         |             |               |              | noon till noon                     | 12                         |          |               |           |              |             |             |               |              | Distance of about 15 miles        |
| 22 Days out                |           |               |           |              |             |             |               |              |                                    |                            |          |               |           |              |             |             |               |              |                                   |
| Course                     | Distance  | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                        | Course                     | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                       |
| N 9° E                     | 94 miles  | 1° 32'        | 13° E     | 55° 17'      | 55° 45'     | 19° E       | 23° E         | 163° 44'     | 164° 31'                           | Varial                     | Varial   | 1° N          | 51° E     | 56° 18'      | —           | 19° E       | 5° E          | 161° 10'     |                                   |
| H K F                      |           |               | COURSES   | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS                            | H K F                      |          |               | COURSES   | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS                           |
|                            |           |               |           |              |             | Air         | Water         |              |                                    |                            |          |               |           |              |             | Air         | Water         |              |                                   |
| Friday 5 day of May 1911   |           |               |           |              |             |             |               |              |                                    | Sunday 7 day of May 1911   |          |               |           |              |             |             |               |              |                                   |
| 1                          |           |               |           |              |             |             |               |              | at 4 Pm a Fresh Wind from          | 1                          |          |               |           |              |             |             |               |              | at 4 Pm Light Wind                |
| 2                          |           |               |           |              |             |             |               |              | SE Calm smath sea                  | 2                          |          |               |           |              |             |             |               |              | from SSE varial to SW             |
| 3                          |           |               |           |              |             |             |               |              | Ships Duts at anchor the           | 3                          | 8        |               | SSE       | SW           | 1/2         |             |               |              | at 5 Pm tookt ship                |
| 4                          | 23        |               | NE x E    | SE           | 1/2         |             |               |              |                                    | 4                          | 6        |               | WNW       | SW           | 1/2         |             |               |              | Light Wind Varial                 |
| 5                          |           |               |           |              |             |             |               |              | at 6 Pm Lights Pump 5/2            | 5                          |          |               |           |              |             |             |               |              | at 7 Pm tookt ship                |
| 6                          |           |               |           |              |             |             |               |              | and the Look out at anchor         | 6                          |          |               |           |              |             |             |               |              | again stand anchor to 12          |
| 7                          |           |               |           |              |             |             |               |              | the along also ships Duts          | 7                          |          |               |           |              |             |             |               |              | the see Wind still Light          |
| 8                          | 40        |               | NE        | SE           | 1/2         |             |               |              | at 8 Pm strong Wind from SE        | 8                          |          |               |           |              |             |             |               |              |                                   |
| 9                          |           |               |           |              |             |             |               |              | increasing stored Light sails      | 9                          | 2        |               | SSE       | SW           | 1/2         |             |               |              | at 12 Pm tookt ship               |
| 10                         |           |               |           |              |             |             |               |              | at 10 Pm stored far and            | 10                         |          |               |           |              |             |             |               |              | stand in Wind gradually           |
| 11                         |           |               |           |              |             |             |               |              | main gaff sail main sail           | 11                         |          |               |           |              |             |             |               |              | increasing from SSE               |
| 12                         | 33        |               | NE        | SE           | 1/2         |             |               |              | at 12 Pm strong hard strong        | 12                         | 5        |               | WNW       | SW           | 1/2         |             |               |              |                                   |
| 1                          |           |               |           |              |             |             |               |              | Wind from SE                       | 1                          |          |               |           |              |             |             |               |              | at 3 am tookt ship                |
| 2                          | 13        |               | NE        | SE           | 1/2         |             |               |              | at 12 Pm stored far and main       | 2                          |          |               |           |              |             |             |               |              | stood in toward the               |
| 3                          |           |               |           |              |             |             |               |              | upper top sail open the            | 3                          | 4        |               | ENE       | SSW          | 1/2         |             |               |              | Land on Muller Bay                |
| 4                          | 10        |               | SW        | SE           | 3/4         |             |               |              | at 2 am strack see wave            | 4                          |          |               |           |              |             |             |               |              | Sounding taken frequently         |
| 5                          |           |               |           |              |             |             |               |              | ship stand out                     | 5                          |          |               |           |              |             |             |               |              | at 7 am tookt ship                |
| 6                          | 7         |               | East      | SSE          | 1           |             |               |              | at 4 am wave ship stand in         | 6                          |          |               |           |              |             |             |               |              | stand out Wind squally            |
| 7                          |           |               |           |              |             |             |               |              | astrong Breeze from SSE squally    | 7                          | 10       |               | ESE       | SW           | 1/2         |             |               |              | from SSW with snow                |
| 8                          |           |               |           |              |             |             |               |              | at 6 am wave ship stand out        | 8                          |          |               |           |              |             |             |               |              | ships Duts at anchor the          |
| 9                          |           |               |           |              |             |             |               |              | see ahead                          | 9                          |          |               |           |              |             |             |               |              | at 12 Varial towards and distance |
| 10                         |           |               |           |              |             |             |               |              | at 9 am tookt ship stand in        | 10                         |          |               |           |              |             |             |               |              | Varial Winds making short tack    |
| 11                         |           |               |           |              |             |             |               |              | see Down to Lownd Calm ahead       | 11                         |          |               |           |              |             |             |               |              | of Muller Bay                     |
| 12                         | 14        |               | East      | SSE          | 1/2         |             |               |              | at 12 Light Breeze from SSE        | 12                         | 15       |               | NW        | SW           | 1/2         |             |               |              |                                   |
| 23 Days out                |           |               |           |              |             |             |               |              |                                    |                            |          |               |           |              |             |             |               |              |                                   |
| Course                     | Distance  | Diff. of Lat. | Depart    | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                        | Course                     | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                       |
| N 72° E                    | 115 miles | 35° N         | 109° E    | 56° 20'      | 58° 17'     | 19° E       | 3° 16'        | 161° 16'     |                                    | N 42° W                    | 7 miles  | 5° N          | 4° W      | 68° 26'      |             |             | 19° E         | 4° W         | 161° 15'                          |

## Journal from San Francisco towards Bristol Bay Alaska

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| H  | K  | F | COURSES | WINDS | LEEWAY | Thermometer | Barometer | REMARKS                               |
|----|----|---|---------|-------|--------|-------------|-----------|---------------------------------------|
|    |    |   |         |       |        | Air         | Water     |                                       |
| 1  |    |   |         |       |        |             |           | Monday 8 day of May 1911              |
| 2  | 7  |   | NW      | SW    | 1/2    |             |           | at 2 <sup>30</sup> Pm. Tackit ship    |
| 3  |    |   |         |       |        |             |           | stood in toward the shore             |
| 4  |    |   |         |       |        |             |           | Wind moderat. Clear but               |
| 5  |    |   |         |       |        |             |           | of time snow ships Duties stand       |
| 6  |    |   |         |       |        |             |           | in                                    |
| 7  |    |   |         |       |        |             |           | at 6 Pm Pumps 5/4 Lights and          |
| 8  |    |   |         |       |        |             |           | Lackhant ship at stand at the         |
| 9  |    |   |         |       |        |             |           | ships Charaund                        |
| 10 | 16 |   | S.W.    | Wist  |        |             |           | at 8 Pm Estrang Briase                |
| 11 |    |   |         |       |        |             |           | with snow from S.W.                   |
| 12 |    |   |         |       |        |             |           |                                       |
| 1  |    |   |         |       |        |             |           | at 10 <sup>30</sup> Tackit ship stood |
| 2  |    |   |         |       |        |             |           | off strong Wind from S.W.             |
| 3  | 10 |   | N.W.W   | West  |        |             |           | with snow sea moderat                 |
| 4  |    |   |         |       |        |             |           |                                       |
| 5  |    |   |         |       |        |             |           | at 3 <sup>30</sup> Tackit ship stood  |
| 6  |    |   |         |       |        |             |           | in sighted Ice ahead                  |
| 7  |    |   |         |       |        |             |           | at 8 am amoderat Wind from            |
| 8  |    |   |         |       |        |             |           | S.W. Clear Part of time ships         |
| 9  |    |   |         |       |        |             |           | Duties stand at the                   |
| 10 |    |   |         |       |        |             |           | at 12 Observation stand at the        |
| 11 |    |   |         |       |        |             |           | marking short tracks Varibel          |
| 12 | 6  |   | S.W     | WSW   | 1/2    |             |           | Courser stand During the 24           |
|    |    |   |         |       |        |             |           | hours 26 Days out of Moller Bay       |

| Course  | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|---------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| Varibel | Varibel  | 2' S          | 18' W     | 56° 21'      | 56° 21'     | 19° E     | 33' W         | 161° 47'     | 161° 19'    |

| H  | K  | F | COURSES | WINDS | LEEWAY | Thermometer | Barometer | REMARKS                            |
|----|----|---|---------|-------|--------|-------------|-----------|------------------------------------|
|    |    |   |         |       |        | Air         | Water     |                                    |
| 1  |    |   |         |       |        |             |           | Tuesday 9 day of May 1911          |
| 2  |    |   |         |       |        |             |           | at 12 <sup>30</sup> Pm Tackit ship |
| 3  |    |   |         |       |        |             |           | stood at Wind Light sea            |
| 4  | 2  |   | NW      | WSW   | 1/2    |             |           | moderat ships Duties stand         |
| 5  |    |   |         |       |        |             |           | ships sighted clear around         |
| 6  |    |   |         |       |        |             |           | at 6 Pm Lights Pumps 5/4 and       |
| 7  |    |   |         |       |        |             |           | the Lackhant ship at stand at the  |
| 8  |    |   |         |       |        |             |           | in Tackit ship stood out           |
| 9  |    |   |         |       |        |             |           |                                    |
| 10 |    |   |         |       |        |             |           | at 12 Pm still standing            |
| 11 |    |   |         |       |        |             |           | Out Wind Light sea smoth           |
| 12 | 8  |   | NNW     | East  | 1/2    |             |           |                                    |
| 1  |    |   |         |       |        |             |           | at 2 Pm Tackit ship stood          |
| 2  | 6  |   | NNW     | E     | 1/2    |             |           | in toward shore still              |
| 3  |    |   |         |       |        |             |           | Light Wind Clear sea smoth         |
| 4  |    |   |         |       |        |             |           |                                    |
| 5  |    |   |         |       |        |             |           |                                    |
| 6  |    |   |         |       |        |             |           |                                    |
| 7  |    |   |         |       |        |             |           | at 11 E x N Tackit ship            |
| 8  |    |   |         |       |        |             |           | stood out ships sighted            |
| 9  |    |   |         |       |        |             |           | clear around                       |
| 10 |    |   |         |       |        |             |           |                                    |
| 11 | 12 |   | E x N   | NNW   | 1/2    |             |           | at 12 Observation stand at the     |
| 12 |    |   |         |       |        |             |           | also ships Duties from noon        |
|    |    |   |         |       |        |             |           | till noon 27 Days out              |

| Course  | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|---------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| Varibel | Varibel  | 3' E          | 1' S      | 56° 26'      | 56° 26'     | 19° E     | 11' E         | 161° 14'     | 161° 12'    |

| H  | K  | F | COURSES | WINDS | LEEWAY | Thermometer | Barometer | REMARKS                            |
|----|----|---|---------|-------|--------|-------------|-----------|------------------------------------|
|    |    |   |         |       |        | Air         | Water     |                                    |
| 1  |    |   |         |       |        |             |           | Wednesday 10 day of May 1911       |
| 2  |    |   |         |       |        |             |           | at 3 <sup>30</sup> Pm Tackit ship  |
| 3  | 12 |   | NW      | NE    | 1/4    |             |           | stood in moderat Briase            |
| 4  |    |   |         |       |        |             |           | from N.W.E. Clouds                 |
| 5  |    |   |         |       |        |             |           | at 6 Pm Lights Pumps 5/4           |
| 6  |    |   |         |       |        |             |           | and Lackhant stand at the          |
| 7  | 10 |   | ENE     | NE    | 1/4    |             |           | at 7 Pm sighted one of             |
| 8  |    |   |         |       |        |             |           | the Campers ship in                |
| 9  |    |   |         |       |        |             |           | the sea maybe the Lackhant         |
| 10 |    |   |         |       |        |             |           | Tackit ship stood out              |
| 11 | 17 |   | NW      | NNE   | 1/4    |             |           | moderat Wind smoth sea             |
| 12 |    |   |         |       |        |             |           | sheep at times                     |
| 1  |    |   |         |       |        |             |           |                                    |
| 2  |    |   |         |       |        |             |           | at 10 Pm Tackit ship               |
| 3  |    |   |         |       |        |             |           | sighted her home to on the         |
| 4  |    |   |         |       |        |             |           | Port Tack Light Wind smoth         |
| 5  |    |   |         |       |        |             |           | sea ships sighted clear around     |
| 6  |    |   |         |       |        |             |           |                                    |
| 7  |    |   |         |       |        |             |           | at 8 am still hauled to on Port    |
| 8  |    |   |         |       |        |             |           | Tack Light Wind ships Duties       |
| 9  |    |   |         |       |        |             |           | stand at the gauging 30 fathoms    |
| 10 |    |   |         |       |        |             |           | at 12 Am Calme Red Light           |
| 11 |    |   |         |       |        |             |           | from ship Duties stand at the      |
| 12 |    |   |         |       |        |             |           | from noon till noon hauled to Port |
|    |    |   |         |       |        |             |           | of time of matter stands sea smoth |
|    |    |   |         |       |        |             |           | 28 Days out                        |

| Course  | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|---------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| Varibel | Varibel  | 1'            | 1' W      | 56° 26'      | 56° 26'     | 19° E     | 2' W          | 160° 25'     | 160° 25'    |

| H  | K  | F | COURSES | WINDS | LEEWAY | Thermometer | Barometer | REMARKS                                 |
|----|----|---|---------|-------|--------|-------------|-----------|-----------------------------------------|
|    |    |   |         |       |        | Air         | Water     |                                         |
| 1  |    |   |         |       |        |             |           | Thursday 11 day of May 1911             |
| 2  |    |   |         |       |        |             |           | at 5 Pm Tackit ship stood               |
| 3  |    |   |         |       |        |             |           | out Wind moderat sea                    |
| 4  |    |   |         |       |        |             |           | smoth Clouds Ice sighted                |
| 5  | 2  |   |         |       |        |             |           | down to toward ship sighted             |
| 6  |    |   |         |       |        |             |           | clear around Ice Bound                  |
| 7  |    |   |         |       |        |             |           |                                         |
| 8  |    |   |         |       |        |             |           | at 6 Pm Lights Pumps 6/4                |
| 9  |    |   |         |       |        |             |           | and Lackhant stand at the               |
| 10 |    |   |         |       |        |             |           | ali wall                                |
| 11 |    |   |         |       |        |             |           |                                         |
| 12 | 12 |   | S x E   | ESE   | 1/4    |             |           | at 12 Pm Tackit ship                    |
| 1  |    |   |         |       |        |             |           | stood in Light Wind from                |
| 2  |    |   |         |       |        |             |           | ESE Clouds overcast ship                |
| 3  |    |   |         |       |        |             |           | head N.E.E. hove to at 3 am             |
| 4  | 4  |   | NE x E  | ESE   | 1/4    |             |           | hid the main yards                      |
| 5  |    |   |         |       |        |             |           | at 4 am sat the main galley             |
| 6  |    |   |         |       |        |             |           | sail stood in toward the sea            |
| 7  |    |   |         |       |        |             |           | at 7 <sup>30</sup> am struck Ice Tackit |
| 8  | 12 |   | NNE     | ENE   | 1/4    |             |           | ship stood out stand main               |
| 9  |    |   |         |       |        |             |           | galley sail snow at times               |
| 10 |    |   |         |       |        |             |           | at 12 Pm Light Wind from south          |
| 11 |    |   |         |       |        |             |           | Partly Calm ship head E x N             |
| 12 | 5  |   | NNE     | ENE   | 1/4    |             |           | standing 36 fathoms fine gray           |
|    |    |   |         |       |        |             |           | sand and Bsp. ships Duties stand        |
|    |    |   |         |       |        |             |           | 29 Days out                             |

| Course  | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob. |
|---------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-------------|
| Varibel | Varibel  | 1'            | 2' W      | 56° 27'      | 56° 27'     | 19° E     | 5' W          | 160° 55'     | 160° 55'    |

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| H K F                     |          |               |           |               |             |           |               |                              |                           | H K F   |          |               |           |               |             |           |                             |               |             |
|---------------------------|----------|---------------|-----------|---------------|-------------|-----------|---------------|------------------------------|---------------------------|---------|----------|---------------|-----------|---------------|-------------|-----------|-----------------------------|---------------|-------------|
| COURSES                   |          |               | WINDS     | LEEWAY        | Thermometer |           | Barometer     | REMARKS                      | COURSES                   |         |          | WINDS         | LEEWAY    | Thermometer   |             | Barometer | REMARKS                     |               |             |
|                           |          |               |           |               | Air         | Water     |               |                              |                           |         |          |               |           | Air           | Water       |           |                             |               |             |
| Friday 12 day of May 1911 |          |               |           |               |             |           |               |                              | Sunday 14 day of May 1911 |         |          |               |           |               |             |           |                             |               |             |
| 1                         |          |               |           |               |             |           |               | at 4 Pm Van Light are from   | 1                         |         |          |               |           |               |             |           | at 4 Pm, machat Broad       |               |             |
| 2                         |          |               |           |               |             |           |               | Vanth smath ships head       | 2                         |         |          |               |           |               |             |           | East foggy ships head       |               |             |
| 3                         |          |               |           |               |             |           |               | Ex V base snow Part of time  | 3                         |         |          |               |           |               |             |           | SSW foghorn and Lookant     |               |             |
| 4                         | 3        | Ex N          | North     | 1/2           |             |           |               | ships Dutis atand at tu      | 4                         | 14      | N x E    | East          | 1/2       |               |             |           | atand at tu tackt ship      |               |             |
| 5                         |          |               |           |               |             |           |               |                              | 5                         |         |          |               |           |               |             |           |                             |               |             |
| 6                         | 7        | S x W         | West      | 1/2           |             |           |               | at 6 Pm Lights Pump 6 inches | 6                         |         |          |               |           |               |             |           | at 6 Pm Lights Pump 6       |               |             |
| 7                         |          |               |           |               |             |           |               | and Lookant atand at tu      | 7                         |         |          |               |           |               |             |           | and Lookant atand at tu     |               |             |
| 8                         |          |               |           |               |             |           |               | at 6 30 Pm tackt ship        | 8                         | 14      | S. E.    | ENE           | 1/2       |               |             |           |                             |               |             |
| 9                         |          |               |           |               |             |           |               | foggy foghorn sticking       | 9                         |         |          |               |           |               |             |           |                             |               |             |
| 10                        |          |               |           |               |             |           |               | atand at tu                  | 10                        |         |          |               |           |               |             |           |                             |               |             |
| 11                        | 3        | S x W         | SW        | 1/2           |             |           |               | at 11 Pm Light Wind blowing  | 11                        | 2       | N x E    | East          | 1/2       |               |             |           | at 8 Pm tackt ship Light    |               |             |
| 12                        |          |               |           |               |             |           |               | tackit ship stood to the     | 12                        |         |          |               |           |               |             |           | Wind via smath base Lights  |               |             |
| 1                         |          |               |           |               |             |           |               | Wested still foggy via       | 1                         | 3       | E S E    | VNE           | 1/2       |               |             |           | and Lookant atand at tu     |               |             |
| 2                         |          |               |           |               |             |           |               | smath foghorn sticking       | 2                         |         |          |               |           |               |             |           |                             |               |             |
| 3                         |          |               |           |               |             |           |               | atand at tu                  | 3                         |         |          |               |           |               |             |           | at 11 Pm tackt ship again   |               |             |
| 4                         | 2        | S. W.         | WNW       | 1/2           |             |           |               |                              | 4                         |         |          |               |           |               |             |           | stood in Wind Light base    |               |             |
| 5                         |          |               |           |               |             |           |               |                              | 5                         |         |          |               |           |               |             |           |                             |               |             |
| 6                         |          |               |           |               |             |           |               |                              | 6                         |         |          |               |           |               |             |           |                             |               |             |
| 7                         |          |               |           |               |             |           |               | at 12 Pm still have Light    | 7                         |         |          |               |           |               |             |           | at 1 Pm tackt ship Deeper   |               |             |
| 8                         |          |               |           |               |             |           |               | Wind via smath               | 8                         | 10      | N. W.    | NNE           | 1/2       |               |             |           | stood out still alight Wind |               |             |
| 9                         |          |               |           |               |             |           |               |                              | 9                         |         |          |               |           |               |             |           | from VNE ships sighted      |               |             |
| 10                        |          |               |           |               |             |           |               | at 8 Am tackt ship           | 10                        |         |          |               |           |               |             |           | alround                     |               |             |
| 11                        | 3        | S S W         | SW        |               |             |           |               | stood in ships Dutis atand   | 11                        |         |          |               |           |               |             |           | at 8 Am tackt ship again    |               |             |
| 12                        |          |               |           |               |             |           |               | tu                           | 12                        | 7       | S. S. E. | ENE           | 1/2       |               |             |           | in still alight Wind Cloud  |               |             |
|                           |          |               |           |               |             |           |               | at 12 Am Clouds Wind Light   |                           |         |          |               |           |               |             |           | at 12 Am Light Wind base    |               |             |
|                           |          |               |           |               |             |           |               | 30 Days out                  |                           |         |          |               |           |               |             |           | ships Dutis atand at tu     |               |             |
|                           |          |               |           |               |             |           |               |                              |                           |         |          |               |           |               |             |           | 32 Days out                 |               |             |
| Course                    | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R.                | Lon. by Ob.               | Course  | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon.               | Lon. by D. R. | Lon. by Ob. |
| Varibul                   | Varibul  | 2' N          | 1' W      | 56° 27'       |             | 19° E     | 3' N          | 160° 55'                     |                           | Varibul | Varibul  | 2' N          | 11' E     | 56° 44'       | 56° 53'     | 19° E     | 21' E                       | 160° 53'      | 160° 53'    |

| H K F                       |          |               |        |               |             |           |               |                              |                           | H K F   |          |               |           |               |             |           |                                  |               |             |
|-----------------------------|----------|---------------|--------|---------------|-------------|-----------|---------------|------------------------------|---------------------------|---------|----------|---------------|-----------|---------------|-------------|-----------|----------------------------------|---------------|-------------|
| COURSES                     |          |               | WINDS  | LEEWAY        | Thermometer |           | Barometer     | REMARKS                      | COURSES                   |         |          | WINDS         | LEEWAY    | Thermometer   |             | Barometer | REMARKS                          |               |             |
|                             |          |               |        |               | Air         | Water     |               |                              |                           |         |          |               |           | Air           | Water       |           |                                  |               |             |
| Saturday 13 day of May 1911 |          |               |        |               |             |           |               |                              | Monday 15 day of May 1911 |         |          |               |           |               |             |           |                                  |               |             |
| 1                           |          |               |        |               |             |           |               | at 4 Pm Light Wind           | 1                         |         |          |               |           |               |             |           | at 4 Pm Light Wind Calm          |               |             |
| 2                           |          |               |        |               |             |           |               | from S. W. base via smath    | 2                         |         |          |               |           |               |             |           | Part of time Westerly via        |               |             |
| 3                           |          |               |        |               |             |           |               | ships Dutis atand at tu      | 3                         |         |          |               |           |               |             |           | Clear ships Dutis atand at tu    |               |             |
| 4                           | 8        | Ex N          | NNE    | 1/2           |             |           |               | Sounding 35 fathoms          | 4                         | 2       | S S W.   | East          | 1/2       |               |             | 29.60     | at 6 Pm Lights Pump 6            |               |             |
| 5                           |          |               |        |               |             |           |               | at 6 Pm Lights Pump 6        | 5                         |         |          |               |           |               |             |           | and Lookant atand at ships       |               |             |
| 6                           |          |               |        |               |             |           |               | and Lookant atand at tu      | 6                         |         |          |               |           |               |             |           | sighted alround                  |               |             |
| 7                           |          |               |        |               |             |           |               | at 8 Pm still alight are     | 7                         |         |          |               |           |               |             |           |                                  |               |             |
| 8                           |          |               |        |               |             |           |               | from W S W Clouds Part of    | 8                         | 4       | S. S. W  | East          | -         |               |             |           | at 8 Pm Very Light Wind          |               |             |
| 9                           |          |               |        |               |             |           |               | time foggy foghorn           | 9                         |         |          |               |           |               |             |           | from East Calm at times          |               |             |
| 10                          |          |               |        |               |             |           |               | strictly abundant            | 10                        |         |          |               |           |               |             |           | a have S S W via Running         |               |             |
| 11                          |          |               |        |               |             |           |               |                              | 11                        |         |          |               |           |               |             |           |                                  |               |             |
| 12                          | 6        | West          | NNE    | 1/2           |             |           |               | at 12 Pm Backt main yards    | 12                        | 3       | S S W    | East.         | -         |               |             |           | at 12 Pm still Calm above        |               |             |
| 1                           |          |               |        |               |             |           |               | have to on starboard tack    | 1                         |         |          |               |           |               |             |           | S S W via Running Lights         |               |             |
| 2                           |          |               |        |               |             |           |               | Very Light Wind from W S W   | 2                         |         |          |               |           |               |             |           | and Lookant atand at tu          |               |             |
| 3                           |          |               |        |               |             |           |               | Light snow                   | 3                         |         |          |               |           |               |             |           |                                  |               |             |
| 4                           |          |               |        |               |             |           |               |                              | 4                         | 2       | South    | NE            | -         |               |             |           | at 4 Am still alight are from    |               |             |
| 5                           |          |               |        |               |             |           |               |                              | 5                         |         |          |               |           |               |             |           | NE there and a shot via from     |               |             |
| 6                           |          |               |        |               |             |           |               | at 8 Am Lid main yards       | 6                         |         |          |               |           |               |             |           | S S W ships head South           |               |             |
| 7                           |          |               |        |               |             |           |               | alight Release from the West | 7                         |         |          |               |           |               |             |           |                                  |               |             |
| 8                           | 2        | S. S W        | West   |               |             |           |               | base via smath ships Dutis   | 8                         | 6       | S E x S  | NE            | -         |               |             |           | at 8 Am Part of time Calm        |               |             |
| 9                           |          |               |        |               |             |           |               | atand at tu                  | 9                         |         |          |               |           |               |             |           | and have via from S S W          |               |             |
| 10                          |          |               |        |               |             |           |               | at 12 Am Van Light Wind from | 10                        |         |          |               |           |               |             |           | at 12 slight Release from NE     |               |             |
| 11                          |          |               |        |               |             |           |               | S W there via smath Observed | 11                        |         |          |               |           |               |             |           | have via from S S W Obs atand at |               |             |
| 12                          | 2        | S E           | SW     |               |             |           |               | atand at tu Observed         | 12                        | 6       | S E x E  | NE            | -         |               |             |           | 33 Days out                      |               |             |
|                             |          |               |        |               |             |           |               | 31 Days out                  |                           |         |          |               |           |               |             |           |                                  |               |             |
| Course                      | Distance | Diff. of Lat. | Depart | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R.                | Lon. by Ob.               | Course  | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon.                    | Lon. by D. R. | Lon. by Ob. |
| Varibul                     |          |               | 8'     | 8'            | 56° 31'     |           | 19° E         | 16°                          | 160° 54'                  | S 14° W | 20 miles | 19' S         | 4' 4"     | 56° 25'       | 56° 27'     | 19° E     | 8' W                             | 160° 55'      | 160° 57'    |

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| H  | K | F | COURSES | WINDS | LEEWAY | Thermometer | Barometer | REMARKS                         |
|----|---|---|---------|-------|--------|-------------|-----------|---------------------------------|
|    |   |   |         |       |        | Air         | Water     |                                 |
| 1  |   |   |         |       |        |             |           | Tuesday 16th day of May 1911    |
| 2  |   |   |         |       |        |             |           | at 4:00 pm Light Wind from      |
| 3  |   |   |         |       |        |             |           | NNE Chare ships head ESE        |
| 4  | 6 |   | ESE     | NNE   | 1/2    |             |           | a hazy sea from S.S.W. ships    |
| 5  |   |   |         |       |        |             |           | Duties stand at in              |
| 6  |   |   |         |       |        |             |           | at 6:00 pm Lights Pumps 6/8     |
| 7  |   |   |         |       |        |             |           | and Locks at stand at in        |
| 8  | 5 |   | WxN     | Varth | 1/2    |             |           | at 8:00 pm still Light Wind     |
| 9  |   |   |         |       |        |             |           | Chare a hazy sea from S.S.W.    |
| 10 |   |   |         |       |        |             |           | ships head WxN                  |
| 11 |   |   |         |       |        |             |           | at 12:00 pm Light are from      |
| 12 | 3 |   | WxN     | North | 1/2    |             |           | Varth Part of time Calm         |
| 1  |   |   |         |       |        |             |           | at 4:00 am Wavy Light are       |
| 2  |   |   |         |       |        |             |           | from NNE Chare                  |
| 3  |   |   |         |       |        |             |           | at 8:00 am Calm other the       |
| 4  | 2 |   | WxN     | NNE   | 1      |             |           | Watch ships Duties stand at     |
| 5  |   |   |         |       |        |             |           | at 12:00 am a Wavy Light Breeze |
| 6  |   |   |         |       |        |             |           | from S.W. Chare - sea moderate  |
| 7  |   |   |         |       |        |             |           | Observation and ships Duties    |
| 8  |   |   |         |       |        |             |           | stand at in                     |
| 9  |   |   |         |       |        |             |           | at 8:00 am Calm other the       |
| 10 |   |   |         |       |        |             |           | Watch ships Duties stand at     |
| 11 |   |   |         |       |        |             |           | at 12:00 am a Wavy Light Breeze |
| 12 | 5 |   | NE      | SW    | —      |             | 29.50     | from S.W. Chare - sea moderate  |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Obs. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Obs. |
|--------|----------|---------------|-----------|--------------|--------------|-----------|---------------|--------------|--------------|
| Varth  | Varth    | 3'            | 1'        | 56° 29'      | 56° 30'      | 19° E     | 2' E          | 160° 57'     | 161° 14'     |

| H  | K  | F | COURSES | WINDS | LEEWAY | Thermometer | Barometer | REMARKS                                                                         |
|----|----|---|---------|-------|--------|-------------|-----------|---------------------------------------------------------------------------------|
|    |    |   |         |       |        | Air         | Water     |                                                                                 |
| 1  |    |   |         |       |        |             |           | Wednesday 17th day of May 1911                                                  |
| 2  |    |   |         |       |        |             |           | at 4:00 pm sighted a steamer                                                    |
| 3  |    |   |         |       |        |             |           | coming out being SS Vushag.                                                     |
| 4  | 6  |   | N.E     | NNW   | 1/2    |             |           | Light Wind from N.W. Chare                                                      |
| 5  |    |   |         |       |        |             |           | at 5:45 Barded the steamer from steamer Vushagok Lat 54° 34' N, Long 161° 08' W |
| 6  |    |   |         |       |        |             |           | at 6:00 pm Lights Pumps 8/8                                                     |
| 7  |    |   |         |       |        |             |           | and Locks at stand at in                                                        |
| 8  |    |   |         |       |        |             |           | at 8:00 am still on tow by steamer                                              |
| 9  |    |   |         |       |        |             |           | at 11:15 Latga Flanser sat sails decided on over over Hook                      |
| 10 |    |   |         |       |        |             |           | Light Wind from the North Part of time Calm Sea smooth                          |
| 11 |    |   |         |       |        |             |           | Ships head West by S                                                            |
| 12 |    |   |         |       |        |             |           | at 11:15 Latga Flanser sat sails decided on over over Hook                      |
| 1  |    |   |         |       |        |             |           | at 11:15 Latga Flanser sat sails decided on over over Hook                      |
| 2  |    |   |         |       |        |             |           | at 11:15 Latga Flanser sat sails decided on over over Hook                      |
| 3  |    |   |         |       |        |             |           | at 11:15 Latga Flanser sat sails decided on over over Hook                      |
| 4  | 4  |   | WxS     | NW    | 1/2    |             |           | at 11:15 Latga Flanser sat sails decided on over over Hook                      |
| 5  |    |   |         |       |        |             |           | at 11:15 Latga Flanser sat sails decided on over over Hook                      |
| 6  |    |   |         |       |        |             |           | at 11:15 Latga Flanser sat sails decided on over over Hook                      |
| 7  |    |   |         |       |        |             |           | at 11:15 Latga Flanser sat sails decided on over over Hook                      |
| 8  | 6  |   | NxE     | NW    | 1/2    |             |           | at 11:15 Latga Flanser sat sails decided on over over Hook                      |
| 9  |    |   |         |       |        |             |           | at 11:15 Latga Flanser sat sails decided on over over Hook                      |
| 10 |    |   |         |       |        |             |           | at 11:15 Latga Flanser sat sails decided on over over Hook                      |
| 11 |    |   |         |       |        |             |           | at 11:15 Latga Flanser sat sails decided on over over Hook                      |
| 12 | 12 |   | NNE     | NW    | 1/2    |             |           | at 11:15 Latga Flanser sat sails decided on over over Hook                      |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Obs. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Obs. |
|--------|----------|---------------|-----------|--------------|--------------|-----------|---------------|--------------|--------------|
| Varth  | Varth    | 23'           | 11'       | 57° 06'      | 57° 06'      | 19° E     | 47' E         | 159° 20'     | 159° 20'     |

Journal from San Francisco towards Bristol Bay Alaska

| H  | K  | F | COURSES | WINDS | LEEWAY | Thermometer | Barometer | REMARKS                               |
|----|----|---|---------|-------|--------|-------------|-----------|---------------------------------------|
|    |    |   |         |       |        | Air         | Water     |                                       |
| 1  |    |   |         |       |        |             |           | Thursday 18th day of May 1911         |
| 2  |    |   |         |       |        |             |           | at 4:00 pm Light Wind from NW         |
| 3  |    |   |         |       |        |             |           | Bearings, Part hidden Bar SE E        |
| 4  | 15 |   | NNE     | NW    | —      |             | 29.50     | Distance of 25 miles                  |
| 5  |    |   |         |       |        |             |           | Sight Island Bar SE E Dist 37 miles   |
| 6  |    |   |         |       |        |             |           | Dir of Land at Bath Bearing 12 miles  |
| 7  |    |   |         |       |        |             |           | Lat 57° 19' N Long 159° 00' W spark   |
| 8  | 10 |   | NExN    | SW    | —      |             |           | to 55° Kuchak                         |
| 9  |    |   |         |       |        |             |           | at 6:00 pm Light Pumps 8/8            |
| 10 |    |   |         |       |        |             |           | and Locks at stand at in              |
| 11 |    |   |         |       |        |             |           | at 8:00 pm still a light Wind         |
| 12 | 7  |   | NNE     | SW    | —      |             |           | from S.W. Part of time Calm           |
| 1  |    |   |         |       |        |             |           | at 12:00 pm still a light are         |
| 2  |    |   |         |       |        |             |           | from S.W. ships head - NNE            |
| 3  |    |   |         |       |        |             |           | Calm at time                          |
| 4  | 8  |   | NNE     | SW    | —      |             |           | at 4:00 am Light Wind from SW         |
| 5  |    |   |         |       |        |             |           | foggy snow at times                   |
| 6  |    |   |         |       |        |             |           | at 8:00 am of Ugashek share           |
| 7  |    |   |         |       |        |             |           | Light Wind Chare ships head           |
| 8  | 8  |   | NNE     | SW    | —      |             |           | WxW                                   |
| 9  |    |   |         |       |        |             |           | at 2:00 pm still Light Wind cloudy    |
| 10 |    |   |         |       |        |             |           | with snow Chare at times Obs stand at |
| 11 |    |   |         |       |        |             |           | 36 Days out                           |
| 12 | 13 |   | NxW     | SSW   | —      |             |           |                                       |

| Course  | Distance  | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Obs. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Obs. |
|---------|-----------|---------------|-----------|--------------|--------------|-----------|---------------|--------------|--------------|
| N 40° E | 5.3 miles | 37' N         | 31' S     | 57° 40'      | 57° 50'      | 19° E     | 58° E         | 158° 22'     | 158° 07'     |

| H  | K | F | COURSES | WINDS | LEEWAY | Thermometer | Barometer | REMARKS                                                         |
|----|---|---|---------|-------|--------|-------------|-----------|-----------------------------------------------------------------|
|    |   |   |         |       |        | Air         | Water     |                                                                 |
| 1  |   |   |         |       |        |             |           | Friday 19th day of May 1911                                     |
| 2  |   |   |         |       |        |             |           | at 4:00 pm Light Wind from                                      |
| 3  |   |   |         |       |        |             |           | S.W. - S.W. ships head WxW                                      |
| 4  | 6 |   | NxE     | SW    | —      |             |           | up Ugashek share sandalings                                     |
| 5  |   |   |         |       |        |             |           | to fine fragments of water gray                                 |
| 6  | 3 |   | NNE     | SW    | —      |             |           | sand black spark                                                |
| 7  |   |   |         |       |        |             |           | at 6:00 pm Lights Pumps 8/8                                     |
| 8  | 5 |   | East    | SW    | —      |             |           | and Locks at stand at in                                        |
| 9  |   |   |         |       |        |             |           | in Buggy Wavy thick and snow                                    |
| 10 |   |   |         |       |        |             |           | at 8:00 pm sandalings taken                                     |
| 11 |   |   |         |       |        |             |           | fragments of water to an starbed                                |
| 12 | 3 |   | ExN     | SW    | —      |             |           | thick dark and foggy foggy                                      |
| 1  |   |   |         |       |        |             |           | struck at stand at in                                           |
| 2  |   |   |         |       |        |             |           | at 12:00 pm still Floved the                                    |
| 3  |   |   |         |       |        |             |           | on Port track foggy with                                        |
| 4  |   |   |         |       |        |             |           | snow Wind Light sea smooth                                      |
| 5  |   |   |         |       |        |             |           | at 3:30 am Sguard of Vushagok                                   |
| 6  |   |   |         |       |        |             |           | Korea Light S.S.W. Wind Partly                                  |
| 7  |   |   |         |       |        |             |           | Chare snow at times sandalings                                  |
| 8  |   |   |         |       |        |             |           | fragments 15 to 11 fathoms of sea                               |
| 9  |   |   |         |       |        |             |           | at 8:30 am steamer Vushagok came along side of K. sail for go   |
| 10 |   |   |         |       |        |             |           | to an anchor of E. K. Village, drop anchor of E. K. at 11:00 am |
| 11 |   |   |         |       |        |             |           | steamer Vushagok came along side of K. sail for go              |
| 12 |   |   |         |       |        |             |           | at 8:30 am steamer Vushagok came along side of K. sail for go   |

| Course | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Obs. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Obs. |
|--------|----------|---------------|-----------|--------------|--------------|-----------|---------------|--------------|--------------|
| Varth  | Varth    | 23'           | 11'       | 57° 06'      | 57° 06'      | 19° E     | 47' E         | 159° 20'     | 159° 20'     |

## Journal from San Francisco towards Bristol Bay Alaska

## Journal from Bristol Bay towards San Francisco

| H                                                                                                                 | K | F | COURSES          | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS                                  | day of            |
|-------------------------------------------------------------------------------------------------------------------|---|---|------------------|-------|--------|--------------------------|-----------|------------------------------------------|-------------------|
| 1                                                                                                                 |   |   |                  |       |        |                          |           | at 11 am Dript anchor of                 | Saturday May 1911 |
| 2                                                                                                                 |   |   | Varied Course    |       |        |                          |           | Ekuk Point 30 fathoms of                 |                   |
| 3                                                                                                                 |   |   | all thru the Day |       |        |                          |           | Chane in the Water ago                   |                   |
| 4                                                                                                                 |   |   |                  |       |        |                          |           | Shamur Vushogak gave order to leave Kady |                   |
| 5                                                                                                                 |   |   |                  |       |        |                          |           | to have anchor at 4 pm                   |                   |
| 6                                                                                                                 |   |   |                  |       |        |                          |           | at 4 pm have anchor and                  |                   |
| 7                                                                                                                 |   |   |                  |       |        |                          |           | decided on the Clarke                    |                   |
| 8                                                                                                                 |   |   |                  |       |        |                          |           | Canary                                   |                   |
| 9                                                                                                                 |   |   |                  |       |        |                          |           | at 6 pm Dript anchor                     |                   |
| 10                                                                                                                |   |   |                  |       |        |                          |           | at Clarke Canary 30 fathoms              |                   |
| 11                                                                                                                |   |   |                  |       |        |                          |           | of Chane in the Water ago                |                   |
| 12                                                                                                                |   |   |                  |       |        |                          |           | all on board for that night              |                   |
| 1                                                                                                                 |   |   |                  |       |        |                          |           | this ends my voyage for                  |                   |
| 2                                                                                                                 |   |   |                  |       |        |                          |           | this time to Nushogak                    |                   |
| 3                                                                                                                 |   |   |                  |       |        |                          |           |                                          |                   |
| 4                                                                                                                 |   |   |                  |       |        |                          |           |                                          |                   |
| 5                                                                                                                 |   |   |                  |       |        |                          |           |                                          |                   |
| 6                                                                                                                 |   |   |                  |       |        |                          |           |                                          |                   |
| 7                                                                                                                 |   |   |                  |       |        |                          |           |                                          |                   |
| 8                                                                                                                 |   |   |                  |       |        |                          |           |                                          |                   |
| 9                                                                                                                 |   |   |                  |       |        |                          |           |                                          |                   |
| 10                                                                                                                |   |   |                  |       |        |                          |           |                                          |                   |
| 11                                                                                                                |   |   |                  |       |        |                          |           |                                          |                   |
| 12                                                                                                                |   |   |                  |       |        |                          |           |                                          |                   |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |   |   |                  |       |        |                          |           |                                          |                   |

| H                                                                                                                 | K | F | COURSES | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer | REMARKS | day of |
|-------------------------------------------------------------------------------------------------------------------|---|---|---------|-------|--------|--------------------------|-----------|---------|--------|
| 1                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 2                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 3                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 4                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 5                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 6                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 7                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 8                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 9                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 10                                                                                                                |   |   |         |       |        |                          |           |         |        |
| 11                                                                                                                |   |   |         |       |        |                          |           |         |        |
| 12                                                                                                                |   |   |         |       |        |                          |           |         |        |
| 1                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 2                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 3                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 4                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 5                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 6                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 7                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 8                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 9                                                                                                                 |   |   |         |       |        |                          |           |         |        |
| 10                                                                                                                |   |   |         |       |        |                          |           |         |        |
| 11                                                                                                                |   |   |         |       |        |                          |           |         |        |
| 12                                                                                                                |   |   |         |       |        |                          |           |         |        |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |   |   |         |       |        |                          |           |         |        |

| H                                                                                                                 | K    | F  | COURSES       | WINDS | LEEWAY   | Thermometer<br>Air Water | Barometer | REMARKS                                 | day of                   |
|-------------------------------------------------------------------------------------------------------------------|------|----|---------------|-------|----------|--------------------------|-----------|-----------------------------------------|--------------------------|
| 1                                                                                                                 |      |    |               |       |          |                          |           | at 12:30 pm Steamer Nushogak            | Wednesday August 16 1911 |
| 2                                                                                                                 |      |    |               |       |          |                          |           | Came alongside                          |                          |
| 3                                                                                                                 |      |    |               |       |          |                          |           | at 3:30 pm Barded the Kaiser            |                          |
| 4                                                                                                                 |      |    |               |       |          |                          |           | from S.S. Nushogak have anchor          |                          |
| 5                                                                                                                 | 8:20 | 44 |               |       |          |                          |           | and proceeded on our voyage             |                          |
| 6                                                                                                                 |      |    | S E x S       | S.W   | 1/2      |                          |           | to San Francisco at 4:30 sat the        |                          |
| 7                                                                                                                 |      |    |               |       |          |                          |           | for and aft sails at 5:30 sat the       |                          |
| 8                                                                                                                 |      |    | S E 1/4 S     | SW    | 1/2      |                          |           | square sails at 5:30 sat the            |                          |
| 9                                                                                                                 |      |    |               |       |          |                          |           | Kaiser a moderate Wind from             |                          |
| 10                                                                                                                |      |    |               |       |          |                          |           | SW. and Char ships left 9 ft            |                          |
| 11                                                                                                                |      |    |               |       |          |                          |           | apt and 18 ft 4 inches for              |                          |
| 12                                                                                                                | 24   |    | S 2 E         | WSW   | 1/2      |                          |           | lunches served on the deck              |                          |
| 1                                                                                                                 |      |    |               |       |          |                          |           | ships came S.E. E. Varied all in well   |                          |
| 2                                                                                                                 |      |    |               |       |          |                          |           | at 6 pm Lights pumps and Locks          |                          |
| 3                                                                                                                 |      |    |               |       |          |                          |           | at the Log out                          |                          |
| 4                                                                                                                 | 16   |    | S 1/2 E       | SW    | 2        |                          |           | at 8 pm started Lights sails and        |                          |
| 5                                                                                                                 |      |    |               |       |          |                          |           | for the gallant sail Wind freshening    |                          |
| 6                                                                                                                 |      |    |               |       |          |                          |           | from S.W. foggy foghorn at stand        |                          |
| 7                                                                                                                 |      |    |               |       |          |                          |           | at 12 pm Wind moderate haze and         |                          |
| 8                                                                                                                 | 14   |    | S S E         | SW    | 1/2      |                          |           | foggy at entrance soundings taken       |                          |
| 9                                                                                                                 |      |    |               |       |          |                          |           | away from 18 to 20 fathoms gray         |                          |
| 10                                                                                                                |      |    |               |       |          |                          |           | sand black sparks at 4 am sat           |                          |
| 11                                                                                                                |      |    |               |       |          |                          |           | all light sails Wind Light haze at noon |                          |
| 12                                                                                                                | 6    |    | S E x S 1/2 S | SW    | 1/2      |                          |           | at 11 am took ship soundings 11 fathoms |                          |
|                                                                                                                   |      |    |               |       |          |                          |           | foggy stand off when foghorn stand      |                          |
|                                                                                                                   |      |    |               |       |          |                          |           | also ships sails                        |                          |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |      |    |               |       |          |                          |           |                                         |                          |
|                                                                                                                   |      |    | S 40° E       |       | 81 miles | 1° 20'                   | 8'        | S 70° 15'                               |                          |
|                                                                                                                   |      |    |               |       |          |                          |           | 180° E 00° 9' E 158° 25'                |                          |

| H                                                                                                                 | K  | F | COURSES   | WINDS | LEEWAY | Thermometer<br>Air Water | Barometer   | REMARKS                                | day of                  |
|-------------------------------------------------------------------------------------------------------------------|----|---|-----------|-------|--------|--------------------------|-------------|----------------------------------------|-------------------------|
| 1                                                                                                                 |    |   |           |       |        |                          |             | at 4 pm foggy and Light Wind           | Thursday August 17 1911 |
| 2                                                                                                                 |    |   |           |       |        |                          |             | from SW foghorn and Locks at           |                         |
| 3                                                                                                                 |    |   |           |       |        |                          |             | the soundings taken at present         |                         |
| 4                                                                                                                 | 26 |   | NW 1/2 W  | S.W   | 1/2    |                          |             | away from 20 to 26 fathoms             |                         |
| 5                                                                                                                 |    |   |           |       |        |                          |             | gray sand 1/40 took ship               |                         |
| 6                                                                                                                 |    |   |           |       |        |                          |             | at 6 pm Light stand at the             |                         |
| 7                                                                                                                 |    |   |           |       |        |                          |             |                                        |                         |
| 8                                                                                                                 | 20 |   | S E 1/2 S | S.W   | 1/2    |                          |             | at 8 pm still foggy Wind moderate      |                         |
| 9                                                                                                                 |    |   |           |       |        |                          |             | foghorn and Locks at stand at the      |                         |
| 10                                                                                                                | 8  |   | S E x S   | SW    | 1/2    |                          |             | soundings 22 fathoms gray sand         |                         |
| 11                                                                                                                |    |   |           |       |        |                          |             | ships head S E 1/2 S                   |                         |
| 12                                                                                                                | 10 |   | NW 1/2 W  | S.W   | 1/2    |                          |             |                                        |                         |
| 1                                                                                                                 |    |   |           |       |        |                          |             | at 10 pm took ship Wind moderate       |                         |
| 2                                                                                                                 |    |   |           |       |        |                          |             | haze and foggy foghorn stand at the    |                         |
| 3                                                                                                                 |    |   |           |       |        |                          |             |                                        |                         |
| 4                                                                                                                 | 24 |   | NW 1/2 W  | S.W   | 1/2    |                          |             | at 12 pm still moderate Wind and       |                         |
| 5                                                                                                                 |    |   |           |       |        |                          |             | haze Lights and Locks at stand         |                         |
| 6                                                                                                                 |    |   |           |       |        |                          |             |                                        |                         |
| 7                                                                                                                 |    |   |           |       |        |                          |             | at 4 am took ship stand in             |                         |
| 8                                                                                                                 | 26 |   | S S E     | S.W   | 1/2    |                          |             | for at entrance fishing                |                         |
| 9                                                                                                                 | 7  |   | S S E     | S.W   | 1/2    |                          |             | at 8 am a fish Breeze from S.W         |                         |
| 10                                                                                                                |    |   |           |       |        |                          |             | haze ships Duties stand at the         |                         |
| 11                                                                                                                |    |   |           |       |        |                          |             | at 9 am took ship soundings 26         |                         |
| 12                                                                                                                | 21 |   | VNW       | S.W   | 1/2    |                          |             | fathoms S.W                            |                         |
|                                                                                                                   |    |   |           |       |        |                          |             | at noon 05 at moderate Wind and haze   |                         |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |   |           |       |        |                          |             |                                        |                         |
|                                                                                                                   |    |   | V 70° W   |       | 28     | 9' N                     | 26° 45' 05' | S 7° 21' N 18° E 48° 21' N 15° 00' 15' |                         |

Journal from Bristol Bay Alaska towards San Francisco

| H                                                                                                                 | K  | F | COURSES | WINDS | LEEWAY | Thermometer |  | Barometer | REMARKS                                                                                               | H                                                                                                                 | K  | F | COURSES      | WINDS | LEEWAY | Thermometer |  | Barometer | REMARKS                                                                                     |
|-------------------------------------------------------------------------------------------------------------------|----|---|---------|-------|--------|-------------|--|-----------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----|---|--------------|-------|--------|-------------|--|-----------|---------------------------------------------------------------------------------------------|
| Friday 18 day of August 1911                                                                                      |    |   |         |       |        |             |  |           |                                                                                                       | Sunday 20 day of August 1911                                                                                      |    |   |              |       |        |             |  |           |                                                                                             |
| 1                                                                                                                 |    |   |         |       |        |             |  |           | at 2 Pm amadrast Briase from S.W. and here tackt ship                                                 | 1                                                                                                                 |    |   |              |       |        |             |  |           | at 4 Pm amadrast Briase from NW and Chare ships head S.W.                                   |
| 2                                                                                                                 | 14 |   | S x E   | SW    | 1/2    |             |  |           | at 4 Pm still Wind mackrat                                                                            | 2                                                                                                                 |    |   |              |       |        |             |  |           |                                                                                             |
| 3                                                                                                                 |    |   |         |       |        |             |  |           | and Claude With Light Rayer                                                                           | 3                                                                                                                 |    |   |              |       |        |             |  |           | at 6 Pm Lights pumps and Lockout standat tu also ships Dutis take Barbery abiane            |
| 4                                                                                                                 | 7  |   | NW x NW | S.W   | 1/2    |             |  |           | at 6 Pm pumps Lights and Lockout standat tu                                                           | 4                                                                                                                 | 26 |   | S W          | NW    | -      |             |  |           | at 8 Pm Wind Blowing and Very Light scatch Cap Bare Ex V. W. W. Lights lockout standat tu   |
| 5                                                                                                                 |    |   |         |       |        |             |  |           | at 8 Pm soundings 32 fatham g r s                                                                     | 5                                                                                                                 |    |   |              |       |        |             |  |           |                                                                                             |
| 6                                                                                                                 |    |   |         |       |        |             |  |           | at 9 Pm tackt ship stand aut Wind Very Light                                                          | 6                                                                                                                 |    |   |              |       |        |             |  |           | at 12 am Light Wind large foggy                                                             |
| 7                                                                                                                 |    |   |         |       |        |             |  |           | at 12 Pm Calme Claude chising                                                                         | 7                                                                                                                 |    |   |              |       |        |             |  |           | at 1 am scatch Cap Bare Dis off 4 miles Light Vanhel Wind from the Westrol                  |
| 8                                                                                                                 | 15 |   | SE x S  | SW    | 1/2    |             |  |           | at 4 Pm Calme and Claude ships head W.S.W                                                             | 8                                                                                                                 | 25 |   | S.E.         | N.E.  | -      |             |  |           | at 4 am still a light Wind from NW. Charing up                                              |
| 9                                                                                                                 | 4  |   | NW x W  | SW    | 1/2    |             |  |           | at 8 am still Calm and Chare Ob standat tu also ship Dutis                                            | 9                                                                                                                 |    |   |              |       |        |             |  |           | at 8 am Wind pushing from NE. Claude Secard anchors on the far barharas fish tackit sandt   |
| 10                                                                                                                |    |   |         |       |        |             |  |           | at 12 am Obs standat tu Light Wind from N.W. Chare pushing ships Dutis standat tu from noon till noon | 10                                                                                                                |    |   |              |       |        |             |  |           | Mgamack & Bare Wx V. W. and Scatch Cap Bare V. W. W. Dis off Mgamack 24 miles ships head SE |
| 11                                                                                                                |    |   |         |       |        |             |  |           | 3 Days Out.                                                                                           | 11                                                                                                                |    |   |              |       |        |             |  |           | at 12 a strong Briase from NE. storm light sails and gallant sails Claude                   |
| 12                                                                                                                | 3  |   | SW      | NW    |        |             |  |           |                                                                                                       | 12                                                                                                                | 38 |   | SE x E 1/2 E | N.E.  | 1/2    |             |  |           |                                                                                             |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |   |         |       |        |             |  |           |                                                                                                       | Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |   |              |       |        |             |  |           |                                                                                             |
| Antal Diz 8° 2' 6' 0" 57° 10' 57° 11' 18° E 11' W 159° 24' 159° 26'                                               |    |   |         |       |        |             |  |           |                                                                                                       | S 49° E 124 miles 1° 21' S 67' E 53° 40' N 18° E 1° 55' E 162° 18'                                                |    |   |              |       |        |             |  |           |                                                                                             |

| H                                                                                                                 | K  | F | COURSES      | WINDS | LEEWAY | Thermometer |  | Barometer | REMARKS                                                                                   | H                                                                                                                 | K  | F | COURSES | WINDS | LEEWAY | Thermometer |  | Barometer | REMARKS                                                                       |
|-------------------------------------------------------------------------------------------------------------------|----|---|--------------|-------|--------|-------------|--|-----------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----|---|---------|-------|--------|-------------|--|-----------|-------------------------------------------------------------------------------|
| Saturday 19 day of August 1911                                                                                    |    |   |              |       |        |             |  |           |                                                                                           | Monday 21 day of August 1911                                                                                      |    |   |         |       |        |             |  |           |                                                                               |
| 1                                                                                                                 |    |   |              |       |        |             |  |           | at 4 Pm amadrast Briase from NW. and Chare ships head SW x S 3/4 S ships Dutis standat tu | 1                                                                                                                 |    |   |         |       |        |             |  |           | at 4 Pm a strong Briase from N.E. and Chare ships Dutis standat tu            |
| 2                                                                                                                 |    |   |              |       |        |             |  |           | at 6 Pm pumps Lights and Lockout standat tu                                               | 2                                                                                                                 |    |   |         |       |        |             |  |           | at 6 Pm pumps Lights and Lockout standat tu                                   |
| 3                                                                                                                 |    |   |              |       |        |             |  |           | at 8 Pm still a strong Briase from NW. and Chare Lights and Lockout standat tu            | 3                                                                                                                 |    |   |         |       |        |             |  |           | at 8 Pm still a strong Briase from N.E. Chare ships head Ex S. Course         |
| 4                                                                                                                 | 24 |   | SW x S 3/4 S | NW    | -      |             |  |           | at 12 Pm still amadrast Briase from NW. Chare ships head SW x S 3/4 S                     | 4                                                                                                                 | 29 |   | E.S.E   | N.W.W | 1/2    |             |  | 29.910    | at 12 Pm sat the main and fore the gallant sails Wind mackrat                 |
| 5                                                                                                                 |    |   |              |       |        |             |  |           | at 1 am - Soundings taken from 52 fathams g r s                                           | 5                                                                                                                 |    |   |         |       |        |             |  |           | at 1 am sat main sails and all Light sails Wind mackrat and Chare sia mackrat |
| 6                                                                                                                 |    |   |              |       |        |             |  |           | at 4 am still a modcrat Briase from NW. Chare                                             | 6                                                                                                                 |    |   |         |       |        |             |  |           | at 4 am amadrast Briase from NE amadrast sia and Chare                        |
| 7                                                                                                                 |    |   |              |       |        |             |  |           | at 6 am Amak island abien ships Dutis standat tu                                          | 7                                                                                                                 |    |   |         |       |        |             |  |           | at 8 am Wind pushing from ENE amadrast sia and Chare ships Dutis standat tu   |
| 8                                                                                                                 |    |   |              |       |        |             |  |           | at 12 am obs standat alpa ships Dutis from noon till noon                                 | 8                                                                                                                 | 30 |   | S E     | NNE   | 1/2    |             |  | 29.810    | at 12 am a light Briase from NE                                               |
| 9                                                                                                                 |    |   |              |       |        |             |  |           | 4 Days out                                                                                | 9                                                                                                                 |    |   |         |       |        |             |  |           |                                                                               |
| 10                                                                                                                |    |   |              |       |        |             |  |           |                                                                                           | 10                                                                                                                |    |   |         |       |        |             |  |           |                                                                               |
| 11                                                                                                                |    |   |              |       |        |             |  |           |                                                                                           | 11                                                                                                                |    |   |         |       |        |             |  |           |                                                                               |
| 12                                                                                                                | 35 |   | SW x S       | NW    | -      |             |  |           |                                                                                           | 12                                                                                                                | 27 |   | SE x E  | N.E.  | 1/2    |             |  |           |                                                                               |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |   |              |       |        |             |  |           |                                                                                           | Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |    |   |         |       |        |             |  |           |                                                                               |
| S 50° W 205 2° 15' S 160' 55° 0' 55° 2' 18° E 4° 47' 164° 13'                                                     |    |   |              |       |        |             |  |           |                                                                                           | S 31° E 144 miles 2° 3' 75' 57° 26' 57° 10' 18° E 28' 161° 25' 161° 27'                                           |    |   |         |       |        |             |  |           |                                                                               |

## Journal from Bristol Bay Alaska towards San Francisco

## Journal from Bristol Bay Alaska towards San Francisco

| H K F                         |          |               |           |              |             |           |               |              |                                         | H K F                          |           |               |           |              |             |           |               |                                  |             |
|-------------------------------|----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|-----------------------------------------|--------------------------------|-----------|---------------|-----------|--------------|-------------|-----------|---------------|----------------------------------|-------------|
| COURSES                       |          |               | WINDS     | LEEWAY       | Thermometer |           | Barometer     | REMARKS      | COURSES                                 |                                |           | WINDS         | LEEWAY    | Thermometer  |             | Barometer | REMARKS       |                                  |             |
|                               |          |               |           |              | Air         | Water     |               |              |                                         |                                |           |               |           | Air          | Water       |           |               |                                  |             |
| Tuesday 22 day of August 1911 |          |               |           |              |             |           |               |              |                                         | Thursday 24 day of August 1911 |           |               |           |              |             |           |               |                                  |             |
| 1                             |          |               |           |              |             |           |               |              | at 4 Pm Light Wind and clear            | 1                              |           |               |           |              |             |           |               | at 4 Pm Light Wind from          |             |
| 2                             |          |               |           |              |             |           |               |              | ships head S E ships Duties             | 2                              |           |               |           |              |             |           |               | SSW clear a hawk sea from        |             |
| 3                             |          |               |           |              |             |           |               |              | atand at the                            | 3                              |           |               |           |              |             |           |               | SW ships Duties atand at the     |             |
| 4                             | 23       | E S E         | NE        | 1/2          |             |           | 29.8/10       |              |                                         | 4                              | 27        | E x S         | SSW       | 1/2          |             | 30 3/10   |               | at 6 Pm Lights pumps 6 inches    |             |
| 5                             |          |               |           |              |             |           |               |              | at 6 Pm pumps Lights and                | 5                              |           |               |           |              |             |           |               | and Lockhant atand at the        |             |
| 6                             |          |               |           |              |             |           |               |              | Lockhant atand at the                   | 6                              |           |               |           |              |             |           |               | at 8 Pm still a light Wind from  |             |
| 7                             |          |               |           |              |             |           |               |              |                                         | 7                              |           |               |           |              |             |           |               | SSW S.W. via Clouds              |             |
| 8                             | 18       | E S E         | NE        | 1/2          |             |           |               |              | at 8 Pm Very Light Wind from            | 8                              | 25        | E 1/4 S       | SW        | 1/2          |             |           |               | at 12 Pm still a light Wind from |             |
| 9                             |          |               |           |              |             |           |               |              | E N E With light Rainy Calm             | 9                              |           |               |           |              |             |           |               | S.S.W Clouds sea moderating      |             |
| 10                            |          |               |           |              |             |           |               |              | at times                                | 10                             |           |               |           |              |             |           |               | light and Lockhant atand at the  |             |
| 11                            |          |               |           |              |             |           |               |              |                                         | 11                             |           |               |           |              |             |           |               |                                  |             |
| 12                            | 5        | S E           | E N E     | 1/2          |             |           | 29.8/10       |              | at 12 Pm still Calm With Light          | 12                             | 24        | E 3/4 S       | S.S.W     | 1/4          |             |           |               | at 4 am still a light Breeze     |             |
| 1                             |          |               |           |              |             |           |               |              | Rainy sea moderat Lights and            | 1                              |           |               |           |              |             |           |               | from S S W Clouds                |             |
| 2                             |          |               |           |              |             |           |               |              | Lockhant atand at the                   | 2                              |           |               |           |              |             |           |               |                                  |             |
| 3                             |          |               |           |              |             |           |               |              | at 4 am still Calm and hazy             | 3                              |           |               |           |              |             |           |               |                                  |             |
| 4                             |          |               |           |              |             |           |               |              |                                         | 4                              | 20        | E 3/4 S       | S.S.W     | 1/4          |             |           |               | at 8 am Light Wind from S.S.W    |             |
| 5                             |          |               |           |              |             |           |               |              | at 8 am a light Wind from               | 5                              |           |               |           |              |             |           |               | sea moderat Clouds ships Duties  |             |
| 6                             |          |               |           |              |             |           |               |              | S E Cloud ships head N.E.               | 6                              |           |               |           |              |             |           |               | atand at the a bark down in      |             |
| 7                             |          |               |           |              |             |           |               |              | at 12 am still Cloud and Wind           | 7                              |           |               |           |              |             |           |               | the Part Breeze un known         |             |
| 8                             | 5        | N E x E       | S E       | 1/2          |             |           |               |              | frisking from S E ships Duties          | 8                              | 11        | E 1/4 S       | S.S.W     | 1/4          |             |           |               | at 12 am still a very light Wind |             |
| 9                             |          |               |           |              |             |           |               |              | atand at the                            | 9                              |           |               |           |              |             |           |               | from S.S.W sea moderat and there |             |
| 10                            |          |               |           |              |             |           |               |              | also in spackled White muns             | 10                             |           |               |           |              |             |           |               | ships Duties atand at the        |             |
| 11                            |          |               |           |              |             |           |               |              | and Oriental quarters ships             | 11                             |           |               |           |              |             |           |               | also in spackled White muns and  |             |
| 12                            | 19       | N E x N       | E S E     | 1/2          |             |           |               |              | Duties atand at the from noon till noon | 12                             | 9         | E 3/4 S       | SSW       | 1/4          |             |           |               | Oriental quarters                |             |
| 7 Days Out                    |          |               |           |              |             |           |               |              |                                         | 9 Days Out                     |           |               |           |              |             |           |               |                                  |             |
| Course                        | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                             | Course                         | Distance  | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R.                     | Lon. by Ob. |
| S 73° E                       | 87 miles | 14° S         | 54° E     | 50° 56'      | Clouds      | 18° E     | 1° 26'        | 169° 2'      | Clouds                                  | S 64° E                        | 116 miles | 50° S         | 104° E    | 49° 00'      | 48° 57'     | 20° E     | 2° 39' E      | 154° 27'                         |             |

| H K F                           |           |               |           |              |             |           |               |              |                                  | H K F                        |          |               |           |              |             |           |               |                                  |             |
|---------------------------------|-----------|---------------|-----------|--------------|-------------|-----------|---------------|--------------|----------------------------------|------------------------------|----------|---------------|-----------|--------------|-------------|-----------|---------------|----------------------------------|-------------|
| COURSES                         |           |               | WINDS     | LEEWAY       | Thermometer |           | Barometer     | REMARKS      | COURSES                          |                              |          | WINDS         | LEEWAY    | Thermometer  |             | Barometer | REMARKS       |                                  |             |
|                                 |           |               |           |              | Air         | Water     |               |              |                                  |                              |          |               |           | Air          | Water       |           |               |                                  |             |
| Wednesday 23 day of August 1911 |           |               |           |              |             |           |               |              |                                  | Friday 25 day of August 1911 |          |               |           |              |             |           |               |                                  |             |
| 1                               |           |               |           |              |             |           |               |              | at 4 Pm Light Wind               | 1                            |          |               |           |              |             |           |               | at 4 Pm a very light Wind from   |             |
| 2                               |           |               |           |              |             |           |               |              | frisking from N E With Rain      | 2                            |          |               |           |              |             |           |               | SSW sea moderating and there     |             |
| 3                               |           |               |           |              |             |           |               |              | stowed Light Sails               | 3                            |          |               |           |              |             |           |               | ships Duties atand at the        |             |
| 4                               | 20        | N N E         | E         | 1/2          |             |           | 29 3/10       |              | at 6 Pm pumps lights and         | 4                            | 11       | E 1/2 S       | SSW       | 1/4          |             | 30 6/10   |               | at 6 Pm lights pumps and         |             |
| 5                               |           |               |           |              |             |           |               |              | Lockhant atand at the Wind fresh | 5                            |          |               |           |              |             |           |               | Lockhant atand at the            |             |
| 6                               |           |               |           |              |             |           |               |              | stowed far and main gellant sail | 6                            |          |               |           |              |             |           |               | at 8 Pm a light Wind from W      |             |
| 7                               |           |               |           |              |             |           |               |              | lift sparker                     | 7                            |          |               |           |              |             |           |               | sea getting smooth Clouds        |             |
| 8                               | 29        | S E x S       | E S E     | 1/2          |             |           | 29 3/10       |              | at 8 Pm Wind moderat Belling     | 8                            | 10       | E 1/2 S       | W         |              |             |           |               | at 12 Pm still a very light Wind |             |
| 9                               |           |               |           |              |             |           |               |              | toward E S E took it ship hazy   | 9                            |          |               |           |              |             |           |               | from West Clouds sea moderat     |             |
| 10                              |           |               |           |              |             |           |               |              | With Light Rain                  | 10                           |          |               |           |              |             |           |               |                                  |             |
| 11                              |           |               |           |              |             |           |               |              | at 12 stowed far and main        | 11                           |          |               |           |              |             |           |               |                                  |             |
| 12                              | 17        | East          | S.S.W     | 1/2          |             |           |               |              | Upper topsails main sail it      | 12                           | 5        | E x S         | W         |              |             |           |               | at 4 am light Breeze from        |             |
| 1                               |           |               |           |              |             |           |               |              | is Blowing hard from S.S.W and   | 1                            |          |               |           |              |             |           |               | SW Calm at times sea moderat     |             |
| 2                               |           |               |           |              |             |           |               |              | a hawk sea Running from          | 2                            |          |               |           |              |             |           |               | Lights and Lockhant atand at the |             |
| 3                               |           |               |           |              |             |           |               |              | S.S.W Rain                       | 3                            |          |               |           |              |             |           |               |                                  |             |
| 4                               | 23        | E x S         | SW        | —            |             |           |               |              | at 4 am Wind moderat satt        | 4                            | 9        | E 1/2 S       | W         |              |             |           |               | at 8 am still very light Wind    |             |
| 5                               |           |               |           |              |             |           |               |              | far and main upper topsails      | 5                            |          |               |           |              |             |           |               | from S.W. belling toward S.O.S   |             |
| 6                               |           |               |           |              |             |           |               |              | main gellant sail stay sail      | 6                            |          |               |           |              |             |           |               | atand at the S.S. ships Duties   |             |
| 7                               |           |               |           |              |             |           |               |              | sparker at 8 am moderat Brie     | 7                            |          |               |           |              |             |           |               |                                  |             |
| 8                               | 25        | E x S         | SW        | —            |             |           |               |              | from S.W. a hawk sea satt far    | 8                            | 8        | E 1/2 S       | SSW       |              |             |           |               | at 12 am Ob atand at the Wind    |             |
| 9                               |           |               |           |              |             |           |               |              | ch gellant sail Calm and after   | 9                            |          |               |           |              |             |           |               | light and there ships Duties     |             |
| 10                              |           |               |           |              |             |           |               |              | satt the Bayels and full sparker | 10                           |          |               |           |              |             |           |               | in spackled White muns and       |             |
| 11                              |           |               |           |              |             |           |               |              | at noon Ob atand at the moderat  | 11                           |          |               |           |              |             |           |               | Oriental quarters day            |             |
| 12                              | 28        | E x S         | S W       | —            |             |           | 29 3/10       |              | Breeze from S.W. a hawk sea from | 12                           | 8        | E 1/2 S       | SSW       |              |             | 30 6/10   |               | 10 Days Out                      |             |
| 8 Days Out                      |           |               |           |              |             |           |               |              |                                  |                              |          |               |           |              |             |           |               |                                  |             |
| Course                          | Distance  | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                      | Course                       | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D.R.                     | Lon. by Ob. |
| S 67° E                         | 117 miles | 45° S         | 107° E    | 50° 7'       | 49° 57'     | 18° E     | 2° 47' E      | 157° 15'     | 157° 06'                         | S 66° E                      | 51 miles | 20° S         | 46° E     | 48° 37'      | 48° 26'     | 20° E     | 1° 10' E      | 153° 17'                         | 152° 42'    |

## Journal from Nushagak Alaska

towards San Francisco

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towards San Francisco

| H K F                          |           |               | COURSES   | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS                             | H K F                        |          |               | COURSES   | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS                              |
|--------------------------------|-----------|---------------|-----------|--------------|-------------|-------------|---------------|--------------|-------------------------------------|------------------------------|----------|---------------|-----------|--------------|-------------|-------------|---------------|--------------|--------------------------------------|
|                                |           |               |           |              |             | Air         | Water         |              |                                     |                              |          |               |           |              |             | Air         | Water         |              |                                      |
| Saturday 26 day of August 1911 |           |               |           |              |             |             |               |              |                                     | Monday 28 day of August 1911 |          |               |           |              |             |             |               |              |                                      |
| 1                              |           |               |           |              |             |             |               |              | at 4 Pm a variable light wind       | 1                            |          |               |           |              |             |             |               |              | at 4 Pm still a strong Breeze        |
| 2                              |           |               |           |              |             |             |               |              | from South sea smooth and           | 2                            |          |               |           |              |             |             |               |              | from South with heavy Rain killing   |
| 3                              |           |               |           |              |             |             |               |              | clear ships duty at anchor          | 3                            |          |               |           |              |             |             |               |              | sea moderate ships duty at anchor    |
| 4                              | 13        |               | E 1/2 S   | South        | 1/4         |             |               |              | at 6 Pm pumps Lights and look       | 4                            | 39       |               | Ex S      | South        | 1/2         |             |               |              | at 6 Pm Lights pumps and             |
| 5                              |           |               |           |              |             |             |               |              | at anchor                           | 5                            |          |               |           |              |             |             |               |              | Lookhant at anchor                   |
| 6                              |           |               |           |              |             |             |               |              |                                     | 6                            |          |               |           |              |             |             |               |              | at 8 Pm still a strong Breeze        |
| 7                              |           |               |           |              |             |             |               |              | at 8 Pm still a variable light wind | 7                            |          |               |           |              |             |             |               |              | from South with Rain sea             |
| 8                              | 5         |               | East      | SSE          | 1/4         |             |               |              | from South clouds lights and look   | 8                            | 43       |               | Ex S      | South        | 1/2         |             |               |              | Moderate                             |
| 9                              |           |               |           |              |             |             |               |              | at anchor                           | 9                            |          |               |           |              |             |             |               |              | at 12 Pm still the same a strong     |
| 10                             |           |               |           |              |             |             |               |              |                                     | 10                           |          |               |           |              |             |             |               |              | Breeze and Rain sea moderate         |
| 11                             |           |               |           |              |             |             |               |              | at 12 Pm still a light Breeze       | 11                           |          |               |           |              |             |             |               |              | Lights and Lookhant at anchor        |
| 12                             | 12        |               | NE 1/2 E  | SE           | 1/2         |             |               |              | SE clouds sea smooth                | 12                           | 42       |               | Ex S      | South        | 1/2         |             |               |              |                                      |
| 1                              |           |               |           |              |             |             |               |              |                                     | 1                            |          |               |           |              |             |             |               |              | at 4 Am a strong Wind from           |
| 2                              |           |               |           |              |             |             |               |              | at 4 Am Wind freshening from        | 2                            |          |               |           |              |             |             |               |              | South with Rain at times sea         |
| 3                              |           |               |           |              |             |             |               |              | SE with light Rain haze at          | 3                            |          |               |           |              |             |             |               |              | smooth Lights and Lookhant at anchor |
| 4                              | 20        |               | NE 1/2 E  | SE           | 1/2         |             |               |              | times lights and Lookhant at anchor | 4                            | 42       |               | Ex S      | South        | 1/2         |             |               |              |                                      |
| 5                              |           |               |           |              |             |             |               |              |                                     | 5                            |          |               |           |              |             |             |               |              | at 8 Am still a strong Breeze        |
| 6                              |           |               |           |              |             |             |               |              | at 8 Am Wind still freshening from  | 6                            |          |               |           |              |             |             |               |              | from South haze at times             |
| 7                              |           |               |           |              |             |             |               |              | SE haze sea smooth stowed           | 7                            |          |               |           |              |             |             |               |              | sea smooth ships duty at anchor      |
| 8                              | 27        |               | NE 1/2 E  | SE           | 1/2         |             |               |              | goft top sail and m2 gal stay on    | 8                            | 40       |               | Ex S      | South        | 1/2         |             |               |              | at 12 Pm still a moderate Breeze     |
| 9                              |           |               |           |              |             |             |               |              | at 10 Am stowed Rayels and gaff     | 9                            |          |               |           |              |             |             |               |              | from South clearing up sea           |
| 10                             |           |               |           |              |             |             |               |              | sails left speaker                  | 10                           |          |               |           |              |             |             |               |              | smooth white mists and oriental      |
| 11                             |           |               |           |              |             |             |               |              | at 12 a strong Breeze from SE       | 11                           |          |               |           |              |             |             |               |              | quarters inspected also ships        |
| 12                             | 33        |               | NE 1/2 E  | SE           | 1/4         | Bar 30 1/2  |               |              | with heavy Rain sea smooth haze     | 12                           | 37       |               | Ex S      | South        | 1/2         |             |               |              | Duty from noon till noon             |
| 11 Days out                    |           |               |           |              |             |             |               |              |                                     | 13 Days out                  |          |               |           |              |             |             |               |              |                                      |
| Course                         | Distance  | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                         | Course                       | Distance | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                          |
| N 77° E                        | 107 miles | 24'           | 103 E     | 48° 50'      |             | 20° E       | 2° 34'        | 150° 8'      |                                     | 69 E                         | 245      | 1° 27'        | 226 E     | 46° 20'      | 45° 02'     | 20° E       | 5° 32'        | 138° 06'     |                                      |

| H K F                        |           |               | COURSES   | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS                          | H K F                         |           |               | COURSES    | WINDS        | LEEWAY      | Thermometer |               | Barometer    | REMARKS                         |
|------------------------------|-----------|---------------|-----------|--------------|-------------|-------------|---------------|--------------|----------------------------------|-------------------------------|-----------|---------------|------------|--------------|-------------|-------------|---------------|--------------|---------------------------------|
|                              |           |               |           |              |             | Air         | Water         |              |                                  |                               |           |               |            |              |             | Air         | Water         |              |                                 |
| Sunday 27 day of August 1911 |           |               |           |              |             |             |               |              |                                  | Tuesday 29 day of August 1911 |           |               |            |              |             |             |               |              |                                 |
| 1                            |           |               |           |              |             |             |               |              | at 4 Pm still a strong Breeze    | 1                             |           |               |            |              |             |             |               |              | at 4 Pm Wind moderating still   |
| 2                            |           |               |           |              |             |             |               |              | from S.E. sea moderate with      | 2                             |           |               |            |              |             |             |               |              | a strong Breeze from South      |
| 3                            |           |               |           |              |             |             |               |              | Rain at times sea still main     | 3                             |           |               |            |              |             |             |               |              | sea smooth ships duty at anchor |
| 4                            | 27        |               | Ex N      | SE           | 1/2         |             |               |              | gallant sail                     | 4                             | 39        |               | Ex S 1/4 S | South        | 1/4         |             |               |              | at 6 Pm pumps 5 1/2 Lights and  |
| 5                            |           |               |           |              |             |             |               |              | at 6 Pm pumps 6 1/2 Lights       | 5                             |           |               |            |              |             |             |               |              | Lookhant at anchor              |
| 6                            |           |               |           |              |             |             |               |              | and Lookhant at anchor           | 6                             |           |               |            |              |             |             |               |              |                                 |
| 7                            |           |               |           |              |             |             |               |              | at 8 Pm still a moderate Breeze  | 7                             |           |               |            |              |             |             |               |              | at 8 Pm Wind getting lighter    |
| 8                            | 34        |               | Ex S      | S            | 1/2         |             |               |              | from S.E. with Rain at times     | 8                             | 34        |               | Ex S 1/4 S | South        | 1/4         |             |               |              | from South sea still smooth     |
| 9                            |           |               |           |              |             |             |               |              | sea still moderate Light and     | 9                             |           |               |            |              |             |             |               |              | Light and Lookhant at anchor    |
| 10                           |           |               |           |              |             |             |               |              | Lookhant at anchor               | 10                            |           |               |            |              |             |             |               |              |                                 |
| 11                           |           |               |           |              |             |             |               |              | at 12 Pm still a strong Wind     | 11                            |           |               |            |              |             |             |               |              | at 12 Pm still a moderate       |
| 12                           | 36        |               | E 1/2 S   | S            | 1/4         |             |               |              | from South stowed main gallant   | 12                            | 35        |               | Ex S 1/4 S | South        | 1/4         |             |               |              | Breeze from South sea smooth    |
| 1                            |           |               |           |              |             |             |               |              | and main sails flym full         | 1                             |           |               |            |              |             |             |               |              |                                 |
| 2                            |           |               |           |              |             |             |               |              | and staysail                     | 2                             |           |               |            |              |             |             |               |              |                                 |
| 3                            |           |               |           |              |             |             |               |              | at 4 Am Wind moderating          | 3                             |           |               |            |              |             |             |               |              | at 4 Am Wind getting lighter    |
| 4                            | 35        |               | E 1/2 S   | S            | 1/4         |             |               |              | sea moderate with Rain sea       | 4                             | 29        |               | Ex S 1/4 S | South        | 1/4         |             |               |              | from South sea smooth Light     |
| 5                            |           |               |           |              |             |             |               |              | the main sail                    | 5                             |           |               |            |              |             |             |               |              | and Lookhant at anchor          |
| 6                            |           |               |           |              |             |             |               |              | at 6 Am Unbent and Bent          | 6                             |           |               |            |              |             |             |               |              | at 8 Am Light Wind sea smooth   |
| 7                            |           |               |           |              |             |             |               |              | a rather main tall gallant sail  | 7                             |           |               |            |              |             |             |               |              | at anchor also ships duty in    |
| 8                            | 35        |               | E 1/2 S   | S            | 1/4         |             |               |              | and set it still a strong Breeze | 8                             | 24        |               | Ex S 1/4 S | South        | 1/4         |             |               |              | describing down running spars   |
| 9                            |           |               |           |              |             |             |               |              | from South with heavy Rain       | 9                             |           |               |            |              |             |             |               |              | and Dead air ships duty from    |
| 10                           |           |               |           |              |             |             |               |              | at 12 Am still a strong Breeze   | 10                            |           |               |            |              |             |             |               |              | noon till noon also white mists |
| 11                           |           |               |           |              |             |             |               |              | from South with heavy Rain sea   | 11                            |           |               |            |              |             |             |               |              | and oriental quarters inspected |
| 12                           | 39        |               | Ex S      | S            | 1/2         |             |               |              | moderate ships duty at anchor    | 12                            | 19        |               | Ex S 1/4 S | South        | 1/4         |             |               |              | 14 Days out                     |
| 12 Days out                  |           |               |           |              |             |             |               |              |                                  | 14 Days out                   |           |               |            |              |             |             |               |              |                                 |
| Course                       | Distance  | Diff. of Lat. | Departure | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                      | Course                        | Distance  | Diff. of Lat. | Departure  | Lat. by D.R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D.R. | Lon. by Ob.                     |
| S 72° E                      | 103 miles | 1° 12' 8"     | 194       | 47° 47'      |             | 20° E       | 4° 50'        | 145° 18'     |                                  | S 63° E                       | 179 miles | 1° 21'        | 159 E      | 44° 31'      | 44° 17'     | 20° E       | 3° 45'        | 134° 32'     |                                 |

Journal from *Nushagak Alaska* towards *San Francisco*

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| H                                                                                                                 | K         | F   | COURSES    | WINDS     | LEEWAY  | Thermometer<br>Air Water | Barometer | REMARKS                         | H                                                                                                                 | K         | F      | COURSES    | WINDS     | LEEWAY  | Thermometer<br>Air Water | Barometer | REMARKS                         |
|-------------------------------------------------------------------------------------------------------------------|-----------|-----|------------|-----------|---------|--------------------------|-----------|---------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------|--------|------------|-----------|---------|--------------------------|-----------|---------------------------------|
| Wednesday 31 <sup>st</sup> day of August 1911                                                                     |           |     |            |           |         |                          |           |                                 | Thursday 1 <sup>st</sup> day of September 1911                                                                    |           |        |            |           |         |                          |           |                                 |
| 1                                                                                                                 |           |     |            |           |         |                          |           | at 4 Pm alight Briar from       | 1                                                                                                                 |           |        |            |           |         |                          |           | at 4 Pm alight Briar from       |
| 2                                                                                                                 |           |     |            |           |         |                          |           | S.S.W. and Chare via smath      | 2                                                                                                                 |           |        |            |           |         |                          |           | N.W. via smath Chare ships      |
| 3                                                                                                                 |           |     |            |           |         |                          |           | ships Dutis atandat tu          | 3                                                                                                                 |           |        |            |           |         |                          |           | Dutis atandat tu                |
| 4                                                                                                                 | 23        |     | Ex S 1/4 S | S.S.W.    | 1/4     |                          |           | at 6 Pm pumps Lights and        | 4                                                                                                                 | 20        |        | Ex S 1/4 S | NW        | —       |                          |           | at 6 Pm pumps 7 Lights and      |
| 5                                                                                                                 |           |     |            |           |         |                          |           | Lookaut atandat tu              | 5                                                                                                                 |           |        |            |           |         |                          |           | Lookaut atandat tu              |
| 6                                                                                                                 |           |     |            |           |         |                          |           |                                 | 6                                                                                                                 |           |        |            |           |         |                          |           |                                 |
| 7                                                                                                                 |           |     |            |           |         |                          |           |                                 | 7                                                                                                                 |           |        |            |           |         |                          |           |                                 |
| 8                                                                                                                 | 20        |     | Ex S 1/2 S | S.S.W.    | 1/4     |                          |           | at 8 Pm still alight Briar      | 8                                                                                                                 | 20        |        | Ex S 1/4 S | NW        | —       |                          |           | at 8 Pm still alight Briar      |
| 9                                                                                                                 |           |     |            |           |         |                          |           | from S.W. Chare lights and      | 9                                                                                                                 |           |        |            |           |         |                          |           | from NW Cloud via smath         |
| 10                                                                                                                |           |     |            |           |         |                          |           | Lookaut atandat                 | 10                                                                                                                |           |        |            |           |         |                          |           | lights and Lookaut atandat      |
| 11                                                                                                                |           |     |            |           |         |                          |           |                                 | 11                                                                                                                |           |        |            |           |         |                          |           | tu                              |
| 12                                                                                                                | 20        |     | Ex S 1/2 S | S.W.      | 1/4     |                          |           | at 12 Pm still alight Briar     | 12                                                                                                                | 21        |        | Ex S 1/4 S | NW        | —       |                          |           | at 12 Pm still alight Wind from |
| 1                                                                                                                 |           |     |            |           |         |                          |           | from S.W. via smath ships       | 1                                                                                                                 |           |        |            |           |         |                          |           | NW Cloud via smath light and    |
| 2                                                                                                                 |           |     |            |           |         |                          |           | Dutis atandat                   | 2                                                                                                                 |           |        |            |           |         |                          |           | lookaut atandat tu              |
| 3                                                                                                                 |           |     |            |           |         |                          |           |                                 | 3                                                                                                                 |           |        |            |           |         |                          |           |                                 |
| 4                                                                                                                 | 18        |     | Ex S 1/2 S | S.W.      | 1/4     |                          |           | at 4 Am alight Briar from       | 4                                                                                                                 | 14        |        | Ex S 1/4 S | NW        | —       |                          |           | at 4 Am light Wind from NW      |
| 5                                                                                                                 |           |     |            |           |         |                          |           | S.W. via smath Lights and       | 5                                                                                                                 |           |        |            |           |         |                          |           | Cloud via smath                 |
| 6                                                                                                                 |           |     |            |           |         |                          |           | lookaut atandat tu              | 6                                                                                                                 |           |        |            |           |         |                          |           |                                 |
| 7                                                                                                                 |           |     |            |           |         |                          |           |                                 | 7                                                                                                                 |           |        |            |           |         |                          |           |                                 |
| 8                                                                                                                 | 16        |     | Ex S 1/2 S | SW        | 1/4     |                          |           | at 8 am still alight Briar      | 8                                                                                                                 | 14        |        | Ex S 1/4 S | NW        | —       |                          |           | at 6 Am started Charing ship    |
| 9                                                                                                                 |           |     |            |           |         |                          |           | from S.W. Cloud via smath       | 9                                                                                                                 |           |        |            |           |         |                          |           | at 8 am still light Wind and    |
| 10                                                                                                                |           |     |            |           |         |                          |           | ships Dutis atandat tu          | 10                                                                                                                |           |        |            |           |         |                          |           | Cloud via smath ships Dutis     |
| 11                                                                                                                |           |     |            |           |         |                          |           | at 12 am light Wind and Chare   | 11                                                                                                                |           |        |            |           |         |                          |           | atandat tu                      |
| 12                                                                                                                | 19        |     | Ex S 1/4 S | SW        | 1/4     |                          |           | via smath ships Dutis and Obs   | 12                                                                                                                | 14        |        | Ex S 1/4 S | NW        | —       |                          |           | at 12 Am Light Wind and Cloud   |
|                                                                                                                   |           |     |            |           |         |                          |           | atandat tu 15 Days Out          |                                                                                                                   |           |        |            |           |         |                          |           | via smath 17 Days Out           |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |           |     |            |           |         |                          |           |                                 | Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |           |        |            |           |         |                          |           |                                 |
| S 60° E                                                                                                           | 116 miles | 88' | 100 E      | 43° 17' N | 43° 04' | 20° E                    | 2° 14' E  | 132 15'                         | S 55° E                                                                                                           | 115       | 1° 05' | 94 E       | 40° 57'   | 20° E   | 2° 15' E                 | 128° 16'  |                                 |
| H                                                                                                                 | K         | F   | COURSES    | WINDS     | LEEWAY  | Thermometer<br>Air Water | Barometer | REMARKS                         | H                                                                                                                 | K         | F      | COURSES    | WINDS     | LEEWAY  | Thermometer<br>Air Water | Barometer | REMARKS                         |
| Tuesday 31 <sup>st</sup> day of August 1911                                                                       |           |     |            |           |         |                          |           |                                 | Saturday 2 <sup>nd</sup> day of September 1911                                                                    |           |        |            |           |         |                          |           |                                 |
| 1                                                                                                                 |           |     |            |           |         |                          |           | at 4 Pm light Wind from S.W.    | 1                                                                                                                 |           |        |            |           |         |                          |           | at 4 Pm alight Briar from       |
| 2                                                                                                                 |           |     |            |           |         |                          |           | Chare via smath ships Dutis     | 2                                                                                                                 |           |        |            |           |         |                          |           | Wst Chare via smath ships       |
| 3                                                                                                                 |           |     |            |           |         |                          |           | atandat tu                      | 3                                                                                                                 |           |        |            |           |         |                          |           | Dutis atandat tu                |
| 4                                                                                                                 | 19        |     | Ex S 1/4 S | SW        | 1/4     |                          |           | at 6 Pm Lights Pumps 6/2 and    | 4                                                                                                                 | 14        |        | Ex S 1/4 S | Wist      | —       |                          |           | at 6 Pm pumps 7 Lights and      |
| 5                                                                                                                 |           |     |            |           |         |                          |           | Lookaut atandat                 | 5                                                                                                                 |           |        |            |           |         |                          |           | lookaut atandat tu              |
| 6                                                                                                                 |           |     |            |           |         |                          |           |                                 | 6                                                                                                                 |           |        |            |           |         |                          |           |                                 |
| 7                                                                                                                 |           |     |            |           |         |                          |           |                                 | 7                                                                                                                 |           |        |            |           |         |                          |           |                                 |
| 8                                                                                                                 | 12        |     | Ex S 1/4 S | SW        | 1/4     |                          |           | at 8 Pm still alight Briar      | 8                                                                                                                 | 18        |        | Ex S 1/4 S | Wist      | —       |                          |           | at 8 Pm still alight Briar      |
| 9                                                                                                                 |           |     |            |           |         |                          |           | from S.W. via smath             | 9                                                                                                                 |           |        |            |           |         |                          |           | from Wst Chare via smath        |
| 10                                                                                                                |           |     |            |           |         |                          |           |                                 | 10                                                                                                                |           |        |            |           |         |                          |           | lights and Lookaut atandat      |
| 11                                                                                                                |           |     |            |           |         |                          |           | at 12 Pm Light are from NW      | 11                                                                                                                |           |        |            |           |         |                          |           | tu                              |
| 12                                                                                                                | 8         |     | Ex S 1/4 S | W         | 1/4     |                          |           | to time at times Lights and     | 12                                                                                                                | 13        |        | Ex S 1/4 S | Wist      | —       |                          |           | at 12 Pm Light Wind from W      |
| 1                                                                                                                 |           |     |            |           |         |                          |           | Lookaut atandat tu              | 1                                                                                                                 |           |        |            |           |         |                          |           | Chare via smath Lights and      |
| 2                                                                                                                 |           |     |            |           |         |                          |           |                                 | 2                                                                                                                 |           |        |            |           |         |                          |           | Lookaut atandat tu              |
| 3                                                                                                                 |           |     |            |           |         |                          |           |                                 | 3                                                                                                                 |           |        |            |           |         |                          |           |                                 |
| 4                                                                                                                 | 10        |     | Ex S 1/4 S | W         | 1/4     |                          |           | at 4 am still alight Briar from | 4                                                                                                                 | 14        |        | Ex S 1/4 S | Wist      | —       |                          |           | at 4 am still Light Wind's      |
| 5                                                                                                                 |           |     |            |           |         |                          |           | NW Chare via smath              | 5                                                                                                                 |           |        |            |           |         |                          |           | Blowing from Wist to WSW        |
| 6                                                                                                                 |           |     |            |           |         |                          |           |                                 | 6                                                                                                                 |           |        |            |           |         |                          |           | Cloud                           |
| 7                                                                                                                 |           |     |            |           |         |                          |           | at 8 am alight Wind from NW     | 7                                                                                                                 |           |        |            |           |         |                          |           | at 8 am alights Briar pushing   |
| 8                                                                                                                 | 19        |     | Ex S 1/4 S | W         | 1/4     |                          |           | and Chare via smath ships       | 8                                                                                                                 | 15        |        | Ex S 1/4 S | Wist      | —       |                          |           | from Wst Chare via smath        |
| 9                                                                                                                 |           |     |            |           |         |                          |           | Dutis atandat tu                | 9                                                                                                                 |           |        |            |           |         |                          |           | at 12 am Wind pushing from N    |
| 10                                                                                                                |           |     |            |           |         |                          |           | at 12 still alight Briar from   | 10                                                                                                                |           |        |            |           |         |                          |           | via smath and Chare ships Dutis |
| 11                                                                                                                |           |     |            |           |         |                          |           | NW Chare Obs atandat also       | 11                                                                                                                |           |        |            |           |         |                          |           | atandat White muns and Oriental |
| 12                                                                                                                | 17        |     | Ex S 1/4 S | W         | 1/4     |                          |           | White muns and Oriental         | 12                                                                                                                | 17        |        | Ex S 1/4 S | Wist      | —       |                          |           | quater in spack to              |
|                                                                                                                   |           |     |            |           |         |                          |           | in spack to 16 Days Out         |                                                                                                                   |           |        |            |           |         |                          |           | 18 Days Out                     |
| Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |           |     |            |           |         |                          |           |                                 | Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob. Variation Diff. of Lon. Lon. by D.R. Lon. by Ob. |           |        |            |           |         |                          |           |                                 |
| S 55° E                                                                                                           | 85 miles  | 48' | 96 E       | 42° 16' N | 42° 02' | 20° E                    | 1° 34'    | 130° 37'                        | S 55° E                                                                                                           | 102 miles | 58'S   | 83 E       | 39° 59' N | 39° 38' | 19° E                    | 1° 47'    | 126° 27'                        |

Journal from *Nushagak Alaska* towards *San Francisco*

## Journal from towards

| H       | K  | F         | COURSES       | WINDS     | LEEWAY        | Thermometer |           | Barometer     | REMARKS                            | day of      |
|---------|----|-----------|---------------|-----------|---------------|-------------|-----------|---------------|------------------------------------|-------------|
|         |    |           |               |           |               | Air         | Water     |               |                                    |             |
| 1       |    |           |               |           |               |             |           |               | at 4 Pm a fresh Breeze from        | 1           |
| 2       |    |           |               |           |               |             |           |               | North East ships Duties attended   | 2           |
| 3       |    |           |               |           |               |             |           |               |                                    | 3           |
| 4       | 26 |           | Ex S 1/2 S    | North     | —             |             |           | 30 1/10       | at 6 Pm Lights pumped and          | 4           |
| 5       |    |           |               |           |               |             |           |               | Lockouth attended                  | 5           |
| 6       |    |           |               |           |               |             |           |               |                                    | 6           |
| 7       |    |           |               |           |               |             |           |               | at 8 Pm a moderate Breeze          | 7           |
| 8       | 32 |           | Ex S 1/4 S    | North     | —             |             |           |               | from North East via moderate       | 8           |
| 9       |    |           |               |           |               |             |           |               | Lights and Lockouth attended       | 9           |
| 10      |    |           |               |           |               |             |           |               |                                    | 10          |
| 11      |    |           |               |           |               |             |           |               | at 12 Pm still a moderate          | 11          |
| 12      | 32 |           | Ex S 1/4 S    | North     | —             |             |           |               | Breeze from North via Bay View     | 12          |
| 1       |    |           |               |           |               |             |           |               | Chase Lights and Lockouth at       | 1           |
| 2       |    |           |               |           |               |             |           |               |                                    | 2           |
| 3       |    |           |               |           |               |             |           |               | at 4 Am a fresh Breeze from        | 3           |
| 4       | 36 |           | Ex S 1/4 S    | North     | —             |             |           |               | North via smooth and Chase         | 4           |
| 5       |    |           |               |           |               |             |           |               |                                    | 5           |
| 6       |    |           |               |           |               |             |           |               | at 10 30 sighted North Farallon    | 6           |
| 7       |    |           |               |           |               |             |           |               | 2 Points on the starboard Bow      | 7           |
| 8       | 38 |           | Ex S 1/4 S    | North     | —             |             |           |               | Distance of about 10 miles         | 8           |
| 9       |    |           |               |           |               |             |           |               | at 12 Pm Fairway Breeze North      | 9           |
| 10      |    |           |               |           |               |             |           |               | Dis of 10 miles North Farallon B   | 10          |
| 11      |    |           |               |           |               |             |           |               | SE 1/4 E Dis of 8 miles ships head | 11          |
| 12      | 27 |           | East          | North     | —             |             |           |               | East Moderate Breeze from North    | 12          |
|         |    |           |               |           |               |             |           |               | Exp. 19 Days Off                   |             |
| Course  |    | Distance  | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R.                      | Lon. by Ob. |
| S 87° E |    | 202 miles |               |           |               | 87° 52'     | 190 E     |               |                                    | 123° 00'    |
| H       | K  | F         | COURSES       | WINDS     | LEEWAY        | Thermometer |           | Barometer     | REMARKS                            | day of      |
|         |    |           |               |           |               | Air         | Water     |               |                                    |             |
| 1       |    |           |               |           |               |             |           |               | at 3 Pm San Francisco Light        | 1           |
| 2       |    |           |               |           |               |             |           |               | ships when arranged Breeze         | 2           |
| 3       |    |           |               |           |               |             |           |               | from North ship's head for         | 3           |
| 4       |    |           |               |           |               |             |           |               | Barista Light House                | 4           |
| 5       |    |           |               |           |               |             |           |               | at 4 Pm North Point abeam          | 5           |
| 6       |    |           |               |           |               |             |           |               | at shorted sails at 4 30 Pm        | 6           |
| 7       |    |           |               |           |               |             |           |               | Dropt anchor of Resisistis         | 7           |
| 8       |    |           |               |           |               |             |           |               | shore part of 45 fathoms           | 8           |
| 9       |    |           |               |           |               |             |           |               | at Chase Point quite in the        | 9           |
| 10      |    |           |               |           |               |             |           |               | Water, etc. on Port anchor         | 10          |
| 11      |    |           |               |           |               |             |           |               | the 8 Ends the the Wayage          | 11          |
| 12      |    |           |               |           |               |             |           |               | from Nushagak Alaska               | 12          |
| 1       |    |           |               |           |               |             |           |               | to San Francisco                   | 1           |
| 2       |    |           |               |           |               |             |           |               | at 8 30 Pm the men being           | 2           |
| 3       |    |           |               |           |               |             |           |               | examined and the method            | 3           |
| 4       |    |           |               |           |               |             |           |               | to go ashore by the Docktar        | 4           |
| 5       |    |           |               |           |               |             |           |               | as hadtt officer.                  | 5           |
| 6       |    |           |               |           |               |             |           |               |                                    | 6           |
| 7       |    |           |               |           |               |             |           |               |                                    | 7           |
| 8       |    |           |               |           |               |             |           |               |                                    | 8           |
| 9       |    |           |               |           |               |             |           |               |                                    | 9           |
| 10      |    |           |               |           |               |             |           |               |                                    | 10          |
| 11      |    |           |               |           |               |             |           |               |                                    | 11          |
| 12      |    |           |               |           |               |             |           |               |                                    | 12          |
| Course  |    | Distance  | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R.                      | Lon. by Ob. |
|         |    |           |               |           |               |             |           |               |                                    |             |

Variable courses started  
from Point Reyes to the  
anchorage of Resisistis shores

Monday 4<sup>th</sup> day of September  
at 3 Pm San Francisco Light  
ships when arranged Breeze  
from North ship's head for  
Barista Light House  
at 4 Pm North Point abeam  
at shorted sails at 4 30 Pm  
Dropt anchor of Resisistis  
shore part of 45 fathoms  
at Chase Point quite in the  
Water, etc. on Port anchor  
the 8 Ends the the Wayage  
from Nushagak Alaska  
to San Francisco  
at 8 30 Pm the men being  
examined and the method  
to go ashore by the Docktar  
as hadtt officer.

Journal from \_\_\_\_\_ towards \_\_\_\_\_

Journal from \_\_\_\_\_ towards \_\_\_\_\_

| H      | K        | F             | COURSES   | WINDS         | LEEWAY      | Thermometer |               | Barometer     | REMARKS     | day of |
|--------|----------|---------------|-----------|---------------|-------------|-------------|---------------|---------------|-------------|--------|
|        |          |               |           |               |             | Air         | Water         |               |             |        |
| 1      |          |               |           |               |             |             |               |               |             |        |
| 2      |          |               |           |               |             |             |               |               |             |        |
| 3      |          |               |           |               |             |             |               |               |             |        |
| 4      |          |               |           |               |             |             |               |               |             |        |
| 5      |          |               |           |               |             |             |               |               |             |        |
| 6      |          |               |           |               |             |             |               |               |             |        |
| 7      |          |               |           |               |             |             |               |               |             |        |
| 8      |          |               |           |               |             |             |               |               |             |        |
| 9      |          |               |           |               |             |             |               |               |             |        |
| 10     |          |               |           |               |             |             |               |               |             |        |
| 11     |          |               |           |               |             |             |               |               |             |        |
| 12     |          |               |           |               |             |             |               |               |             |        |
| 1      |          |               |           |               |             |             |               |               |             |        |
| 2      |          |               |           |               |             |             |               |               |             |        |
| 3      |          |               |           |               |             |             |               |               |             |        |
| 4      |          |               |           |               |             |             |               |               |             |        |
| 5      |          |               |           |               |             |             |               |               |             |        |
| 6      |          |               |           |               |             |             |               |               |             |        |
| 7      |          |               |           |               |             |             |               |               |             |        |
| 8      |          |               |           |               |             |             |               |               |             |        |
| 9      |          |               |           |               |             |             |               |               |             |        |
| 10     |          |               |           |               |             |             |               |               |             |        |
| 11     |          |               |           |               |             |             |               |               |             |        |
| 12     |          |               |           |               |             |             |               |               |             |        |
| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |        |

| H      | K        | F             | COURSES   | WINDS         | LEEWAY      | Thermometer |               | Barometer     | REMARKS     | day of |
|--------|----------|---------------|-----------|---------------|-------------|-------------|---------------|---------------|-------------|--------|
|        |          |               |           |               |             | Air         | Water         |               |             |        |
| 1      |          |               |           |               |             |             |               |               |             |        |
| 2      |          |               |           |               |             |             |               |               |             |        |
| 3      |          |               |           |               |             |             |               |               |             |        |
| 4      |          |               |           |               |             |             |               |               |             |        |
| 5      |          |               |           |               |             |             |               |               |             |        |
| 6      |          |               |           |               |             |             |               |               |             |        |
| 7      |          |               |           |               |             |             |               |               |             |        |
| 8      |          |               |           |               |             |             |               |               |             |        |
| 9      |          |               |           |               |             |             |               |               |             |        |
| 10     |          |               |           |               |             |             |               |               |             |        |
| 11     |          |               |           |               |             |             |               |               |             |        |
| 12     |          |               |           |               |             |             |               |               |             |        |
| 1      |          |               |           |               |             |             |               |               |             |        |
| 2      |          |               |           |               |             |             |               |               |             |        |
| 3      |          |               |           |               |             |             |               |               |             |        |
| 4      |          |               |           |               |             |             |               |               |             |        |
| 5      |          |               |           |               |             |             |               |               |             |        |
| 6      |          |               |           |               |             |             |               |               |             |        |
| 7      |          |               |           |               |             |             |               |               |             |        |
| 8      |          |               |           |               |             |             |               |               |             |        |
| 9      |          |               |           |               |             |             |               |               |             |        |
| 10     |          |               |           |               |             |             |               |               |             |        |
| 11     |          |               |           |               |             |             |               |               |             |        |
| 12     |          |               |           |               |             |             |               |               |             |        |
| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |        |

| H      | K        | F             | COURSES   | WINDS         | LEEWAY      | Thermometer |               | Barometer     | REMARKS     | day of |
|--------|----------|---------------|-----------|---------------|-------------|-------------|---------------|---------------|-------------|--------|
|        |          |               |           |               |             | Air         | Water         |               |             |        |
| 1      |          |               |           |               |             |             |               |               |             |        |
| 2      |          |               |           |               |             |             |               |               |             |        |
| 3      |          |               |           |               |             |             |               |               |             |        |
| 4      |          |               |           |               |             |             |               |               |             |        |
| 5      |          |               |           |               |             |             |               |               |             |        |
| 6      |          |               |           |               |             |             |               |               |             |        |
| 7      |          |               |           |               |             |             |               |               |             |        |
| 8      |          |               |           |               |             |             |               |               |             |        |
| 9      |          |               |           |               |             |             |               |               |             |        |
| 10     |          |               |           |               |             |             |               |               |             |        |
| 11     |          |               |           |               |             |             |               |               |             |        |
| 12     |          |               |           |               |             |             |               |               |             |        |
| 1      |          |               |           |               |             |             |               |               |             |        |
| 2      |          |               |           |               |             |             |               |               |             |        |
| 3      |          |               |           |               |             |             |               |               |             |        |
| 4      |          |               |           |               |             |             |               |               |             |        |
| 5      |          |               |           |               |             |             |               |               |             |        |
| 6      |          |               |           |               |             |             |               |               |             |        |
| 7      |          |               |           |               |             |             |               |               |             |        |
| 8      |          |               |           |               |             |             |               |               |             |        |
| 9      |          |               |           |               |             |             |               |               |             |        |
| 10     |          |               |           |               |             |             |               |               |             |        |
| 11     |          |               |           |               |             |             |               |               |             |        |
| 12     |          |               |           |               |             |             |               |               |             |        |
| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |        |

| H      | K        | F             | COURSES   | WINDS         | LEEWAY      | Thermometer |               | Barometer     | REMARKS     | day of |
|--------|----------|---------------|-----------|---------------|-------------|-------------|---------------|---------------|-------------|--------|
|        |          |               |           |               |             | Air         | Water         |               |             |        |
| 1      |          |               |           |               |             |             |               |               |             |        |
| 2      |          |               |           |               |             |             |               |               |             |        |
| 3      |          |               |           |               |             |             |               |               |             |        |
| 4      |          |               |           |               |             |             |               |               |             |        |
| 5      |          |               |           |               |             |             |               |               |             |        |
| 6      |          |               |           |               |             |             |               |               |             |        |
| 7      |          |               |           |               |             |             |               |               |             |        |
| 8      |          |               |           |               |             |             |               |               |             |        |
| 9      |          |               |           |               |             |             |               |               |             |        |
| 10     |          |               |           |               |             |             |               |               |             |        |
| 11     |          |               |           |               |             |             |               |               |             |        |
| 12     |          |               |           |               |             |             |               |               |             |        |
| 1      |          |               |           |               |             |             |               |               |             |        |
| 2      |          |               |           |               |             |             |               |               |             |        |
| 3      |          |               |           |               |             |             |               |               |             |        |
| 4      |          |               |           |               |             |             |               |               |             |        |
| 5      |          |               |           |               |             |             |               |               |             |        |
| 6      |          |               |           |               |             |             |               |               |             |        |
| 7      |          |               |           |               |             |             |               |               |             |        |
| 8      |          |               |           |               |             |             |               |               |             |        |
| 9      |          |               |           |               |             |             |               |               |             |        |
| 10     |          |               |           |               |             |             |               |               |             |        |
| 11     |          |               |           |               |             |             |               |               |             |        |
| 12     |          |               |           |               |             |             |               |               |             |        |
| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation   | Diff. of Lon. | Lon. by D. R. | Lon. by Ob. |        |

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Journal from towards

| H  | K | F | COURSES | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS | day of |
|----|---|---|---------|-------|--------|-------------|-------|-----------|---------|--------|
|    |   |   |         |       |        | Air         | Water |           |         |        |
| 1  |   |   |         |       |        |             |       |           |         |        |
| 2  |   |   |         |       |        |             |       |           |         |        |
| 3  |   |   |         |       |        |             |       |           |         |        |
| 4  |   |   |         |       |        |             |       |           |         |        |
| 5  |   |   |         |       |        |             |       |           |         |        |
| 6  |   |   |         |       |        |             |       |           |         |        |
| 7  |   |   |         |       |        |             |       |           |         |        |
| 8  |   |   |         |       |        |             |       |           |         |        |
| 9  |   |   |         |       |        |             |       |           |         |        |
| 10 |   |   |         |       |        |             |       |           |         |        |
| 11 |   |   |         |       |        |             |       |           |         |        |
| 12 |   |   |         |       |        |             |       |           |         |        |

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|--------|----------|---------------|-----------|---------------|-------------|-----------|---------------|---------------|---------|
| Course | Distance | Diff. of Lat. | Departure | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. by |
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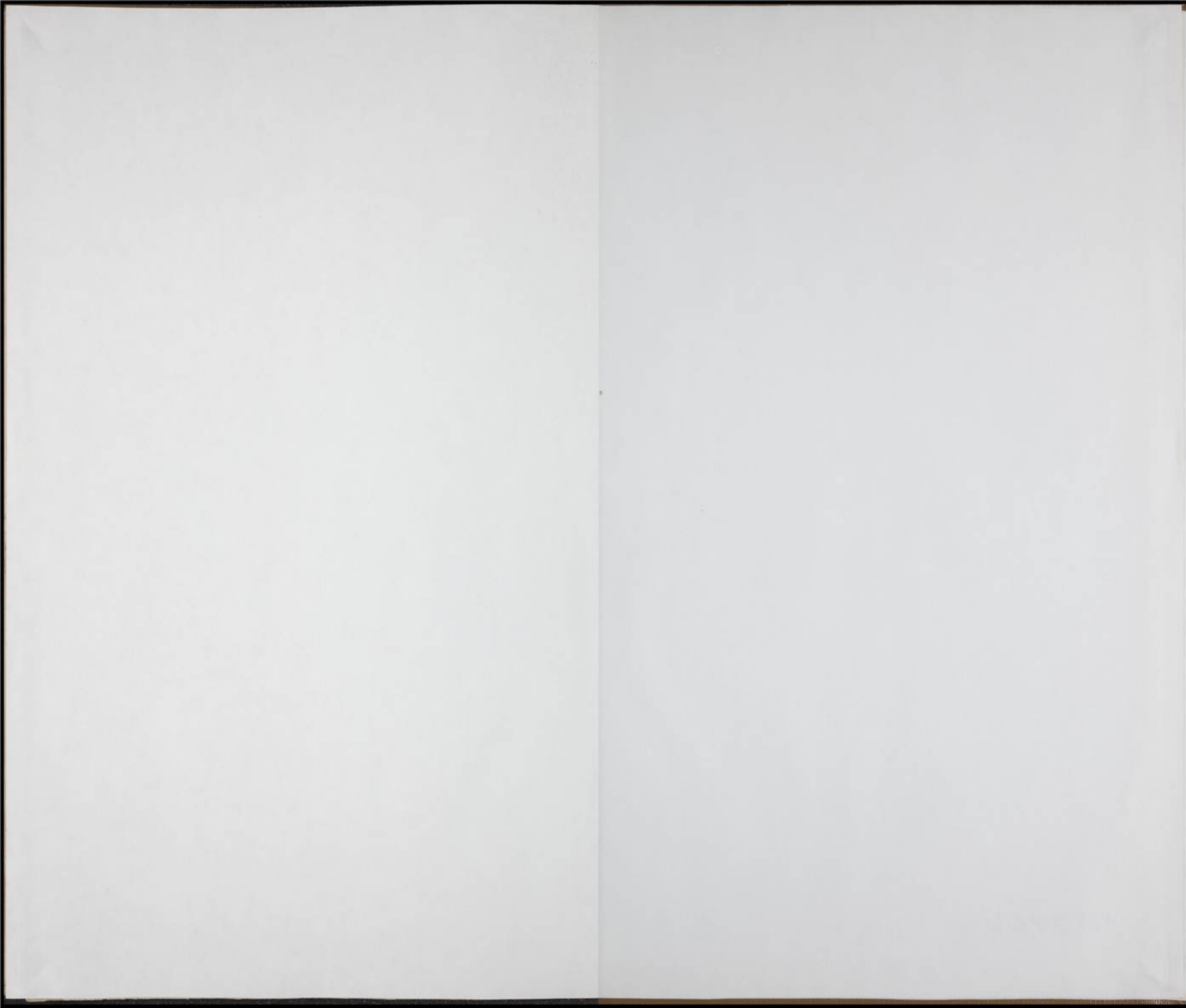
| H  | K | F | COURSES | WINDS | LEEWAY | Thermometer |       | Barometer | REMARKS | day of |
|----|---|---|---------|-------|--------|-------------|-------|-----------|---------|--------|
|    |   |   |         |       |        | Air         | Water |           |         |        |
| 1  |   |   |         |       |        |             |       |           |         |        |
| 2  |   |   |         |       |        |             |       |           |         |        |
| 3  |   |   |         |       |        |             |       |           |         |        |
| 4  |   |   |         |       |        |             |       |           |         |        |
| 5  |   |   |         |       |        |             |       |           |         |        |
| 6  |   |   |         |       |        |             |       |           |         |        |
| 7  |   |   |         |       |        |             |       |           |         |        |
| 8  |   |   |         |       |        |             |       |           |         |        |
| 9  |   |   |         |       |        |             |       |           |         |        |
| 10 |   |   |         |       |        |             |       |           |         |        |
| 11 |   |   |         |       |        |             |       |           |         |        |
| 12 |   |   |         |       |        |             |       |           |         |        |

|        |          |               |        |               |             |           |               |               |      |
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| Course | Distance | Diff. of Lat. | Depart | Lat. by D. R. | Lat. by Ob. | Variation | Diff. of Lon. | Lon. by D. R. | Lon. |
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Len. by D.R.

Len. by C



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