

VOLUME 18
4 APRIL 1912 - 4 NOV 1915

LOG BOOK

OF THE

Bark Star of India

ON A VOYAGE

From *San Francisco*

To *Kushagak River and
Return*

Form No. 1—Published and Sold by

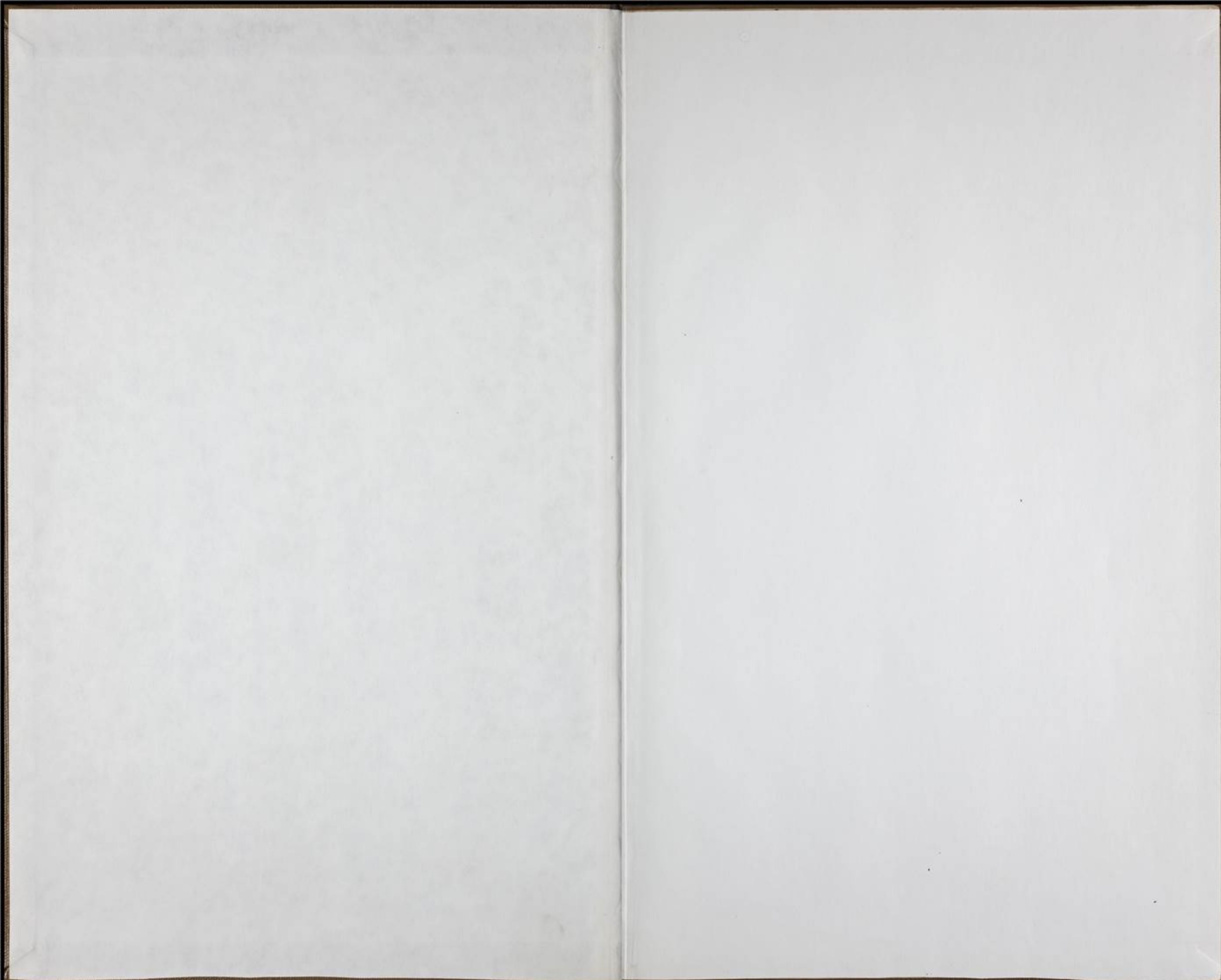
LOUIS WEULE COMPANY

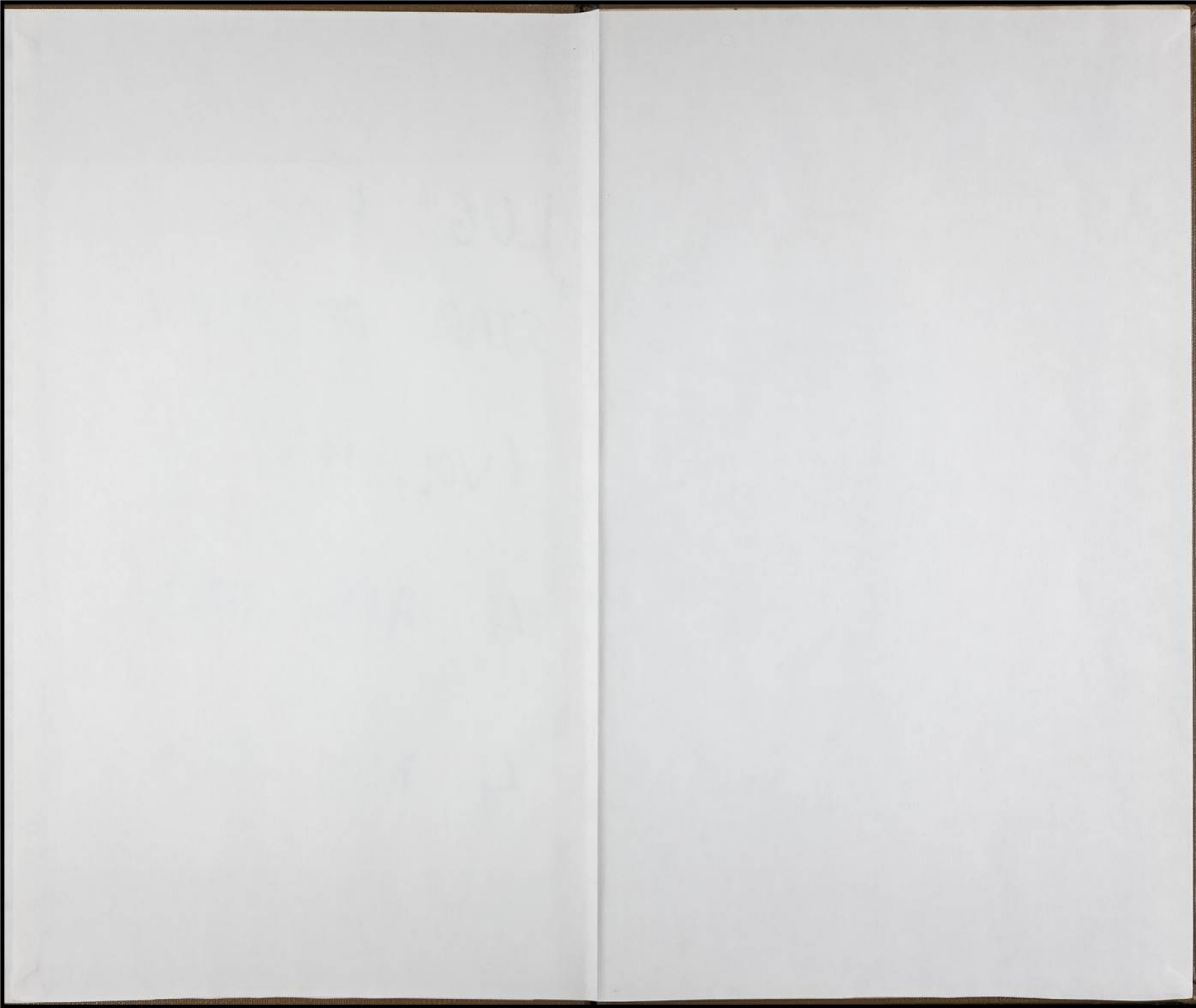
CHRONOMETERS, NAUTICAL INSTRUMENTS

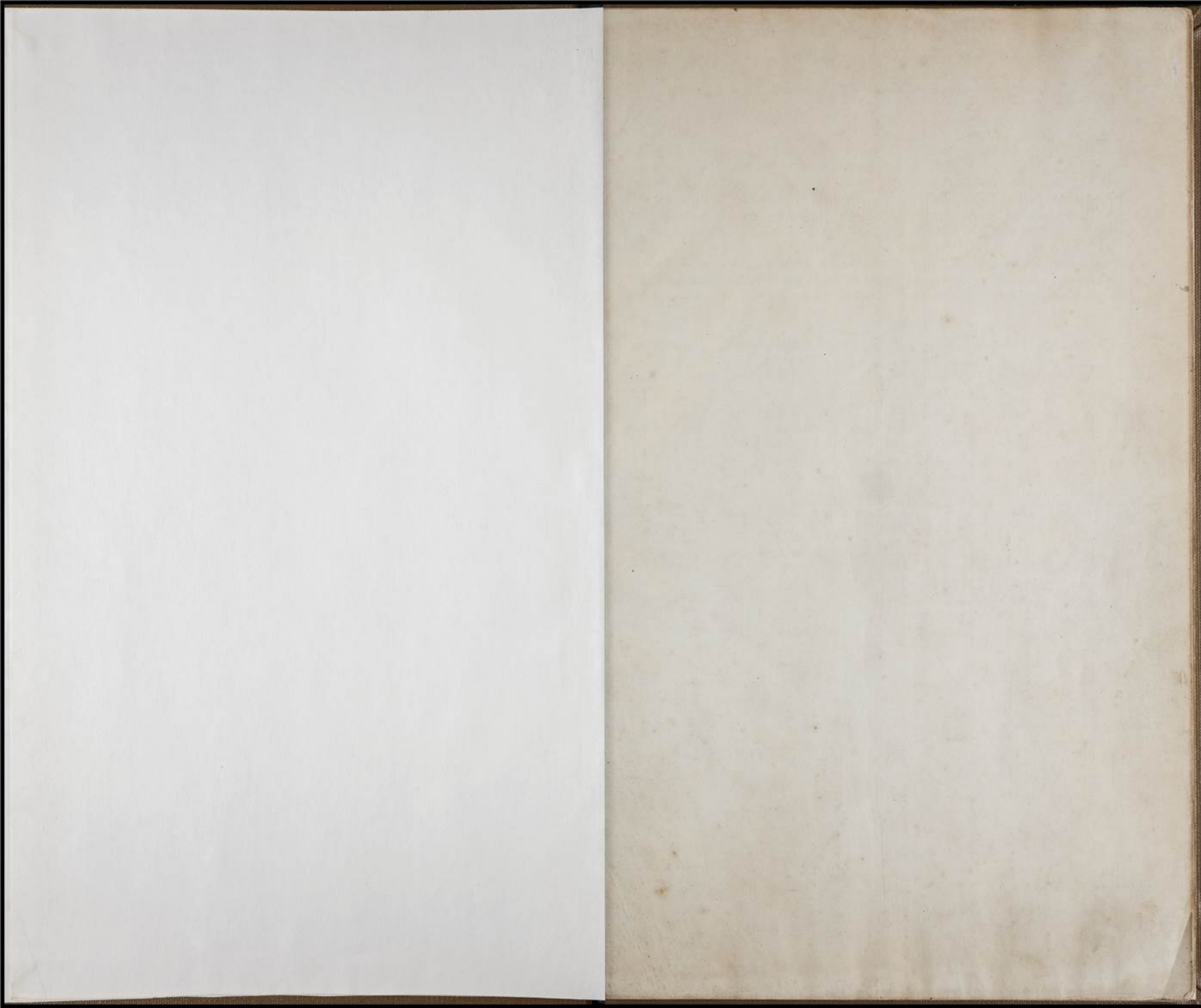
CHARTS, BOOKS ON NAVIGATION

6 CALIFORNIA STREET

SAN FRANCISCO, CAL.







Bark Star of India

Journal from *San Francisco* towards *Kushagak River Alaska*

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS	day of
					Air	Water			

Sun 14th April 1912

at 8⁴⁵ am off the signal hands on board ship
Drought aft 18.6 forward 18.2
got the tug sea gull long side with look the ship
from 16th street Dock down to of Broadway Dock
Then let go sea gull hawser and look the tug
Bestless Lorraine with Lorne the ship to sea

at 11³⁰ am at the light vessel let go Lorraine had
all sails set calm and clear sea smooth
at noon light west wind ship heading SW

8 pm Lorraine light bearing N x E 18'
from there I take the departure

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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K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS	day of
					Air	Water			

Mon 15th April 1912

14	SW	NNW 1/2 ^{pt}					30.34	moderate breeze with clear weather all throughout all sails set
14	SW	W x S	"				"	Pumps well sound
22	S x W	"	"				"	lights and look out attended to
28	S x W 1/2 W	"	"				"	800 1/2 ^{pt} 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.
539°	96'	1° 18'	59.4	36° 27'	36° 22'	1 1/2 ^{pt}	1° 58'	1293	124 41'

Journal from San Francisco

towards Kuskagek River

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

Journal from San Francisco

towards Kuskagek River Alaska

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of
1									16									18
2									1912									1912
3																		
4	25		SxS $\frac{1}{2}$ S	WxW	$\frac{1}{4}$ st					21		NxS	NWxN	$\frac{1}{4}$ st			Moderate Breeze cloudy weather sea smooth	
5																	all sails set all throughout	
6																		
7																		
8	30		Sx $\frac{1}{2}$ S	NxN	"			Moderate Breeze clear weather		24		"	"	"				
9								sea smooth										
10								all throughout										
11								all sails set		29		N $\frac{1}{2}$ S	"	"			No change	
12	25		"	"	"													
1																		
2																		
3																		
4	22		"	"	"					29		NxS	"	"			Light and Lookouts attended to	
5																		
6																		
7																		
8	26		Sx $\frac{1}{2}$ N	"	"			lights and lookouts attended to		31		N $\frac{1}{2}$ S	"	"	30.56			
9																		
10																		
11																		
12	22		Sx $\frac{1}{2}$ S	"	"			2 days out		21		NxN	NxN	"				

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 5 $\frac{1}{2}$ W	149'	1° 10'	131.9	35° 17'	35° 07'	1 $\frac{1}{2}$ W	2° 43'	127° 21'	126° 27' 49"	153	0° 28'	157.1	35° 15'	35° 20'	1 $\frac{1}{2}$ E	3° 05'	133° 48'	134° 01'	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of
1									17									
2									1912									
3																		
4	27		SxN	NxN	$\frac{1}{4}$ st					19		N $\frac{1}{2}$ N	NxN	$\frac{1}{4}$ st			Light variable Breeze cloudy weather sea smooth all sails set at throughout	
5																		
6																		
7								Moderate Breeze at										
8	27		SxN $\frac{1}{4}$ N	NxN	"			Throughout clear weather		21		NxN	NxN	"				
9								all sails set										
10																		
11																		
12	21		SxN $\frac{1}{2}$ N	"	"					20		"	"	"			No change	
1																		
2																		
3																		
4	25		NxS	"	"		30.53	This watch cloudy with light Rain		20		"	"	"				
5																		
6																		
7																		
8	33		NxS	"	"			Light and Lookouts attended to		22		"	"	"				
9																		
10																		
11																		
12	22		"	"	"			3 days out		22		SxN $\frac{1}{2}$ 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.
N 1/2 W	124'	0° 14'	121.7	34° 00'	34° 47'	1 1/2 E	3° 05'	130° 33'	130° 43'	124'	0° 14'	121.7	34° 19'	34° 43'	1 1/2 E	3° 27'	134° 04'	134° 01'	

Journal from San Francisco

towards Kuskokwim River Alaska

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lat. 20 th day of April 1912
2								Light variable wind cloudy weather
3								
4	14		NSW	SW	1/4 th			
5								
6								
7								
8	18		"	"				
9								
10								Light variable air and calm at times all throughout
11	4		"	"				
12								all sails set
1								
2								
3								
4	2		SWW	"				
5								
6								
7								Light and Lookouts attended to
8	3		"	"				
9								
10								
11								6 days out
12	2		SW					

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
NSW	37	0° 5'	37.4	35° 25'	35° 25'	1 1/2° E	0° 40'	137° 19'	137° 19'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lat. 21 st day of April 1912
2								
3								First and middle part of this last 24 hours moderate breeze
4	20		SWW	SW	1/4 th			
5								
6								
7								
8	10		SWW	"	"			later part blowing hard with heavy rain squalls
9								
10								
11								Wind changed back to west
12	22		"	South SW				Look in small sails
1								
2								
3								
4	33		"	SW				
5								
6								
7								Light and Lookouts attended to
8	41		"	"				
9								
10	19		"	"				
11								7 days out
12	19		SW	SW	1/4 th			

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SW	76	1° 11'	24.7	40° 36'	40° 36'	1 1/2° E	2° 20'	138° 55'	138° 55'

Journal from San Francisco

towards Kuskokwim River Alaska

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LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1							Lat. 22 nd day of April 1912
2							
3							
4	28	SW	SW	3/4 th			Strong wind squalls weather like breeze small rain last all throughout
5							
6							
7							
8	19	"	"	"			
9							
10							
11							In company with Boat, Star of England
12	21	SW	SW				
1							
2							
3							
4	19	"	"	"			
5							
6							
7							Pumps side lights and Lookouts all to
8	17	"	"	"			
9							8 days out
10							
11							
12	22	SW	SW				8° SW

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SW	126	1° 11'	44.4	39° 28'	39° 28'	1 1/2° E	0° 40'	137° 20'	137° 20'

K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1							Lat. 23 rd day of April 1912
2							
3							
4	26	SW	SW	3/4	31		Strong Wind Squalls at times Dead fast gallant sails Big mid- swell
5							
6							
7							
8	18	"	"	1 st	"		
9							
10							
11							No change
12	15	"	"	"	"		
1							
2							
3							
4	16	North SW	"	"	"		Wind moderating set more sails
5							
6							
7							all sails set waved ship her way
8	15	"	"	"	"		
9							
10							Pumps side lights and Lookouts all to
11							
12	15	SW	"	0	76		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.
SW	76	1° 11'	24.7	40° 36'	40° 36'	1 1/2° E	0° 34'	138° 55'	138° 54'

[illegible]

Journal from San Francisco

towards Chesapeake River

FORM NO. 1
LOUIS WEULE CO.
6 CALIFORNIA STREET
SAN FRANCISCO, CAL.

Journal from

towards

FORM NO. 1
LOUIS WEULE CO.
6 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	28 day of April 1912	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	April 30 day of 1912
1																		
2																		
3																		
4	20		NW 1/2 W	WSW	1/2			Moderate and Fresh Breeze		6		WSW	Variable					Variable wind with Rain
5								Squally weather										all sails set
6	7		NW 1/2 W	..				Big Mist Sea		8		N 3/4 S	WSW	1/2				
7										14		SW	..					
8	3		N x E	calm				Wind unsteady in force										Wind freshening with hard
9								and direction										squalls Look in small
10								all throughout										sails and gallant
11	7		SW 1/2 W	WSW	1/2					27		SW 1/2 S	WSW	..				sail
12								10 ^{am} Lacked Ship										Big Mist Sea
1																		
2																		
3																		
4	18		SW	WSW	..			Pumps Sidelights		21		SW 1/4 W	West	..				less wind set noon sails
5								and Lookouts all to										
6																		
7																		
8	20		SW	West	..					18		SW 1/2 W	..	..	30.15			Pumps Sidelights and
9	4		S x W	..				14 days out										Lookouts all under way
10																		
11																		
12	19		WSW 1/2 W	West	..			and drive		17		SW	N x S	..				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 74° W	62	0° 17'	50.9	45° 54'	45° 00'	21° E	1° 13'	145° 31'	145° 33'	51° W	100	1° 08'	77° 56'	45° 27'	45° 25'	21° E	1° 52'	147° 56'	148° 00'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	29 day of April 1912	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	May 1 day of 1912
1																		
2																		
3																		
4	30		NW 1/2 W	West	1/2			Moderate and		14		South	WSW	3/4				Lacked Ship
5								Breeze with										
6	12		N 3/4 W	WSW	..			Squalls		6		NW 1/2 W	West	..				Moderate increasing breeze
7								and sails fast										Big Mist Sea
8	9		North	WSW	..			Lacked Ship										Partly
9																		clear
10																		all sails set
11																		
12	19		SW	West	..			later part light variable										
1								Wind with light Rain		14		W x N	SW	..	30.27			Wind freshening with
2								all sails set										Rain
3																		
4	16		SW 1/2 W	..	5													
5	4		South	WSW	..													Look in light sails
6																		
7																		
8	15		NW 1/2 W	WSW	..			5 ^{am} in Pumpval										
9								Sidelights and		40		..	..	0				Pumps Sidelights
10								lookouts all to										and Lookouts all to
11								15 days out										
12	20		NW 1/2 W	WSW	..			and direction		40		..	SW	..				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 16° W	55	0° 43'	15.2	46° 53'	46° 53'	21° E	0° 21'	145° 54'	145° 54'	N 55° W	134	1° 16'	110.7	46° 41'	46° 41'	21° E	2° 39'	150° 39'	150° 39'

Journal from San Francisco

towards Nushagak

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

Journal from San Francisco

towards Nushagak, River Alaska

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	2 nd day of May 1912	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	4 th day of May 1912
1										29	W 1/2 N	SE	1/2 nd					Blowing hard with heavy squalls
2										29	W 1/2 N	"	"					Big sea with the wind
3										14	W x N	"	"					Ship laboring heavy
4	32		N x N	SE	1/2 nd					7	"	"	3 rd					29.53
5																		
6	19																	
7																		
8	20		"	"	"													
9																		
10																		
11	25		"	"	"					10	SW x W 1/2 N	SE	"					lost wind set more sails
12																		
1																		
2																		
3																		
4	15		"	"	3 rd					14	SW x N	N x S	2					
5																		
6																		
7																		
8	11		N x N	SE	4 th					19	N x N	West	1 1/2					Moderate breeze all sails set
9																		
10																		
11																		
12	11		N x N	N x S	"						N x N	N x N	1					5 fire in Pump well lights and lookouts att to 20 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 37° W	131'	1° 38'	72.1	48° 19'	48° 26'	21° E	1° 48'	152° 27'	152° 28' 22" W		98	1° 31'	37.7	51° 10'	51° 24'	20° E	0° 59'	156° 3'	156° 01' W

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	3 rd day of May 1912	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	5 th day of May 1912
1										1								
2										2								
3										3								
4	9		N x N	N x N	1/2					4	18	West	SE	0				Light wind with rain and mist all sails set
5										5								
6	6		N x N	SE	2 nd					6								
7										7								
8	7		West	SE	1 st					8	8		East	"				
9										9								
10										10	6		calm					
11										11								
12	22		"	"	1/2					12								
1										1								
2										2								
3										3								
4	29		"	"	"					4	21	N x N	West	1 st				
5										5								
6										6								
7										7								
8	30		"	South	0					8	21	N x N	N x N	"				
9										9								
10										10								
11										11								
12	27		"	SE	2 nd					12	23	N x N	SE	1/2 nd				

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 37° W	132	1° 13'	107	48° 39'	48° 39'	20° E	2° 40'	155° 04'	155° 04'	N 37° W	102	1° 24'	55.8	52° 48'	52° 51'	20° E	1° 30'	157° 31'	157° 31'

Journal from San Francisco towards Kushagak

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS	6 th day of May 1912
						Air	Water			
1										
2										
3										
4	22		NW 1/2 N	SW x W	3/4					
5										
6	10		NW 1/2 N	"	"					
7										
8	10		"	"	"					
9										
10										
11										
12	10		SE x S 1/2 S	SW	"					
1										
2										
3										
4	8		"	"	"					
5										
6										
7										
8	13		"	"	"					
9										
10	9		SE x S	"	1/2					
11										
12	11		NW x N	SW x 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.
NH 1/2 W	15'	0° 11'	10.0	53° 02'	52° 59'	20° E	0° 17'	157° 39'	157° 42'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS	7 th day of May 1912
						Air	Water			
1										
2										
3	21		NW 1/2 W	W x W	3/4					
4	4		SE 1/2 S	SW	"					
5										
6										
7										
8	23		SE x S	"	"					
9										
10										
11										
12	21		"	"	"					
1										
2										
3										
4	23		"	"	"					
5										
6										
7										
8	17		SE x S 1/2 S	"	"					
9										
10										
11	9		"	"	"					
12	6		W x N	SW 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.
N 14° W	71	1° 09'	17.7	51° 50'	51° 49'	20° E	0° 29'	157° 03'	157° 08'

Journal from San Francisco towards Kushagak River Alaska

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS	8 th day of May 1912
					Air	Water			
1									
2									
3									
4	19		NW x N 1/2 W	West	1/2				
5									
6	6		NW x W	"	"				
7									
8	7		NW x W	W x W	"				
9									
10									
11									
12	6		West	SE	0				
1									
2									
3									
4	6		"	N x W	1/2		3003		
5									
6									
7									
8	11		SW x S	W x W	"				
9									
10									
11									
12	6		South	W x 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 1/2 W	41'	0° 20'	36.1	52° 09' 20"	52° 07'	20° E	0° 19'	157° 57' W	

K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS	9 th day of May 1912
					Air	Water			
1									
2									
3									
4	8		W x W	W x W	C				
5									
6	3		SW x W	"	"				
7									
8	5		W x W	"	"				
9									
10									
11									
12	10		West	North	"		29.93		
1									
2									
3									
4	19		"	"	"				
5									
6									
7									
8	30		W x S	NW x W	1/2				
9									
10									
11									
12	31		N 1/2 W	NW x 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 14° W	108	0° 28'	10.8	52° 35' N	52° 35'	20° E	1° 43'	160° 46'	160° 46' W

Journal from San Francisco

towards Mex Bayak River

FORM NO. 1
LOUIS WEULE CO.
6 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Thur 19 th day of
2								
3								
4	29		N x N	N x N	1 st			Fresh Breeze with
5								Heavy snow squalls
6	15		N x S	N x N	"			at times
7								
8	13		N x S & S	"	"			light sails fast
9								
10								
11	24		N x S	"	3/4 th			No change
12								
1								
2								
3								
4	28		S x N	N x N	"			In company with two
5								ships and a bark
6								
7	16		"	"	"		29.81	Pumps side lights
8								and lookouts attend to
9								26 days out
10								
11								
12	17		NNE	NW	"			

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	107	0° 8'	16.0	52° 43'	Nom	20° E	2° 36'	163° 42'	Obscure

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Sat 11 th day of May 1912
2								
3								
4	13		NNE	NW	1 st			Strong wind with snow
5								squalls
6	16		S x S	N x N	"			choppy sea with the
7								wind
8	11		"	"	"			
9								
10								
11								
12	17		"	"	"			Strong wind Heavy
1								snow squalls
2								light sails fast
3								
4	7		S x S & S	West	"		29.77	Heard ship
5								
6								
7								
8	13		North	N x N	1 st			5 in water in pump
9								hall
10	5		N x E	"	"			lights and
11								lookouts attend to
12	12		S x S	"	"			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.
0° 21'	24.6	52° 32'	52° 40'	20° E	0° 41'	164° 21'	164° 35'	163° 47'	Obscure

Journal from San Francisco

towards Mex Bayak River

FORM NO. 1
LOUIS WEULE CO.
6 CALIFORNIA STREET
SAN FRANCISCO, CAL.

K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1							Sun 12 th day of May 1912
2							
3							
4	5	S x N	West	1/2 nd			First and middle part
5							moderate breeze cloudy
6	5	North	"	"			weather sea smooth
7							
8	22	North	N x N	"			
9							
10							
11	18	N x N	West	"			
12							
1							
2							
3							
4	18	N 1/2 W	"	"			Lighted Ugumak Isd in
5							NW 35 miles clearing at times
6							
7							Camp's side lights and
8							lookouts attend to
9							
10							
11							
12							

at noon Ugumak Isd bearing NW 30 miles
calm and heavy 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.
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K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1							Mon 13 th day of May 1912
2							
3							
4							at 5 ^{pm} spoke cutter mauling
5							Ugumak Isd bearing West 15 miles then got a light
6							at 8 ^{pm} Ugumak Isd in S x N and Scotch cap light
7							in N x W 1/2 W course NW 30 moderate breeze from SE cloudy
8							sea smooth
9							
10							
11							at 2 am (above date) Cape Strickland bearing E x S 17 miles
12							from there I take the departure
1							
2							Towards latter part blowing
3							up a gale and heavy valleys
4	22	North S x E	0				from shore at noon being
5							for lower topsails
6							inner jib blown away
7							
8	38	NE x N	E x S	1/2			Pumps side lights and
9							lookouts attend to
10							
11							
12	29	NE 1/2 N	"	1 st			29 days out (at will)

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				55° 51' N	Nom			163° 47'	Obscure

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									
2									
3									
4	17		NNE	East	3 rd				Blowing a gale with heavy squalls terrific force
5									Sailing for the lower
6									Lapsails Sea Rough
7									In company with two
8	14		N x E 1/2 E	"	"				Barks
9									
10									simulib blowed away
11									
12	10		N x E	"	"			29.87	No change
1									
2									
3									
4	9		N x N 1/2 N	East x S	"				Wind moderating
5									Sea going down
6									Set more sails
7									Pumped Lida lights
8	6		"	"	"				and Lookouts alluded to
9									
10									
11									
12	6		N x N	"	"			29.99	30 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 7° E	62	1° 2'	7.6	56° 53'	57° 01'	18° E	0° 14'	163° 33'	163° 36'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
									13 th day of May 1912
1									
2									
3									
4	11	NE	ESE	1 st					Very light - wind all throughout
5									Partly clear
6	7	NE 1/2 E	..	1					
7									all sails set
8	2	NE x E	SE x E	..					
9									
10									
11									
12	8	NE	ESE	1/2			30.16		later part variable wind and calm all times
1									
2									
3									
4	12	NE 1/2 E	..	..					
5									
6									
7									
8	13	E NE	SE	..					Principally under lights and lookouts all to
9									
10									31 days out
11									
12	17	..	..	..					

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 70° E	70	0° 24'	65.4	57° 26'	57° 28'	18° E	2° 00'	161° 32'	161° 28'

K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
					Air	Water		
								Thurs 16 th day of May 1912
8		By N $\frac{1}{2}$ N	Easterly and calm	at times				First and middle part light wind and calm at times Sea smooth all sails set
7		SE $\frac{1}{2}$ S	ENE	$\frac{1}{2}$ pt				
11		SE	..	..				
15		SE	..	..				
5		ESE	NE	..				Later part strong wind light sails fast Sea Rough
12		SE $\frac{1}{2}$ E	..	..				
Capt Smiavin bearing SE 30 miles Pumps Side Lights and Lookouts all to 32 days out								

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Obs.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Obs.
					35° 08'				159° 52'

K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
					Air	Water		
								Fri 17 th day of May 1912
23		NE 1/4 N	ES 6	1/4"				
5		NE	"					
7		NE x E	"					
12		NE	"	"				
8		NE 1/4 E						
13		NNW						
Spoke Steamer Kodiak calm and low cape grey in E 1/4 S dist 18 miles at noon took top line of Steamer Kodiak calm at 7th 15th came to anchor off St Nicolas Hill in 10 fathom water 45 fathom chain this ends the passage in 33 1/2 hrs								

[illegible]

	H K F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
					Air	Water		
1	Sal	18 th	May	1912				Sal. 18 th day of May 1912
2								at 6 ³⁰ am Spahr Steamer Nushagak
3								Passed gut to look for Rock Star
4								of Iceland
5								at 10 th am Steamer Nushagak Look Ship
6								in Tow up River Run with light S
7								Wind clear at Noon It is not
8								seen any ice as yet any where
9								at 2 nd pm come to anchor of clark
10								Canary anchored in 9 fathom of
11								Water 4 1/2 fathom of chain
12	Sun	19 th						No work to day bring sand ore
2								moderately N E wind with light
3								Rain at am cloudy at pm
4	Mon	20 th						at 6 th am Star of Iceland come to
6								anchor of clark in Tow of Steamer
7								Nushagak calm and cloudy
8								and the mongolians in store
9								an canary ship and some
10								Lishgonian
11								unbent some sails.
12								

[illegible]

H K F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS	day of
				Air	Water			
Tues 21 st	May 1912							
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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K F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
				Air	Water		
26 th May							Sun 26 th day of May 1912 No work to day being Sunday Aft at old day light variable wind Partly clear
27 th May							4 ³⁰ am Started to unload Lumber and Put- Naw four fighting Boats overboard quite at 4 pm light to wind cloudy misty weather 29.75.
28 th May							6 am Started to unload Lumber and Took Down Boyl and gallant yards. quite at 4 pm moderate N.E. breeze with light rain at times
29 th May							6 am Started to unload Lumber at 11 am finished loading lighter Hovving strong N.E. wind at am and increased to a gale at Pm looking looking
30 th May							at 5 ³⁰ am started to unload Lumber finished decharg- ing Lumber at 10 ⁴ am Dold Sails and unbent and Put away all at evening clear and Dry weather at day calm at am light- north wind at Pm

[illegible]

K F	COURSES	WINDS	LEEWAY	Thermometer		Baromete	REMARKS	day of
				Air	Water			
ri 31 st	Tag	To day	Put swivel in the anchor chains and power Rigging work and Repairing	Clear Pleasant weather all day	With light NE wind			
et 1 st	June	even	Selling up fore Topmast Backstays and Repairing sails	Light North wind	Clear Pleasant weather all day			
in 2 nd	June	No work	To day	Keeping Holiday	Strong NE wind cloudy weather			
Mon 3 rd	June	All hands	left ship and I took charge of Steamer Hilda at Clarke Cannery					

Course	Distance	Dif. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Dif. of Lon.	Lon. by D. R.	Lon. by Ob.
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Journal from Log in Nushagak towards River

FORM NO. 1
LOUIS WEULE CO.
6 CALIFORNIA STREET
SAN FRANCISCO, CAL.

FORM NO. 1
LOUIS WEULE CO.
6 CALIFORNIA STREET
SAN FRANCISCO, CAL.

Journal from Log in Nushagak towards River

H K F COURSES WINDS LEEWAY Thermometer Barometer REMARKS Tuesday day of 6 August 1912

1st Look in 1685 cases of canned Salmon amount in Ship 16065 cases from Scandinavian cannery ship brought aft 17.2 feet forward 16.4 feet at 2nd pm started of in Lorr of Steamer Nushagak down River for clarks cannery 4th come to anchor at clarks in 8 fathom water and 60 fathom of chain on ~~the~~ anchor fresh 16 wind with Rain

2nd Look in 1655 cases of canned Salmon moderate North Wind with Rain at times

3rd at am Look in 1240 cases of Salmon at pm unloaded 1154 Bags of salt light East Wind with light Rain at times

4th To day Look up the two gallant and Royal yards Rain Part of day with NE Wind

5th To day Look in 1725 cases of canned Salmon light air from East Partly clear Channel Ship at pm

6th To day Keeping Holiday Sunday, light North Wind with light Rain showers at times.

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

1st at 6 am started to unload salt Look out 1892 sacks all on board makes at total 2246 Sacks Bent sails and Look in 2475 Cases of canned Salmon calm and cloudy at day

2nd Freshened Bending sails and Look in 1250 cases of Salmon moderate S winds at am blowing up again towards morning with Rain and during the night 8 pm Bar 29.65

3rd No work To day Look This day for Holiday Blowing yet hard at am calm at pm with continuous Rain

4th To day Look in 6025 Cases of canned Salmon unmoved Ship and bound stock on Port anchor broke, now lying for Starboard anchor and 60 fathom chain light South Wind cloudy weather

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 Fri 16 day of August 1912

16th Look in 1685 cases of canned Salmon amount in Ship 16065 cases from Scandinavian cannery ship brought aft 17.2 feet forward 16.4 feet at 2nd pm started of in Lorr of Steamer Nushagak down River for clarks cannery 4th come to anchor at clarks in 8 fathom water and 60 fathom of chain on ~~the~~ anchor fresh 16 wind with Rain

17th This day the Rarp Sabath is short Fresh SE Wind with Rain showers at 3rd am Ship Bakemia left for sea also ship Standard.

18th To day Put in a new anchor Stock on Port anchor and Look 5310 cases of canned Salmon Fresh and moderate Breeze cloudy weather

19th at 5th am started to take in Salmon cases Look in 6198 cases Fresh East Wind with some Rain showers Freshened in Lorr had amount 27578 cases

20th at 6th am got at the China help on board and at the cargo unboard amount 30519 cases of canned Salmon Ships brought aft 20.4 forward 19.7

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

During the day got all the Fishermen on board and made Ready Look in Fresh water and supply

21st Aug 1912 at 6 am started of in Lorr of Steamer Nushagak down River Fresh SE Wind cloudy weather half flood tide at 11th am let go tow line had all sails set capstern bearing West 13 miles ships heading SE x E Wind SE W now making short tacks out and work the lead and sounding

22nd Lat. 54° 52' N and 20 miles of Ugashik moderate SW Wind cloudy misty weather 20 fathom water

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 Kuskagak River towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									23 rd day of Aug 1914
2									
3									
4	18		S 2 E	SW	1/2 pt				
5									
6									
7	19		SW	"	"				Tacked Ship
8									
9									
10									Moderate and Fresh
11									Breeze at throughout
12	17		NNW	"	"	40° N deviation			cloudy weather all sails set
1									
2									
3	12		SW	SW x W	"	"	"		Tacked Ship
4	5		S 2 E	W x W	"	"	"		
5									
6									at noon Black Peak made
7									in S 2 E 8 miles off shore
8	30		S 2 E	"	"				
9									
10									2 days out
11									
12	31		S x E	"	"				Tacked Ship
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									24 th day of Aug 1914
2									deviation
3									
4	23		NNW	W x W	1/2 pt	40° N	30.55		
5									
6									
7									
8	25		W x W	"	"	5 "			Tacked Ship
9	3		"	"	"				
10									
11									
12	20		South	"	"	2° E			at noon Cape Seniavin
1									in S 2 E 14 miles
2									
3									cloudy weather with
4	19		S x W	"	"	4 "			moderate and light
5									wind at throughout
6									
7									
8	20		S x W 1/2 W	"	"	6° E	30.63		Sounding Pump 6 inches
9									lights and Lookouts
10									all to
11									
12	25		S x W	"	"	4 "	30.70		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.
30° W	43	0° 34'	25.8	56° 35'	observed	19° E	0.07	19° 53'	

Journal from Kuskagak River towards San Francisco

K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
					Air	Water		
								Sun 25 th day of Aug 1914
7		South	W S W	1/2				Tacked Ship Cape Seniavin in E x S dist 15 miles
12		N x W	W x W	..				Tacked Ship all sails set moderate Breeze cloudy
								Now making short tacks

Journal from Nushagak River towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
								Tues 27 day of Aug 1912
1								arrived Isl in E x N 1/4 N magnetic 20 miles
2								
3								cloudy weather
4	14		SW	ESE	0			Wind unsteady in force and direction
5								
6								
7								
8	20		SW	ESE				change course
9	4		SW	"				
10	5		SW	SE				
11								
12	5		SW	SE				
1								
2								
3								
4	10		W x S 1/2 S	South	1/2			variable wind cloudy misty at times
5								
6								
7								
8								
9	14		SW 1/2 S	SE				
10								
11								
12	12		SE	SW				6 days out

Journal from Nushagak River towards S L

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
								Thurs 29 day of Aug 1912
1								
2								
3								
4	36		E x N 1/4 N	Walt	0			Moderate Breeze clear sea moderate west all sails set
5								
6								
7								
8	32		E x N	"	"			At Pm Ship Berlin passed Bark to North and Eastward of
9								no change.
10								
11	27		E 1/2 N	NW	"			
12								
1								
2								
3								
4	26		East	Walt	"			Wind more light
5								
6								
7								
8	26		"	NW	"			Lights and Lookouts attended to
9								
10								
11								
12	22		E 1/2 N	NW	"			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.
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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 Ob.
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H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
								Wed 28 day of Aug 1912
1	1		AKun Head in in S x W 10'	cloudy all				sails set Fresh Breeze
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	17		SW x E 1/2 E	SW				Part Bark Berlin and or 7 or 8 in the Pass
1								
2								
3								
4	27		SE x E	Walt				Sounded Pump all Time Sides lights and Lookouts all to
5								
6								
7								
8								
9								
10								
11								
12	29		E x N	"				7 days out

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
								Fri 30 day of Aug 1912
1								
2								
3								
4	21		E 1/2 N	NW	0			Moderate Breeze clear weather sea moderate with the wind all sails set - jibs
5								
6								
7								
8	14		E 1/2 S	N x S	"			No change
9								
10								
11								
12	21		"	"	"			
1								
2								
3								
4	28		"	"	"			
5								
6	14		E x S 1/2 S	"	"			Lights and Lookouts attended to
7								
8	22		E x N	Walt	"			
9	3		"	"	"			
10								
11								
12	20		E x S 1/2 S	N x S	"			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.
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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 Ob.
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Journal from Nushagak River towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
								Sat 31 st day of Aug 1912
1								
2								
3								
4	30		E x S E S	W x N	0		30.30	Moderate breeze and fresh clear weather all square sails set at throughout
5								
6	12		"	"	"			
7								
8	16		E x S	N x W				
9								
10	19		"	"	"			
11								
12	12		E x S	N x W	"			
1								
2								
3								
4	26		"	"	"			
5								
6								Lights and lookouts all to
7								
8	26		"	"	"			
9								
10	14		"	"	"			10 days out
11								
12	14		E x S	"	"		30.41	Devil 2 nd

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	169	1° 24'	144.9	50° 34'	obscure	22° E	3° 58'	150° 23'	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
								Sun 1 st day of Sept 1912
1								
2								
3								
4	32		E x S	N x W	0			
5								
6	18		"	"	"			Fresh Breeze at throughout clear at times
7								
8	14		E x S	"	"			
9								
10								
11								
12	34		East	N x S	"		30.36	Big Sea with the Wind to Gallant Backstay carried away Put Table on it all square sails set
1								
2								
3								
4	37		"	"	"			
5								
6								
7								
8	40		"	"	"			Pump well is in water lights and lookouts all to
9								
10								
11								
12	37		"	"	"			11 days out 2 nd

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	211	1° 23'	194.8	49° 01'	48° 18'	22° E	4° 58'	145° 33'	145° 25'

Journal from Nushagak River towards San Francisco

K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
							Sun 1 st day of Sept 1912
1							
2							
3							
4	40	East	N x W	0			Fresh Breeze all throughout
5							
6							
7							
8	40	"	"	"		30.36	No change
9							
10							
11	39	"	"	"			From Sept 2 nd 1912
12							
1							
2							
3							
4	40	"	"	"			
5							
6							
7							
8	34	"	N x W	"			Lights and lookouts all to
9							
10							
11							
12	37	"	"	"			12 days out 2 nd

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	230	1° 29'	216.1	47° 19'	47° 13'	22° E	5° 23'	140° 02'	140° 12'

K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
							Tues 3 rd day of Sept 1912
1							
2							
3							
4	38	East	N x W	0		30.50	Unsteady Wind in force and direction cloudy misty weather all sails set
5							
6							
7							
8							
9							
10							
11							
12							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
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10							
11							
12							
1							
2							

Journal from *Stuslag R. River* towards *San Francisco*

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Wed 4 th day of Sept 1912
2									
3									
4	28		E x S	West	0				Light variable W
5									with Rain and
6	12		ESE	"	"				mist
7									
8	12		E x S	"	"				
9									
10									all throughout
11									all sails set
12	22		"	"	"				moderate West
1									Small Right along
2									
3									
4	26		"	"	"				
5									
6									
7									Sounded Pump on
8	38		"	SW	"				found to be
9									7 in
10	17		"	"	"				Lights and
11									Lookouts att to
12	20		ESE	"	"				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.
S 56° E	171	1° 36'	1409	44° 26'	44° 26'	21° E	3° 19'	132° 43'	132° 43'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Thurs 5 th day of Aug 1912
2									
3									
4	36		ESE	W x W	0				Strong wind with Rain
5									Squalls at times
6									Unsteady in force
7									But steady in
8	31		"	"	"				direction
9									
10									all throughout
11									
12	31		"	"	"				all sails set
1									
2									
3									
4	24		"	"	"				
5									
6									Lights and
7									Lookouts all to
8	24		"	"	"				
9									
10									15 days out
11									
12	23		"	"	"				Dr 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.
S 53° E	170	1° 43'	135.8	42° 23'	42° 19'	21° E	3° 19'	129° 24'	129° 24'

Journal from *Stuslag R. River* towards *San Francisco*

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Fri 6 th day of Aug 1912
2									
3									
4	20		ESE	SW	0				First and middle
5									Part of this 24 hours
6									moderate breeze
7									with Rain squalls
8	20		"	"	"			29.97	
9									
10									
11	10		E x S 1/2 S	South	1/2				latter part clear and
12									very light air, moderate
1									nm swell
2									
3									all sails set
4	10		"	"	"				
5									
6									
7	8		E 1/2 S	"	"				Pumps side lights
8									and Lookouts att to
9									
10									
11									16 days out
12	9		E x N	SW	"				

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 56° E	171	1° 36'	1409	44° 26'	44° 26'	21° E	3° 19'	132° 43'	132° 43'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									
2									
3									
4	8		E 1/2 S	SW	1/4			30.09	Light variable air
5									all throughout
6	5		E x S	"	"				
7									clear weather
8	8		E x S 1/2 S	South	"				all sails set to best
9									advantage
10									
11									
12	6		S x E	North	0				Lat 7 th Sept 1912
1									
2									
3									
4	10		"	SW	"				
5									
6									Sounded Pump well
7									7 in
8	10		"	"	"				Lights and
9									Lookouts all to
10									
11									17 days out
12	11		"	"	"				W 4" Dr

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	170	1° 43'	135.8	42° 23'	42° 19'	21° E	3° 19'	129° 24'	129° 24'

Journal from Kuskaguk River towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS	day of
						Air	Water			
1									deviation	
2										
3										
4	15		S 6 x E	SW	0	4.00				light wind clear weather Sun smooth
5										
6										
7										all sails set to best advantage
8	13		"	WNW	"	"	"	30.25		
9										
10										
11										
12	19		"	"	"	"	"			Sun 8 th Sept 1912
1										
2										
3										
4	22		"	"	"	"	"			No change
5										
6										
7										side lights and look out attended to
8	16		"	"	"	"	"			
9										
10	10		"	"	"	"	"			18 days out
11										
12	14		S 6 x E 1/2 E	NW	"	3.00	"			

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 43° E	109	1° 20'	74.0	39° 29'	39° 25'	18° E	1° 36'	125° 26'	125°

	H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS	day of
							Air	Water			
1											
2	11			SE x E ½ E	NW	0	-			Fresh Wind	
3											
4	24			E x E	"	"				Clear Weather	
5										All sails set -	
6	20			"	"	"			30.25	Moderate NW Sea	
7	1			E x S ½ S	"	"					
8											
9	13			ESE	"	"					
10											
11											
12	32			"	"	"					
1										Mon 9 th Sept 1912	
2											
3											
4	18			"	"	"					
5											
6											
7											
8											
9											
10											
11											
12											

at 6th run Lighted North Farallone in SE 10
light rrrr wind Hazy over the shore
In company with Star of Iceland

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
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Journal from 10.11.1941 towards 10.12.1941

K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
					Air	Water		
								<i>Mon 9th Sept 1914</i> <i>At 8 am Pt Rye Reyes in sight</i> <i>South Farallon in sight</i> <i>light wind from WNW heavy weather</i> <i>Ship heading E.S.</i> <i>In company with Bark Star of Iceland</i> <i>At 2³⁰ pm got in tow of tug San Juan</i> <i>light vessel in S. 2 miles very</i> <i>light air from NW clear weather Sea</i> <i>smooth</i> <i>all hands well no sickness on board</i> <i>at 5³⁰ pm come to anchor off Union</i> <i>Iron works Starboard anchor 30 fathoms</i> <i>at chain sails fast and all the people</i> <i>went in shore kept 10 mate Stillman</i> <i>and second mate Bruce</i> <i>Riding lights attached to and night</i> <i>watchman</i> <i>That ends the voyage</i> <i>18 1/2 days</i>

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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[illegible]

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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H K F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS	day of
				Air	Water			
1	Wate	Came on Board Monday	on March. 31. 1913					
2	at 9. A.M.		The Bark Star of India					
3			was towed from Alameda					
4			Papa and Taltah's Lumber					
5			where she was docked at					
6			9. A.M. same date					
7			Longshoreman came on					
8			rigged up gear on coming					
9			loading lumber up to					
10			5. P.M.					
11								
12	April 1 st	1913. Ship at Papa and Taltah's Lumber yard						
1	at foot of West and Barry	continued loading						
2	lumber from 7. A.M. until	6. P.M.						
3								
4	April 2 nd	Longshoreman loading lumber until						
5	4. P.M. then commenced to take in 50 tons							
6	of salt ship Drifting forward. 14-6. apt-16-9							
7	watchman on Board							
8								
9	April. Thursday 3 rd	8. A.M. Finishing taking on fifty tons						
10	of salt and continued with lumber until 5. P.M.							
11	Drifting apt-17-7. ft. forward 18-3							
12								

K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
					Air	Water		
								Sea Runn from along Side at the Singing of hands at 4 a.m. got low in an Boats lowered up to Sea at 11.30 a.m. all sail set Main Drought 19.3 aft-18.3 Forward at 8 P.M. South. Farallam Light Bearing E + S. $\frac{3}{4}$ S and P. t. Rises N.E. By. cross Bearing from there J. Take my Departure 15 miles Lag. 88 Pump well and light should to

[illegible]

K	F	COURSES	WINDS	LEEWAY	Thermometer		Baromete	REMARKS
					Air	Water		
								Sat-12 day of 19-18
		W. 1/2 N South						Southaly Shells
		W 8	S					Taken Light Sail
8		W. S. W	S.					Tacked Ship 1. Per Calmy weather with heavy small seas S. W all sails set Light wind Clear day out

towards Nushagak River, Alaska

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									
2									
3									
4	24		S + W	N + S	1/2				Light Wind and hazy
5									
6									
7									
8	18		S. W	N. W. W	1. Point				Wind freshening from N. W. W Clear
9									
10									
11									
12	25		S. W 1/4 W	"	3/4				Smooth Sea.
1									
2									
3									
4	24		S. W	"	1/2				all sails set
5									
6									
7									
8	21		S. S. W	West	1/4				
9									
10									
11									
12	19		S x W	W x S.	1/2				Third Day out

K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
					Air	Water		
								Tues April day of 16: 1913
19		W+S 1/2 S	N.N.W	1				Nestly Rough Swells Slip Bruge with Squal. En interwell
15		W + S.	N.N.W	1				at 7 P.M. took in mainsail and fore main Topsail Spunker and jib main Tops mast stay sail and blowing very hard
16		W x S 1/2 S	" "	1 P				and of 5 fop
16		W S W	" "	1 P				
17		W.S.W		1 1/2				
18		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.
S. 60. W	118	48	94.4	37° 6'	37° 08'	19° E	1° 03'	124° 50'	124

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	100	14	99	37° 06'	37° 02'	19	2° 2'	130° 39'	130° 24' 15"

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									
2									
3									
4	10	S x E	S. W	1/2					Tacked Ship at 5:40
5									light wind from S.
6									
7									
8	10	N W x W 1/2 W	" "	1/2					Fresh wind cloudy
9									to be in the light
10									Sail
11									
12	21	N 1/2 E	S x W	1/4					
1									
2									commencing to Rain
3									Wind from South
4	32	N x E	South	1/4					
5									
6									Tacked Ship 11:30 a.m.
7									Wind hald to N. W
8	32	W + S	" "	1/4					
9									4. Days acct
10									
11									
12		W + S 1/4 S	N. W	1/2					

K	F	COURSES	WINDS	LEEWAY	Thermometer		Baromete	REMARKS
					Air	Water		
								Wed April 16 day of 1913
								at 1. P.m Set the Top Sails and the wind are moderating at 3. P.m Set the main Sail
17		N x S 1/2 S	N. by N	1/2				
								at 6. P.m Set the mizzen miz. Stay Sail and the main the gaffent Sail covering down
13		N. S. W	N. W	1/4				
23		N. S. W	N. W	1/2				
								over cast with fine Rain
20		S. W x W	N. W x W	1/4				
18		N. S. W	N. W	1/4				Light Wind and all sail Set and of 6th Day
19		S. W x S	N. W x W	1/4				

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
87	116	18	119	37 19		48	2 27	128	

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
3 rd 12	116	14	116	36° 48'	36° 44'	17	2° 26'	132° 50'	None

Journal from *San Francisco* towards *Nushagak River*FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Thue 17 th day of April 1913
2								
3								
4	4		S 1/2 E	W S W	1/4			Tacked ship at 4.30 P.M. mine falling to wards South Wind light overcast
5								
6								
7								
8	18		W 1/2 N	S + W	1/4			Tacked ship 2 P.M. light Wind with heavy Rain Squalls at time.
9								
10								
11								
12	33		West	S + W	1/4			
1								
2								
3								
4	12		W 1/2 N	S S W	1/4			Cloudy smooth sea
5								
6								
7								
8	14		S W x S	W N W	1/2			
9								
10								
11								
12	2		South	W x S 1/2 S	1/2			and of 7. 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.
S. 80° W	66	11	65	36° 55' N	36° 48'	17 E	1° 20	134° 05' W	134° 07'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Fri 18 th day of April 1913
2								
3								
4	11		N. N. W	W + S	1/4			Tacked ship at 5 P.M. cloudy with Rain Squalls
5								
6								
7								
8	17		N. 1/2 W.	W + N	1/2			Set small sail Tacked Ship at 3 P.M. Fresh Breeze
9								
10								
11								
12	14		S 1/2 W	W + S	1/2			
1								
2								
3								
4	23		S + W	" "	1/2			2.40 P.M. Tacked ship Set all sail
5								
6								
7								
8	35		S. S. W	" "	1/4			
9								
10								
11								
12	26		S. S. W	" "	1/4			and of 8. 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.
S. 65° W	48	21.9	42.8	36° 26'	36° 09'	17 E	53	134° 59'	134° 50'

Journal from *San Francisco* towards *Nushagak River*FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Sat 19 th day of April 1913.
2								
3								
4	27		S. W x S 1/4 S.	W x N	1/4			Wind increasing but clear all sail set
5								
6								
7								
8	20		S + W.	W + S.	1/4			
9								
10								
11								Lighted the Star of Jeelane Calat at time
12	8		S + W 1/2 W.	W + S	1/4			
1								
2								
3								
4	2		S. S. W	W x S				Wind increasing from the South over east and of the 9 Day
5								
6								
7								
8	5		West	South				
9								
10								
11								
12	10		West	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.
S 45° W	58	41	41	36° 39'	35° 46'	17 E	50	135° 52'	136° 07'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Sun. 20 th day of April 20 th 1913
2								
3								
4	23		N. W	S + W				
5								
6								
7								Misty Light Breeze Tacked Ship at 7 P.M.
8	11		North	W + N				
9								
10								Misty Cloudy Squalls in intervals Light Breezes
11								
12								
1	18		S. W x S	W N W				
2								
3								
4	14		S. W 3/4 W	N. W.				Squally weather with Big Squalls from S. W. Wind freshening
5								
6								
7								
8	25		W. S. W.	N. W. + N				Star of Jeelane and are toward Side about 10 miles 10 Days out
9								
10								
11								
12	27		West	N x 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 77° W	61	13	59	36° 4'	36° 11'	17 E	1° 14	137° 52'	137° 52'

Journal from San Francisco towards Nushagak River

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Mon 21 st day of April 1913
2									
3									
4	28		W + 1/2 N	North	1/4				Big. Nesting Swells
5									
6									
7									
8	24		N. N. W.	N. N. E.	-				
9									
10									
11									
12	17		N. N. W.	N. E.	-				Light Wind and sunset
1									
2									
3									
4	13		N. N. W.	E + N	-				
5									
6									
7									
8	13		N. N. W.	E + S.	-				Light Wind and clear
9									11. Days out
10									
11									
12	14		N. N. W.	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.
N 53° W	96	53	76	37° 08'	37° 14'	178	1° 36'	139° 28'	139° 30'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Tue 22 nd day of April 1913
2									
3									
4	14		N + N 1/2 N	S. E.	-				S. E. and light wind
5									
6									
7									
8	9		W + N	" "	-				cloudy Wind very light
9									
10									
11									
12	4		N. N. W.	" "	-				now change
1									
2									
3									
4	15		W + N	" "	-				Freshening up from S. E.
5									
6									
7									
8	39		W. N. W.	" "	-				overcast with mist
9									light and look out at anchor
10									12. Days out
11									
12	28		W + 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.
N 56° W	107	1° 01'	89-6	38° 23'	38° 41'	178	1° 47'	141° 37'	

Journal from San Francisco towards Nushagak River

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Wed 23 rd day of April 1913
2									
3									
4	22		W. N. W.	S. E.	-				This Day commenced with
5									very light wind at times
6									Wind falling toward South
7									overcast with fine mist at
8	23		N. N. W.	S. S. E.	-				times Sea smooth
9									light and look out
10									attended to
11									13 Days out
12	31		W. N. W.	S. S. E.	-				
1									
2									
3									
4	32		W. N. W.	South	-				
5									
6									
7									
8	34		N. N. W.	S. S. W.	-				
9									
10									
11									
12			W. S. W.	N. W. 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.
N 51° W	142	1° 50'	104	40° 18'	40° 27'	18 E	2° 12'	143° 33'	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	16		S. S. W.	N. W.					Thu 24 th day of April 1913
2									
3									
4									This Day begins with
5									rain from light
6									squally at times and
7									S. W. Swells wind haled
8	18		S. W. S.	N. W. W.	"				to wards N. W. and clear
9									now change
10									
11									
12	14		S. 1/4 E	N. W. W.	"				Tacked ship at 11. P. M. Wind
1									freshing up from the West
2									took in the light sail
3									and the gullant sail also
4	23		N 1/2 W	W + N	" "				light and look out
5									attended to
6									14. Days out
7									
8	21		North	W x N	1/2				
9									
10									
11									
12			N 1/2 W	W x N	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.
19° W	49	31.4	21.8	40° 58'	41° 10'	18 E	28'	144° 2'	143° 58'

Journal from San Francisco towards Nuskagah River

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									This Day Begins with
2									Strong Westerly Wind
3									at 3 P.M. Take in the main
4	16		N 1/2 W	W + N	1/2				Sail Wind increasing
5									and visible in squalls
6									at 8 P.M. Take in the
7									top sail and jib and
8	17		N 1/2 E	W.N.W	1/2				set the main top
9									most stay sail. Some
10									heavy rain squalls
11									fasting at time
12	7		N 1/2 W	W + N	1/2				Pumps light and lookout
1									attended to
2									15. Day out
3									
4	9		North	W + N	1/2				
5									
6									
7									
8	10		S W 1/4 S		1/2				
9									
10									
11									
12	13		S.W 1/2 S		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 7. W	40	40	8.1	41° 47'	41° 45'	18. E	11'	143° 02'	143° 38'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									This Day
2									commenced with
3									heavy hail squalls
4	16		S. W	N.W + W	1/2				from the West
5									Towards the morning
6									Wind moderate Sea
7									gaining Dawn Set the
8	16		S.W 1/2 S	N.W + W	1/2				top sail main sail jib
9									Wind falling towards N.W.
10									Setting the two gallant
11									sail
12	16		S.W 1/2 S	N.W + W	1/2				overcast wind freshing
1									up from West took in
2									the two gallant sail
3									light and lookout
4	17		S. W	N.W + W	1/2				attended to.
5									16. Days out
6									
7									
8	17		S + W 1/2 W	W + S	1/2				
9									
10									
11									
12	18		S. S. W	W + N	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. 44 W	92	13.4	69.8	40° 32'	40° 34'	18. E	1° 32'	145° 26'	—

Journal from San Francisco towards Nuskagah River

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lag at noon 41
2									This Day commenced with
3	8		S + W	W 1/2 S	1/2				light Wind. Smooth Sea
4									at 2 P.M. Tacked Ship
5									
6									
7									
8	8		North	W + N	1/2				
9									
10									
11									
12	6		North	W + N	1/2				
1									
2									
3									
4	19		N + E	W.N.W	1/2				at 3.2. M Tacked Ship
5									Wind very light. overcast
6									Light and lookout.
7									attended to
8	8		N. N. E	N.W + N	1/2				17. Day out
9									
10									
11									
12	3		W + S	N.W + N	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.
25. E	31	28.1	13.7	41° 2'	40° 58'	18. E	18'	145° 8'	145° 13'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									30.68 Lag at noon 100.
2									
3									
4									This commenced with
5									calm and cloudy
6									all sail set.
7									
8	5		W. N. W	East	—				
9									
10									Breezing up from the
11									East Smooth and clear
12	16		W. N. W	E + S	—				weather all sail set from
1									5. To 6. knots
2									
3									
4	22		W. N. W	E. S. E	—				now change gentle breeze
5									Smooth Sea Blue sky
6									all sail set
7									18. Days out
8	22		W. N. W	" "	" "				
9									
10									
11									
12	22		W. N. 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.
57. W	93	14.3	56	41° 53'	42° 07'	19. E	68'	146° 49'	146° 34'

Journal from San Francisco towards Muskogah River

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									
2								30.64	Lag at noon 31
3									
4	24		W.N.W	S.S.E					This Day commencing with fair clear weather and moderate breezes and all sail set
5									
6									
7									
8	26		W.N.W	S.S.E					
9									
10									
11									
12	36		W.N.W	S.S.E					During the night the wind hauled towards the South with stiff breezes
1									
2									
3									
4	37		W.N.W	S.S.E					Towards morning it commencing with misty weather
5									
6									
7									
8	33		W.N.W	S.E					Pomps light and look out attended to
9									19 Days out
10									
11									
12	34		W.N.W	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 40° W	191	111	111	44° 22'	—	19° E	2° 32'	149° 38'	—

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1								30.62	Lag at noon was 17.
2									
3									
4	39		W.N.W	S.S.E					This Days commencing with cloudy weather and lazy at times and stiff breezes
5									
6									
7									
8	28		W.N.W	South					Wind is getting light heavy fog settling in wind haling towards S.W
9									
10									
11									
12	27		W.N.W	South					light Wind fog with drizzling rain light and look out attended to
1									20 Days out
2									
3									
4	31		W.N.W	S.S.W					
5									
6									
7									
8	27		W.N.W	S.S.W	1/4				
9									
10									
11									
12	28		W.N.W	S.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 48° W	181	121	124	46° 23'	46° 21'	19° E	3° 06'	152° 45'	—

Journal from San Francisco towards Muskogah River

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1								30.57	Lag at noon 27
2									
3									
4	23		N.W + W/2W	SW + W					This Day commencing with foggy weather and gentle breezes westerly Swells settling in
5									
6									
7									
8	18		N.W + W/2W	SW + W					
9									
10									Wind are getting light heavy fog and drizzling rain continuously all night
11									
12	20		N.W + W/2W	SW + W					
1									
2									
3									
4	10		N.W + W	S.W					Foggy and calm
5									Tacked ship at 7.30 a.m. Breezing up from N.E and it is getting clear weather all sail set
6									Light and look out attended to
7									21 Days out
8	2		N.W + W	S.W					
9									
10									
11									
12	20		W.N.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.
N 43° W	94	1° 8'	64.2	47° 28'	47° 34'	19° E	1° 4'	153° 30'	—

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1								30.60	Lag at noon was 56.
2									This Day commencing with moderate breeze from N.E and overcast
3									
4	27		W.N.W	N + E					
5									
6									
7									
8	33		W + N 1/4 N	" "					1 P.M. Took in the Royal and Flying jib moderate breezes
9									ugly appearance of weather from north commencing to rain
10									During the night towards 4 a.m. Lighted up with strong breezes smooth sea and clear
11									light and look out attended to
12	24		W.N.W	" "					22 Days out
1									
2									
3									
4	22		W + N 1/4 N	" "					
5									
6									
7									
8	29		W 3/4 N	North					
9									
10									
11									
12	24		W + 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.
N 56° W	168	1° 33'	138.1	49° 8'	49° 16'	19° E	3° 4'	156° 58'	156° 23'

Journal from San Francisco towards Nushagak River

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									
2									
3									
4	28		N 3/4 N	N.E. 1/2	-				Lag at noon was 24 This Day commencing with clear weather strong breezes from the north
5									
6									
7									
8	19		N 1/2 N	"	"				ugly appearance of weather took in the Gallant sail wind variable towards 4 P.M.
9									
10									
11									
12			N 1/2 N	"	"				The wind getting light from the north setting all sails
1	17								
2									
3									
4	19		West	"	"				overcast smooth sea light and lookout attended to
5									
6									
7									
8	19		West	"	"				23 Days out.
9									
10									
11									
12	19		West	"	"				

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 68° W	100	37.3	92.4	49° 53'	49° 58'	19° E	2° 22'	158° 56'	159° 07'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									
2									
3									
4	9		North	N.W. 1/2					Lag at noon was 38 This Day commencing with light wind from the west and cloudy
5									
6									
7									
8	15		N.W. 1/2 W	W.S.W. 1/4					Moderate wind from S.W. Drizzling rain took in the light sails
9									
10									
11									
12	24		N.W. 1/2 W	S.W. 1/2					Wind freshening took in Gallant sail Big S.W. swells light and lookout attended to 24 Days out
1									
2									
3									
4	12		N.W. 1/2 W	S.W. 1/2					
5									
6									
7									
8	18		N 1/4 W	N.W. 1/2					
9									
10									
11									
12	20		North	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.
N 12° W	85	1° 23'	18	51° 19'	51° 18'	19° E	29'	157° 36'	157° 28'

Journal from San Francisco towards Nushagak River

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									
2									
3									
4	20		N + E 1/2 E	N.W. 1/2					Lag at noon 36 This Day commencing with clear weather and strong N.W. wind Big S.W. Swells running Tacked ship at 4.30 P.M. Set the gallant sail wind getting light variable rough sea from the Southwest passing showers at times
5									
6									
7									
8	2		S.W. + S 1/2 S	N.W. 1/2					
9									
10									
11									
12	12		S.W. x W.	N.W. 1/2					
1									
2									
3									
4	9		S + W + S	N.W. 1/2					Tacked ship at 7.30 a.m. Set all the light sails light and lookout attended to 26 Days out
5									
6									
7									
8	15		S + W 1/2 W	N + N 1/2					
9									
10									
11									
12	14		N.N.W. 1/2 S	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	72	7	27	61° 25'	61° 20'	19° E	32'	160° 07'	160° 05'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									
2									
3									
4	15		S.W. + 1/2 W	N.S.W. 1/4					Lag at noon 10 This Day commencing with moderate wind but rough northwesterly Swells Tacked ship at 1.35 P.M. Wind variable at times
5									
6									
7									
8	17		N x W	W.S.W. 1/4					
9									
10									
11									
12	8		N.W. 1/2 W	S.W. 1/4					Tacked ship at 4.15 P.M. took in the light sail at 3 a.m. Set the light sail wind are getting light towards morning calm light and lookout attended to 26 Days out
1									
2									
3									
4	10		N.W. 1/2 N	S.W. x W 1/4					
5									
6									
7									
8	4		N.N.W.	S.S.W. 1/4					
9									
10									
11									
12	7		N.N.W.	S.S.W. 1/4					

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	39	22'	17.3	52° 1'	52° 00'	19° E	28'	160° 47'	160° 51'

Journal from San Francisco towards Nushagak River

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lag at noon 76
2									
3									This Day commencing with
4	19		W + N $\frac{3}{4}$ N E S E						Clear weather light wind
5									from E.S.E but increasing
6									towards evening
7									
8	26		N. N. W $\frac{1}{4}$ W E S E						Take in the Ring tail Wind
9									freshing up ugly appearance
10									of threatening weather
11									
12	20		W N $\frac{1}{4}$ W " "						Moderate Breeze and misty
1									weather
2									
3									light Wind and cloudy
4	17		N. N. W $\frac{1}{4}$ W " "						Weather Wind holds towards
5									West
6									light South Wind
7									light and lookout attended
8	20		N. W $\frac{1}{2}$ N W. S. W						to 27 Days out
9									
10									
11									
12	8		W. N. W 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 52 W	120	1° 25'	86" 8	53° 25'	53° 22'	18° E	2° 22'	162° 03'	162° 57'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lag at noon 78
2									
3									This Day commencing with
4	11		N. W + W. S. W						Clear weather and
5									light Wind
6									
7									overcast and calm
8	5		N. W $\frac{1}{4}$ W W. S. W						Lashed Ship at 5 a.m.
9									light Wind from West
10									Light and lookout
11									attended to
12									28 Days out
1									
2									
3									
4	9		N $\frac{1}{2}$ W. W. N. W						
5									
6									
7									
8									
9									
10									
11									
12	3		S. S. W W. N. 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 67 W	23	21.2	8.9	53° 41'	53° 42'	18° E	15	168° 6'	

Journal from San Francisco towards Nushagak River

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lag at noon 26
2									
3	14		S + W	West	-				This Day commencing with
4									light westerly Wind
5									and smooth Sea
6									
7									Lashed Ship at 5 P.M.
8	11		N. W + N	W S W	-				at 4 a.m. Take sounding 48 fathoms
9									of Water Black Sand Bottom
10									Sighted Unimak Island
11									at 30 a.m.
12	12		N. W $\frac{1}{4}$ W S W		-				
1									12 a.m. Ugamak Pt. Bears N. W. W
2									$\frac{3}{4}$ W and South end Tiged Pt.
3									S. W $\frac{3}{4}$ W. By standard compass
4	2		W. N. W S. S. W		-				Dist from Ugamak Pt. 4 miles
5									
6									at 4 P.M. Ugamak Pt. Bearing
7									S + W Dist 4 miles
8	4		W. N. W S. E		-				29 Days out
9									
10									
11									
12	9		W N W 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 64 W	39	25° 10'	34.6"	54° 10'	54° 06'	18° E	52"	164° 40'	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lag at noon 78
2									This Day commencing with
3									light Breeze heavy fog
4	9		N x N	East	-				Schock Cape Bearing N. N. E
5									Dist 10 miles Lag 71
6									Buzzing up from East Cape
7									Schock light Bearing E $\frac{1}{2}$ S.
8	70		N. N. W N E		-				of Beam Dist 8 miles
9									Series of light Bearing
10									S. E $\frac{3}{4}$ S. Dist 19 miles
11	15		N. N. W N. E		-				Buzzing up from N. E
12									Take in the Royal and
1									Ring Tail
2									Moderate Breeze Lashed
3									Ship at 9 a.m. Smooth Sea
4	19		N x W E N E		-				light and lookout attended
5									to 30 Days out
6									
7									
8	6		N. W E N E		-				
9									
10									
11									
12	10		E $\frac{1}{2}$ S E 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.
6° W	55	54° 4'	5.5"	55° 30'	55° 24'	19° E	10.	166° 05'	165° 04'

Journal from San Francisco towards Nushagak River

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lag at noon 82
2									
3									This Day commencing
4	21		E 1/2 N						Clear with and moderate
5									Wind
6									Tacked Ship at 10 P.M. Clear Weather
7									light N.N.E. Wind
8	21		E 1/4 N						Tacked Ship 2.45 am spoke to
9									the steamer Nushagak
10									light Wind and cloudy
11									
12	15		E 1/2 S						Tacked Ship at 8 a.m.
1									Amak Island Bearing
2									N.N.E. 1/4 E. Dist 10 miles
3									Calm Weather Smooth Sea
4	13		E 1/2 N.						light and look out
5									attended to
6									31 Days out
7									
8	15		N.W. + W						
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.
S 85° E	59	5.8	58.7	55° 20'	—	18° E	1° 42'	163° 22' W	—

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lag at noon 64
2									
3									This Day commencing
4			N.S.W	N.W					With Calm and squally
5									foggy and misty at times
6									Tack Ship at 6 P.M. Take sounding
7									Every hour the current set
8			N.N.W	N.E					E + S. nature of Bottom Black
9									Sand Depth of Water 21 fathoms
10									Tack Ship at 7.30 a.m. light
11									Wind from N.N.W
12			N.E	N.N.W					Calm. Hazy Skies Head
1									N.S.W 47 fathoms Water
2									light and look out
3									attended to 32 Days out
4			N-E	N.N.E					
5									
6									
7									
8			N.N.W	West					
9									
10									
11									
12			S.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.
						18° E			

Journal from San Francisco towards Nushagak River

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1								30.20	lag noon 64
2									
3									This Day commencing
4									With Calm and hazy
5									Weather
6									Tacked Ship 5 P.M.
7									32 fathoms Water Black Sand
8									Bottom
9									
10									
11									light Wind from the East
12	5		N. + W	E.N.E					
1									
2									
3									
4	7		N E x N	S.E					hazy Weather continuously
5									38 fathoms of Water
6									light and look out
7									attended to
8	25		N.E. + N	S.E					33 Days out
9									
10									
11									
12	13		N + E	E + 1/2 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.
N 43° E	55	40.3	37.1	56° 00'	56° 00'	19° E	1° 7'	162° 35'	162° 40'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lag noon 22
2									
3									This Day commencing
4	19		N.E. + N	E.S.E					With Clear Weather and
5									gentle Breeze
6									
7									
8	35		N.E. + N	E x S					Fresh Breeze took in the
9									light Sail
10									
11									
12	26		" "	E.S.E					very fresh Breeze Squally
1									at times took in the gaff and
2									and main Sail
3									
4	15		N.N.E	E x S					light and look out
5									attended to 34 Days out
6									
7									
8	24		N E N 1/2 N	" "					
9									
10									
11									
12	36		N E 1/2 N	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.
N 49° E	141	1° 33'	105.8	57° 33'	57° 30'	19° E	3° 14'	159° 30'	157° 30'

Journal from San Francisco towards Muskeget River

[illegible][illegible][illegible][illegible]

Journal from Nushagak River towards San Francisco

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lag 80
2								
3								
4								Steamer Nushagak came
5			S.E	N.E				along side at 11.30 AM
6								up anchor and took
7								the towline and board
8	24							and proceeded down the
9								river and to sea
10								at 8 p.m. set sail and
11	31		South	N.E				let go the towline
12	8		S.S.W	" "				
1								5 p.m. Nicholas Hill bearing
2								S.W x S. Dist 7 miles
3								from where my departure
4	37		S.S.W	E.N.E				was taken
5								
6								Fresh Wind and cloudy
7								weather
8	36		S.S.W	N.E				First day out
9								light and lookout attended to
10								
11	34		S.S.W	" "				
12	8		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.
S. 34° W	154	2° 07'	84.2	56° 26'		19° E	2° 10'	161° 23'	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lag at noon 58
2								
3								This Day commencing
4	33		S.W x S	N.E				with rain and strong
5								Wind
6								
7								Fresh Breeze with hazy
8	37		S.S.W	" "				weather
9								
10								
11								light Wind
12	36		S.S.W	" "				Setting at light
1								Sails
2								light and lookout
3								attended to
4	32		S.S.W	" "				2. Day out
5								
6								
7								
8	30		S.E + S	North				
9								
10								
11								
12	30		S.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 38° W	96	1° 55'	110	55° 30'	55° 27'	17° E	1° 00'	164° 09'	164° 54'

Journal from Nushagak River towards San Francisco

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								This Day commencing
2								with light Wind and hazy
3								weather
4			South		1			Sounding 52 fathom
5								7 P.M. haul to take in Royal
6								and gallant sail lighting
7			South		1 1/2			up during the night
8								with moderate Wind from
9								N.W. smooth sea
10								take in the top sail
11								
12			West	N.W. 1 1/2				Drizzling Rain and foggy
1								weather setting in
2								take Sounding 140 fathom
3								Block sand N.W. small sailing in
4			W 1/2 S.	" "	1 1/2			Pump Halls and light
5			S.E					lookout attended to
6								three day out
7								
8			W x S 1/2 S	N.W. 1 1/2				
9								
10								
11								
12			S.W 1/2 W	N.W. 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 36° W	43	41'	10.9	54° 56'		18° 45' E	1° 48'	165° 46'	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lag at noon 40
2								This Day commencing
3	7		S.W 1/2 W	N.W.	1			with foggy weather gentle
4								Breeze and rough sea
5								take Sounding 140
6								fathom water very fine
7	8		S.W	N.W.	1			Black sand
8	1		N x E	" "	1			Fog lifting light breeze
9								N.W. swell
10								
11								Sounding 140 no Bottom
12	5		N + E 1/2 E	" "	1			10 A.M. month programmed
1								Bearing E 1/2 N
2								
3								Set all the light sail
4	1		East	" "	1			light and lookout attended to
5								
6								
7								four day out
8	12		East	" "	1			
9								
10								
11								
12	12		East	" "	1			

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 38° E	113	10° 7'	8.1	54° 40'	54° 37'	17° 3'	14'	165° 30'	165° 30'

Journal from Kushagah River towards San Francisco

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lag at noon 85
2								This Day Commencing with Hazy and light wind
3	6		East	N	1/2			
4								Cap Searis ship in E x N 1/4 N.
5	7		E.S.E	"				Distance 6 miles
6								Look in at the light sail
7	5		S.E x E	NNE	" "			7. a.m cap Searis ship in E x N
8								Schotch cap in E x N by cross
9								Bearing Dist 11 miles
10	8		S.E x E	" "				Fishing up with misty weather
11								Eastly wind smooth sea
12	2		S.S.E	" "	" "			
1								Commencing to rain
2	3		N.N.W. N.E					Look ship 10-30 a.m
3								light and look out
4								and pump well attended to
5	11		S.S.E	EAST				Five Day out
6								
7								
8	8		S-E	E.N.E				
9								
10	4		N 1/2 E	E x 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.
S 43 E	32	23.9	22	54.26		14 E	27	165.21	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lag noon 39
2								This Day Commencing with Rain and moderate wind
3	7		E 3/4 S	NW				
4								6 P.M. Schotch cap in
5	8		S.E	N				E x S 1/2 S Dist 4 miles
6								Foggy with light wind
7								Steering after land marks
8								at 12 a.m Schotch cap in N.W
9								2 a.m. Schotch cap in S.S.E
10								Dist 7 miles from where my
11								Departure was taken
12	14		E.S.E	N.N.E				Barometer of Chitin close
1								By wind very light
2	14		E.S.E	N.N.W				at 3 a.m fishing up from
3								N.N.W with strong squalls
4								took in the light sail
5								Steady breeze with overcast
6	27		E.S.E	NNW				Let all sail light and
7								lookout attached to
8								Sixth Day out
9								
10								
11								
12	37		E.S.E	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.
S 59 E	106	54.9	89.9	53.19	53.08	18 E	1° 30	163.8	162.51

Journal from Kushagah River towards San Francisco

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lag noon 57
2								This Day Commencing with clear weather and very
3	36		E S E	N.N.W				Strong Breeze from N.N.W
4	11		E x S	" "				
5								
6	9		EAST					
7								
8	20		" "					Moderate Wind cloudy
9								
10								
11	34		" "	N.W				
12								
1								
2								
3								
4	37		" "	" "				light and lookout
5								attended to
6								7 Day out
7								
8	33		" "	N.N.W				
9								
10								
11								
12	28		East	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.
S 62 E	208	1° 37'	183.7	51.30	51.29	18 E	4° 58'	157.69	157.39'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lag at noon 59
2								This Day Commencing with moderate breeze and
3								clear weather
4	29		East	NNW				
5								
6	13		" "	" "				very light air blue sky
7								smooth sea
8								
9								
10								
11	27		E 3/4 N	" "				
12								
1								
2								
3								
4	8		E 3/4 N	N.S.W				calm and clear weather
5								all sail set light and
6								lookout attached to
7								8 Days out
8	4		E 3/4 N	North				
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.
S 76 E	83	20.8	80.1	51.09	50.87	20 E	2° 08'	155.31	155.29

Journal from Nushagak River towards San Francisco

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lag at noon 42
2								This Day Commencing with Calm and Clear Weather Sea Smooth
3								Continuous Calm and Clear
4	7		S E	E N E				
5	2		N. S. E	N. E				
6								light Wind and overcast
7	5		E S E	" "				Tacked Ship at 1. a. m.
8	1		N N. E	E A S T				Pumps, Mals light and lookout attached to
9								4 Day out
10								
11								
12	16		S. E. x E	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.
S 43 E	32	23.6	21.4	50° 35'	—	20 E	29.	154° 35'	—

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lag at noon 75
2								This Day Commencing with Clear Weather and Moderate Breeze from N. N. E
3								
4	22		E x S 1/2 S	N N E				
5								
6								light Wind with Rain and Breeze Eastwardly S W alls
7								
8	21		E x S	N N E				light Wind and hazy Weather
9								Pumps, Mals light and lookout attended to
10								10 Day out
11								
12	16		S E x S	E 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.
S 46 E	87	1° 2'	62.8	49° 33'	—	20° E	1° 38'	152° 57'	—

Journal from Nushagak River towards San Francisco

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1							30.70	Lag at noon 67
2								This Day Commencing with Moderate Breeze and Rainy Weather
3								
4	16		S. E	E. N. E				
5								light Breeze with Fog
6	10		S. S. E	E A S T				
7								10. p. m. Tacked Ship light Southerly Wind and Misty
8	5		S. S. E	" "				
9								
10								
11								
12	3		E x N	South				
1								
2								
3								
4	19		" "	S. W				Drizzling Rain Continuous Smooth Sea
5								Pump light and lookout attended to
6								11. Day out
7								
8	18		" "	N. S. W				
9								
10	13		E x N					
11								
12	8		E 1/2 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.
S 59° E	70	36.5	61.1	48° 57'	—	20 E	1° 38'	151° 26'	—

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lag Noon 58
2								This Day Commencing with Fog and Drizzling Rain
3								
4	23		E 1/2 N					
5								
6								
7								
8	21		" "					hauled down the Staysails and jibs made fast main sail
9								
10								
11								light Breeze and Misty
12	20		" "					
1								
2								
3								
4	24		" "					S. W. Swells light Wind Set all Sails
5								Pumps and light lookout attended to
6								
7								
8	19		" "					12 Days out
9								
10								
11								
12	19		" "					

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 75 E	126	32.1	122.1	48° 24'	—	21° E	2° 38'	148° 20'	—

Journal from Nishagatz River towards San Francisco

FORM No. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1							30.20	Lag Noon 84
2								
3								This Day Commencing
4	21		E 1/2 N	N.W				With Cloudy Weather
5								and Moderate Breeze
6								
7								
8	26		E 1/2 N	West				Rough S.W Swells
9								Dark and gloomy looking
10								Weather
11								
12	20		"	"	"	"	"	light Breeze and Rain
1								
2								
3								
4	17		"	"	"	"	"	Rough Swells from S.W
5								hailed Down Play sail
6								and jibs Wind aft
7								
8	15		"	"	N.W	"	"	lifting clear towards noon
9								all sail set
10								Pumps work light and
11								lookout attended to
12	19		"	"	West	"	"	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.
S 74 E	119	32.8	114.4	47° 41'	47° 07'	21° E	2° 51'	148° 29'	148° 47'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1							29.83	Lag noon 3
2								
3								This Day Commencing
4	27		E 1/2 N	N.W				with Moderate Wind and
5								overcast Smooth Sea
6								
7								
8	35		E 1/2 N	"	"			clear and Gentle Breeze
9								S.W. Swells
10								
11								
12	36		E 1/2 N	NNW				Strong Breeze and Passing
1								Showers of Rain
2								
3								
4	31		E 1/2 N	"	"			Rough Sea Blue Sky
5								Pumps work light and look-
6								out attended to
7								14 Days out
8	26		E 1/2 N	WNW				
9								
10								
11								
12			E 1/2 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.
S 73 E	180	49.3	170.1	46° 17'	46° 11'	21° E	4° 14'	141° 15'	141° 10'

Journal from Nishagatz River towards San Francisco

FORM No. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1							29.82	Lag noon 83
2								
3								This Day Commencing With
4	24		E 1/2 N	West				Gentle Breeze and passing
5								Showers of Rain
6								
7								
8	23		"	"	"	"	"	Squalls and lightning flash
9								Passing the horizon
10								
11								
12	27		"	"	"	"	"	
1								
2								
3								
4	29		"	"	"	"	"	Strong Westerly Squalls
5								Moderate Sea
6								
7								
8	27		"	"	"	"	"	Gentle Breeze clear
9								light and look out
10								all made to
11								15 Days out
12	26		"	"	"	"	"	

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	157.	43.3	150.7	45° 28'	45° 20'	21° E	3° 37'	137° 33'	137° 29'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1							30° 1	Lag noon 40
2								This Day Commencing
3								With Moderate Breeze
4	31		E 1/2 N	W x S.				Passing Showers of Rain
5								and Moderate Seas
6								
7								
8	28		"	"	"	"	"	light Wind and overcast
9								
10								
11								
12	27		"	"	"	"	"	Westerly Squalls and moderate Sea
1								
2								
3								
4	32		"	"	"	"	"	S.W Swells light Breeze
5								Pumps light look out att to
6								16 Days out
7								
8	18		"	"	"	"	"	
9								
10								
11								
12	18		"	"	"	"	"	

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 70 E	164	42.4	148.0	44° 38'	44° 32'	22° E	3° 30'	134° 00'	133° 54'

Journal from Nushagak River towards San Francisco

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lay Noon 94
2								This Day Commencing
3								With light breeze
4	28		E 1/2 S	W. N. E.				and Clear Weather
5								
6								
7								
8	6		"	"	"	"		Westerly and light wind
9								and S. W. Swells
10								
11								
12	9		"	"	"	"		Clear and light wind
1								
2								
3								
4	10		"	"	S. W.			light breeze and overcast
5								Pomperals light and lookout
6								attended to
7								17th Day out
8	9		"	"	South			
9								
10								
11								
12	19		E 1/2 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 66 E	81	33-6'	73-6'	43° 58'	43° 52'	12 E	1° 42'	132° 12'	132° 4'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lay Noon 76
2								This Day Commencing
3								With moderate breeze
4	20		E 1/2 S	S. S. W.				and partly cloudy
5								
6								
7								
8	13		"	"				light S. S. W. and clear
9								smooth sea
10								
11								
12	15		E 1/2 S	"	"			Very light breeze smooth sea
1								
2								
3								
4	19		"	"	S. S. W.			light wind and blue sky
5								Pomperals light and lookout
6								attended to 18 days out
7								
8	23		"	"	"	"		
9								
10								
11								
12	19		E 1/2 S	S. 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 66 E	121	1° 7'	100-3'	42° 44'	42° 38'	22 E	2° 17'	129° 51'	129° 53'

Journal from Nushagak River towards San Francisco

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lay noon 84
2								This Day Commencing
3								With partly overcast and
4	26		E 1/2 S	S. S. W.				Moderate breeze
5								See smooth.
6								
7								
8	29		"	"	"	"		Moderate breeze cloudy
9								
10								
11								
12	29		"	"	"	"		
1								
2								
3								Variable wind and showers
4	26		"	"	N. W.			of rain
5								
6								gentle breeze and clear
7								weather smooth sea
8	28		"	"	"	"		light and lookout
9								attended to
10								19 days out
11								
12	24		E 1/2 S	N. W. 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 63 E	177	1° 37'	146-7'	40° 59'	40° 45'	14 E	2° 14'	126° 58'	126° 50'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lay noon 46
2								This Day Commencing
3								With moderate breeze
4	34		E 1/2 S	N. W.				and clear weather
5								
6								
7								
8	40		E 1/2 S	W. N. W.				Very strong breeze clear
9								rough sea
10								
11								
12	43		S E 1/2 E	"	"			
1								Moderate wind and sea
2								for company with Star of Alaska
3								
4	41		S E 1/2 E	"	"			
5								
6								light and lookout attended
7								to 20 days out
8	37		E S E	N. W.				
9								
10								
11								
12	38		E 1/2 S	N. 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 60 E	285	2° 03'	149-9'	38° 41'	38° 30'	19 E	3° 19'	123° 40'	123° 29'

Journal from Nushagak River towards San Francisco

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of
								Laguna 74	Sept. 1913
1								This Day Commencing with light Wind and	
2								hazy horizon Moderate Sea	
3								Point Reyes ahead at 1.40 P.M. Distance	
4								13 miles	
5								Four Point Bearing of Point Reyes	
6								East at Beam head N.E. Dist 6 miles	
7								South Farallon Boer ahead by Standard S.W. 1/4 W	
8								Distance 8 miles	
9								at 7 P.M. hour to at the light ship	
10								Bearing north Dist 1/2 mile Ship head S.W. x S	
11								at 9 P.M. tug Dauntless came along	
12								side took turn on in tow for San Francisco	
1								light Wind and rough Swells, being hazy	
2								all hands on Deck, Latent all sail	
3								being towed as far as possible let go	
4								the Steamer Power and the Steamer	
5								Anchor with 30 fathom of chain at 12.20 a.m.	
6								In 10 fathom of water and this ends our voyage	
7								of 20 days from Nushagak River to San Francisco	
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 towards

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of
1								March 24 th Commenced at 7 A.M.	
2								Took in Trailing Stars Cannery Stars	
3								and Supplies to 5 P.M.	
4								March 25 th at 7 a.m. took in Ships Stars and	
5								Cannery Supplies and Chinese Stars to 4 P.M.	
6								Commenced with 10 tons of Coal for Ships	
7								Supplies to 5 P.M.	
8								March 26 th Commenced with Coal Took	
9								in same Stars finished at 10 a.m.	
10								Tug Liberty came along side and took	
11								and out the Streamer let go anchor	
12								at 11.35 in 6 fathom of water with 45	
1								fathom of chain	
2								April 8 th 7 a.m. the tug Sea Fox came along side and	
3								made fast hove up anchor and proceeded to dock	
4								at Pier A. 54. With the assistance of 4 longshore men	
5								arrived at that place 8 ¹⁰ a.m. Made fast and finished	
6								9 a.m. Chinese came on board	
7								April 9 th longshore men commenced at 7 P.M.	
8								Took in Slapshot and some plations and Chinese	
9								Stores and Ship completed at 5 P.M. Ship brought for 12 a.m.	
10								April 10 th 7 a.m. all the single hands and board	
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 Air Water Barometer REMARKS Friday 20 day of March 1914

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									
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 Air Water Barometer REMARKS Friday 10 day of April 1914

1									
2									
3									
4	14	S 1/2 W	W x S	1/4					
5									
6	14	S. S. W	W x T	1/2					
7									
8	13	S W x S	W N W						
9									
10									
11									
12	32	S W x S	W N W						
1									
2									
3									
4	28	S W x W	N. W						
5									
6									
7									
8	28	S W x W	N. W						
9									
10									
11									
12	29	S W x W	N. 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.

Journal from *San Francisco* towards *Nushagak River*

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1								30.20	Lag at Noon 8.4
2									light Wind and Clear
3									
4	1		S.W. + W	N.W. + W	-				
5									
6									
7									
8	5		S.S.W	W + W	-				at 8 P.M. Last Ship
9									Calm and Smooth Sea
10									
11									
12	4		N + W		-				
1									
2									light wind from S.E
3									
4	2		W x N		-				Moderate Breeze overcast
5									Pompadour lookout attached to
6									End of 2 Day out
7									
8	20		W + N		-				
9									
10									
11									
12	33		W + 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.
N 72° W	66	21	62	37°	37° 6	18° E	1° 2	126° 33	126° 26

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lag at noon 4.9
2									This Day Commencing
3									With Strong S.E. Wind
4	35		W + N	S.E	1/4				Drizzling light Rain
5									
6									Good Breeze
7									
8	35		W + N	S.E	-				
9									
10									
11									
12	35		N.W. + W	S.W	1/4				Foggy and Misty Weather
1									
2									
3									
4	19		W.N.W	S.W + S	1/4				light Wind and overcast
5									
6									
7									
8	20		W + N	S.S.W	-				light and look out
9									attached to
10									3. Day out
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.
N 58° W	160	91° 3	131° 6	38° 38	38° 41	18° E	2° 55	129° 16	129° 18

Journal from *San Francisco* towards *Nushagak River*

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lag at Noon .1
2									This Day Commencing
3									With light Wind and Breeze
4	22		West	South	1/4				Westerly Swells and partly overcast
5									
6									
7									
8	20		West	S.S.E	1/4				10 A.M. Took in the light Sail
9									and Main Sail
10									Took in the Gallum Sail
11									Moderate Breeze Rough Sea
12	30		W	S.E	1/4				
1									Strong Breezes
2									Wind Chasing
3									
4	35		West	S.S.E	1/4				light and look out
5									attached to
6									4 Days out
7									
8	31		W x N	S.S.W	1/2				
9									
10									
11									
12	25		N.W. x 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.
N 58° W	161	1° 27	140	40° 14	40° 7	19° E	2° 1	132° 16	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1								30.20	This Day Commencing
2	14		N.W. + W	W + S	1/2				With Strong Breeze
3									and Rough Sea
4									
5			S x E	W.S.W	1/2				at 2 P.M. Vies Ship
6	19								S.P.M. Vies Ship
7									
8	18		N.W. + W	W + S	1/2				Westerly or Squally Weather
9									
10									
11									
12	32		N.W. + W	W + S	1/2				
1									
2									
3									
4	27		N x W + W	West	1/2				7 A.M. Vies Ship
5									rough Sea and Squally
6									Weather but the Main
7									to Gallum Sail
8	21		N x W	N + W	1/2				light and look out
9									Pomps attached to
10									5 Days out
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.
N 6° W	112	1° 51	114	42° 1	40° 57	19° E	16	132° 31	131° 32

Journal from *San Francisco* towards *Nushagak River*

FORM NO. 1
LOUIS WEULE CO.
6 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1							30.30	Lag at Noon 21
2								This Day Commencing
3								With Gentle Breeze
4	29		S x W	N.S.W	1/4			in Clear Weather Sea
5								going down
6								Set Royal
7								
8	20		S + W	N.S.W	1/4			light Wind on overcast
9								
10								
11								
12	4		S.S.E	S.W x W	1/4			at 5 A.M. Vee Ship
1								all sail set
2								light on lookout
3								attached to 6 days out
4	5		N + W	West	1/4			
5								
6								
7								
8	6		N + W	West	1/4			
9								
10								
11								
12	8		N.N. + W	" "	1/4			

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 24 W	57	36.6	16.8	40° 27'	40° 21'	19 E	22	132° 14'	132° 6'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1							30.28	Lag at Noon 86
2								This Day Commencing
3								With Gentle Breeze and
4	31		N 1/2 N					Clear Weather
5								Westerly Swells
6								
7								
8	28		N 1/2 N					Moderate Breeze overcast
9								
10								
11								
12	32		N 1/2 N					No Change all sails
1								Set
2								Pumps Walls light
3								and lookout attached
4	28		N x N					to 7 days out
5			N x N 1/2 N					
6								
7								
8	26							
9								
10								
11								
12	24		N 1/2 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.
N 58 W	169	129	143	41° 51'	41° 55'	19 E	3° 10'	135° 14'	135° 05'

Journal from *San Francisco* towards *Nushagak River*

FORM NO. 1
LOUIS WEULE CO.
6 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1							29.95	Lag at Noon 65
2								This Day Commencing
3								With Moderate Breeze
4	42		West	S.S.W	1/2			in haze at times
5								
6								
7								7 P.M. took in the light
8	40		West	South	1/2			Sail on Main Sail
9								Friske South Wind lig
10								Westerly Swell light
11								Rain falling
12	30		W + S	South	1/2			at 8 A.M. the wind shifted
1								from South to N.W took in
2								the Gallant sail took
3								Ship Mizzon stay sail
4	37		W x S	South	1/2			Carried away
5								Strong Breeze & overcast
6								
7								
8	38		West	S.	1/2			Side light and lookout
9								att. to 8 days out
10								
11								
12	31		S.W x 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 78 W	218	66.6	209.8	42° 52'	42° 45'	19 E	4° 46'	139° 31'	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1							30.36	Lag at Noon 87
2								This Day Commencing
3								With Strong Breeze in
4	18		S.W x W	N.W	1			hazy weather
5								
6								
7								Squally or showers of
8	18		S.W x W	N.W	1			rain
9								
10								
11								Wind Moderate towards
12	19		S.W.	N.W	1			Evening Set fore top sail
1								on fore an aft sail Main
2								to Gallant sail
3								Cloudy weather
4	17		S.W	N.W	1			light wind all
5								sail
6								Side light and lookout
7								attached to 9 days out
8	13		S.W x S	N.W.W	1			
9								
10								
11								
12			S.W x S.	N.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 66 W	108	64.9	90.	41° 51'	—	19 E	2° 06'	141° 03'	—

Journal from San Francisco towards Muskeget River

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water	30.60	Sunday 19 th day of April 1914
1									Log at Noon 97
2									
3									This Day Commencing With
4	27		S.W x S	N.W	1/2				light Wind and Cloudy
5									
6									
7									
8	27		S.W x W	N.N.W	1/2				light Wind and Clear
9									Weather Sea Smooth
10									
11									
12	19		W x S	N	1/4				No Change
1									
2									
3									light on lookout
4	7		West	N	1/2				Attached to
5									10 Days out
6									
7									
8	12		W x S	N.N.W	1/4				
9									
10									
11									
12	2		West	N.	1/4				

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. 80° W	86	14.6	83.2	42° 37'	42° 22'	19° E	1° 50'	143° 00'	142° 50'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water	30.70	Monday 20 th day of April 1914
1									Log at Noon 80
2									
3									This Day Commencing
4	5		W. N.W	S.W	1/4				With light Wind and
5									Clear
6									
7									
8	19		W. N.W	S.W	1/2				Moderate Breeze and
9									overcast
10									
11									
12	31		W. N.W	S.W	1/2				Took in the light
1									Sails
2									
3									
4	30		W. N.W	S.W	1/2				Fresh Breeze and drizzling
5									light Rain
6									
7									
8	31		W. N.W	S.W	1/2				Side light on
9									lookout all to
10									11 Days out
11									
12	25		W x N	S.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. 46° W	140	1° 38'	100.8	44° 00'		19° E	2° 18'	145° 8'	

Journal from San Francisco towards Muskeget River

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		Tuesday 21 st day of April 1914
1									Log at Noon 87
2									
3									This Day Commencing
4	24		S.W	W.N.W	1/2				With Fresh Breeze and
5									Rainy Weather
6									
7									Took Ship at 1.30 A.M.
8	25		W x S	N.N.W	1/2				Took in Main Sail 6.30 P.M.
9									S.W. Swells and Rain
10									Squalls
11									
12	19		S.S.W	West	1/2				
1									
2									Moderate Breeze and Passing
3									Showers of Rain
4	23		S x W 1/2 W	West	1/2				S.W. Swells and Cloudy Weather
5									
6									
7									
8	26		S.S.W	W.N.W	1/2				Side light on lookout
9									all to 12 Days out
10									
11									
12	28		S.S.W	W.N.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. 50° W	143	1° 32'	109.	42° 28'	42° 23'	19° E	1° 49'	147° 31'	147° 30'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		Wednesday 22 nd day of April 1914
1									Log at Noon 80
2									
3									This Day Commencing
4	25		S 1/2 E	W.S.W	1/2				With light Wind and
5									Partly Cloudy
6									
7									Took Ship 5.15 P.M.
8	19		N.N.W	W.S.W	1/2				rough Westerly Swells
9									Moderate Breeze and
10									Misty Weather
11									
12	31		N.W x N	W.S.W	1/2				
1									
2									
3									Fresh Breeze and Misty
4	27		N.W x N	W.S.W	1/2				Weather Took in Main
5									Sail on the Gallant Sail
6									
7									
8	25		N.W	W.S.W	1/2				light on lookout
9									all to 13 Days out
10									
11									
12	35		N.W	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.
N 23° W	105	1° 36'	41.9	43° 57'	43° 51'	19° E	57	148° 27'	148° 20'

Journal from San Francisco towards Nushagak River

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lag at noon 50
2								
3								This Day Commencing
4	21		N. W x W	S W	2			With Stormy Weather an
5								Rough Sea an light Rain
6								
7								
8	12		N W x W	"	2			Strong Breeze Took
9								in the top sail
10								an fore sail
11								
12	2		"	"	3			Rough Sea an heavy
1								Snow Squalls
2								
3								
4	3		"	"	3			Set the fore sail main top sail
5								Feb March top mast stay sail
6								
7								Side light look out
8	11		N W	S. W	3			at 14 Days out
9								
10								
11								
12	18		N. W.	S W x W.	3			

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 5° W	67	1° 6'	6.4	44° 58'	44° 55'	19° E	9.	148° 9'	148° 6'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Log at noon 17
2								
3								This Day Commencing
4	10		N. W.	W. S. W				With Strong S. W. Breeze
5								an Snow Squalls an Rough
6								Sea
7								
8	7		N. W.	W. S. W				Wind an Sea Moderate
9								light Rain Squalls
10								Set the top sail Feb
11								stay sail
12	18		S x W.	W				
1								Veer ship at 7.30
2								P.M.
3								
4	16		"	"	W			Set the top sail Feb
5								Pomperalls light an look out
6								at 15 Days out
7								
8	11		"	"	W			
9								
10								
11								
12	2		South	W. 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 38° W	38	2° 8'	17.4	44° 51'	—	19° E	28	148° 54'	—

Journal from San Francisco towards Nushagak River

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lag at noon 81
2								
3								This Day Commenced With
4								Calan an Rough S. W.
5								Swals partly Cloudy
6								
7								
8	1		W x S					light Easterly Wind
9								an overcast. W. S. W.
10								Swals
11								
12	11		"	"				
1								Wind hauled Towards West
2								With Moderate Breeze an
3								Misty Weather
4	9		"	"				Took in the main sail
5								
6								
7								Pomperalls light an look out
8	14		N. W. W					at 16 Days out
9								
10								
11								
12	40		N. W. 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 18° W	92	1° 27'	19.2	45° 55'	—	19° E	41	149° 31'	—

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Log at noon 84
2	16		N. W. W	W. S. W				
3								This Day Commenced With
4	10		South	W. S. W				Moderate Breezes an Cloudy
5								Weather Smooth Sea
6								
7								Took ship at 2. P.M.
8	7		"	"	"			
9								light Wind an foggy
10								all sail set
11								
12	15		West	South				at 8. P.M. Veer ship
1								
2								Moderate Sea an Breeze
3								South Wind an foggy
4	84		"	"	"			Took in the light sail
5								
6								light an look out
7								at 17 Days out
8	43		"	"	"			
9								
10								
11								
12	46		"	"	"			

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° W	140	3° 4'	186.7	46° 36'	—	19° E	3° 10'	152° 10'	—

Journal from *San Francisco* towards *Nushagak River*

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
							29.20	Monday 27 th day of April 1914
1								Lag at noon 55.
2								
3								This Day Commenced with
4	42		W x S	South	1/4			Fresh Breeze, light Rain
5								and foggy weather.
6								
7								
8	37		W 1/2 N	S.S.W	" "			No. Change
9								
10								
11								Moderate Breeze heavy
12	37		W x S.	South	" "			weather all sail set
1								
2								
3								
4	32		"	"	"	"		light and lookout
5								attended to 18 days out
6								
7								
8	33		"	"	"	"		
9								
10								
11								
12	28		"	"	"	"		

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° W	178	58.8	167.6	47° 34'	47° 47'	18° E	3° 53'	156° 38'	156° 54'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
							29.45	Tuesday 28 th day of April 1914
1								
2								
3								This Day Commenced
4	24		W x S 1/2 S	East				with light wind and
5								Clear weather
6								
7								
8	25		W x S.	S.E				light Easterly Wind
9								Rough S.W Swells took
10								in main sail and Ringtail
11								dark and gloomy looking
12	15		West	East				weather
1								Passing Shower of Rain
2								
3								
4	11		W x S	" "				Moderate Sea and
5								Breeze all sail set
6								
7								light and lookout
8	27		"	"	N.E			att to 19 days out
9								
10								
11								
12	37		W x N	North				

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 65° W	133	54.2	120.8	48° 41'	48° 44'	17° E	2° 42'	159° 36'	159° 32'

Journal from *San Francisco* towards *Nushagak River*

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
								Wednesday 29 th day of April 1914
1								Lag at noon 7
2								
3								This Day Commenced with
4	41		W 1/2 N	N.N.W	1/2			Fresh Breeze from the North
5								and foggy weather
6								Took in the light sails
7								
8	36		W x N.	North	1/2			Strong Breeze Took in Main
9								Sail and the Gullent Sails
10								
11								
12	16		"	"	"	"		Moderate Breeze and Cloudy
1								weather Set the Main sail and
2								the gullent sail
3								
4	16		"	"	"	"		light Wind and Smooth
5								Sea Partly Clear
6								
7								
8	20		W x N	N.N.W	1/2			light and lookout
9								att to 20 days out.
10								
11								
12	30		W.S.W	N.W x N	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 76° W	156	38.9	151.2	49° 23'	49° 14'	17° E	3° 20'	162° 52'	162° 57'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
								Thurs 30 th day of April 1914
1								Lag at noon 66
2								
3								This Day Commenced
4	25		S.W x S	1/4				with light Wind Clear
5								Moderate Sea
6								
7								
8	21		S.W.	1/4				light Wind and Cloudy
9								
10								
11								
12	23		S.W 1/2 W	1/4				No Change
1								
2								
3								
4	23		"	"	1/4			light Wind and all
5								Sail set
6								light and lookout
7								att to 21 days out
8	15		S.W.	1/4				
9								
10								
11								
12	10		S.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 78° W	128	25.1	126.3	48° 49'	48° 41'	16° E	2° 50'	166° 50'	166° 27'

Journal from San Francisco towards Muskeget River

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								log at noon 83
2								This Day Commencing
3								with light wind and
4								hazy weather
5								
6								
7								
8	27		N x W	West				
9								
10								Moderate Wind and Sea
11								Cloudy Weather
12	27		"	"	"			all Sail Set
1								
2								No Change
3								
4	28		"	"	S. W			light and lookout
5								all to 22 Days out
6								
7								
8	34		"	"	S. S. W			
9								
10								
11								
12	37		"	"	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 3° E	116	1° 54'	4	50° 36'	—	17° E	6	166° 21'	165° 18'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								log at noon 88
2								This Day Commenced
3								With Moderate Breeze
4	33		N 1/2 W	S. S. W				and Sea Cloudy Weather
5								Jose. A. Pearson.
6								am up the Cumming hands
7								being Sick for some time
8	35		N x W	South				Dead am May the first
9								in Lat. 50° 36' N. and Long
10								165° 21' W. Was Buried
11								at Sea on May the 2 nd
12	34		"	"	"			at 8.30 a.m. this man for
1								two days. Complained of losing stomach trouble
2								was attended with medical treatment
3								Moderate Breeze and Bering
4	43		"	"	"			Weather Took in the
5								light Sail and Main Sail
6								
7								
8	39		"	"	"			light and lookout
9								all to 23 Days out
10								
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.
N 8° E	106	3° 24'	30	53° 57'	53° 59'	17° E	39	164° 41'	—

Journal from San Francisco towards Muskeget River

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								log at noon 42
2								This Day Commenced With
3								Moderate Wind and Sea
4	20		N x E	W N W				
5								Load Ship Took in the light
6								Sail
7								Scotch Cap light Bering
8	18		N 1/2 W	W N W				W. N. W Dist. 4 miles
9								against i Bering S. 1/2 W.
10								
11								Load Ship Took in the
12	10		S. S. W	"	"			Top Sails. Fresh N. W. Breeze.
1								
2	5		S W x S	"	"			
3								atrun iot Bering W x S. 1/2 S
4	7		N x W.	"	"			against E x N.
5								Sarichif N x W.
6								
7								light and lookout all
8								to 24 Days out
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.
								54° 15'	17° E

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Monday 4 th day of May 1914
2								This Day Commenced
3								With light Wind and Clear
4								Weather
5								
6								Calm and Clear
7								
8	5		N W 1/2 W	S E				Scotch Cap all beams 6.55 P.M.
9								Dist 4 miles. log. 11
10								9. P.M. Cap Sarichif
11								at beam Dist 6 miles
12	39		North	"	"			log 29.
1								Wind hauled to the
2								S.E. With Moderate Breeze
3								and overcast.
4	30		N. E x N	"	"			Test in the light
5								Sail. Gullnet and
6								Main Sail
7								Strong Easterly gale
8	26		E N E	"	"			Mozum Stay Sail Blowed
9								away light and look-
10								out all to 25 Days out
11								
12	17		N E 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.
N 39° E	98	1° 18'	59.6	55° 32'	55° 33'	18° E	10 16	163° 25'	163° 18'

Journal from San Francisco towards Kushkapat River

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Tuesday 5 th day of May 1914
2									lag at noon 27
3									This Day Commenced with a
4	21		N E N S.E	-					Very Strong South East
5									Gale and Cloudy Weather
6									
7									Louis Jelson one of the
8	33		N. E	" "	-				Cannery hands Bering Sea
9									Four Four Days Dead at Sea
10									at 11.40 A.M. and May the 5 th
11									in Lat 56° 33' N Long 168° 15'
12	32		" "	-					and was Captive few days.
1									
2									
3									
4	36		" "	-					Wind and Sea Moderate
5									Set Four Sail Top Sail Stay
6									Sail and Jib
7									Black Hill a Bear
8	35		" "	-					Bearing 50/100 Lag 75
9									light wind all sail set
10									light and lookout all to
11									26 Days out
12	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 62° E	15.9	10 12	139	156° 05'	156° 55'	18° E	2° 48'	159° 35'	157° 26'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
									Wednesday 6 th day of May 1914
1									Leg. 86
2									
3									This Day Commenced
4	9		N. N. E	South					With Calm partly overcast
5									No. Change
6									
7									
8	6		N. N. E	S. W.					
9									
10									
11									Took in the Main. Sail
12	21		N. E. x N. S. W.						Took Soundings 16 fathoms
1									Black Sand
2									light South Wind
3									and cloudy
4	9		N. N. E	West					light and lookout
5									attended to 27. Days out
6									
7									
8	6		N. N. E	S. W.					
9									
10									
11									
12	5		N. N. E	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.
143° 37' E	6.9	47.3	3.6	57° 43'	57° 46'	18' E	43'	168° 30'	168° 55'

Journal from San Francisco towards Kuskagatz River

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
									Thursday 7 th day of May 1914
1									Lag at noon. 41.
2									This Day Commenced
3									With Calm and Cloudy
4	12		N. N. E.	West					Weather
5									
6									
7									
8	23		N. N. E.	" "					light Wind and Cloudy
9									
10									
11									
12	5		N. N. W.	" "					No Change
1									
2									
3									light look out
4									at to 28 out
5									
6									
7									
8									
9									
10									
11									
12	10		N. W.	S. W.					

Course	Distance	Dir. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
	50			58° 26'		18.5		158° 26'	

[illegible]

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by O
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Journal from San Francisco towards Nushagak River

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Saturday 9 th day of May 1914
2									light Wind and Clear Weather keeping Sea
3									Watch Cape Etolin Bearing N.W. x N. 1/4 N
4									took Sounding 7 fathoms of water
5									
6									May 10 th was laying to anchor Steamer Thistle.
7									Came along side and took the Bally of Louis Gelson
8									and shore for Beryl by two Deckmen.
9									12 th May.
10									This Day light Wind and Clear Weather set sail
11									at 9 a.m. proceeded towards the Nushagak River
12									the Steamer Nushagak Port was Bound for Nushagak
1									River at 11.45 a.m. let go anchor in 8 fathoms
2									of water. With 45 fathoms of Chain Cape Etolin
3									Bearing N.W. x N. 1/4 W.
4									Boat Star of India Grounded 8 P.M. in town
5									of Steamer Nushagak N.W. of Cape Etolin West of
6									Nicholas Hill
7									May 13 th . Boat Star of India Grounded at 5.45 a.m.
8									in town of Steamer Nushagak in 18 feet of water
9									When Crossing the River from Ekut. D. Cape Point
10									Ekut Bearing S. x E 3/4 E Nushagak Point N. N. E Cape Point
11									N. N. W.
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.
					58°28'	18°E			158°04'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		

1									Friday Aug day of 1914
2									August 14 Boat Star of India came down
3									from Scandinavia coming in tow of Steamer
4									Nushagak where I the Mate came on board
5									from the Launch Heron and proceeded to sea
6									at 4.30 a.m. let go the hawser and set at sail
7									took my departure Cape Etolin Bearing N.W.
8									Nicholas Hill Bearing 10 1/2 S lay 13 Course S.E. 1/2 E
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 Nushagak River towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Friday 14 th day of Aug 1914
2									This Day commenced
3	16		S E x E	S x W	1/4				with Moderate breeze
4	5		S W 1/2 W	" "	" "				and foggy weather
5									at 3 P.M. took ship
6									
7									South wind and light rain
8	17		S W	S. S. E	" "				Smooth sea
9									
10									1 a.m. took ship hauled
11									down the gallant and middle
12	23		W x S 1/2 S	S x W	" "				stay sail clear up the main
1									sail and ring tail
2									at 5 a.m. took ship Moderate
3									breeze with foggy weather
4	41		S E x E	S. S. W	" "				
5									7.20 a.m. took ship took
6									sounding 20 fathoms in block
7									sand bottom
8	19		N W 1/2 W	S. N. W	" "				Pumpalls light and lookout
9	6		W. N. W	S. W	" "				attended to
10									End of the first day out
11									
12	15		S E x E	S x 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.
				58°28'		18°45'E			159°23'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		

1									Saturday 15 th day of August 1914
2									Lay at noon 65
3									This Day commenced with
4	13		E. S. E	South	1/4				light Wind and Drizzling
5									Rain and foggy weather
6									
7									Took ship 3.30 P.M. Took
8	14		W	S. S. W	" "				sounding 20 fathoms water
9									Gray sand bottom
10	11		E x N	S. S. E	" "				at 9.20 P.M. took ship
11									took sounding 19 fathoms of
12	6		S. W	" "	" "				water Gray sand
1									10.40 P.M. took ship took
2									in light sail
3									Moderate breeze misty weather
4	33		W x S	S. S. W	" "				the wind hauled to the S. W
5									took ship at 5 a.m. fresh
6									Wind and Cloudy weather
7									
8	22		S. E 1/2 S	S W x S	" "				light and lookout. atten.
9									del. to 2 nd day out.
10									
11									
12	24		S x E	S. S. x 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 3° E	47	46.4	2	57°45'	57°42'	18°46'	3	159°30'	159°23'

Journal from *Huskagah River* towards *San Francisco*

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Log at noon 82
2								
3								This Day Commenced With
4	15		S E x E	S. S. W	-			light wind and smooth
5								Sea
6								7.30 P.M. Took Sounding
7								20 fathoms gray sand
8	10		S. S. E	S. W	-			light wind all sail set
9								8 P.M. took ship S.W. Wind
10								and Rain
11								5.0 a.m. took ship Log set in
12	10		N. W x W	" "	-			
1								10 a.m. Log and misty
2								weather moderate breeze
3								took sounding 28 fathoms
4	26		N W x W	" "	-			gray sand & gravel
5								
6								12 noon took ship
7								hazy looking weather
8	20		S. E x S	" "	-			Pumps walls light and lookout
9								all to 3 rd day out
10								
11								
12	16		S E x S 1/2 S	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.
S. E	38	38	2	57° 3'		18° 45' E	3	167° 21'	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Log noon 89
2								This Day Commenced
3	15		N x W 1/2 W	N. N. W	1/4			with moderate breeze and
4	7		South	West				cloudy weather
5								took ship 3 P.M.
6								took in main sail and all
7								the light sail took and night
8	84		" "	W x S	" "			appearance fresh westerly
9								wind and Rain
10								at 4. a.m. took ship
11								Wind hauled to N. W with
12	28		N x W	W	" "			Moderate Breeze set all sails
1								
2								Gentle Breeze Clear weather
3								
4	16		N x E	N. N. W	" "			light and lookout all
5								to 4 days out
6								
7								
8	25		S. S. W	N. W	" "			
9								
10								
11								
12	35		S W x S 1/2 S	N. N. 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 68° W	54	20.4	50.6	56° 43'	56° 47'	18° E	54	160° 22'	160° 32'

Journal from *Huskagah River* towards *San Francisco*

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Log noon 50
2								
3								This Day Commenced with
4	28		S W x S	N. W	-			gentle breeze and clear weather
5								
6								
7								
8	18		S W 1/2 S	" "	-			light wind and clear
9								
10								
11								
12	9		" "	N. W	-			No change
1								
2								
3								
4	14		" "	North	-			Pumps walls and lookout
5								all to 5 days out
6								
7								
8	18		" "	N. E	-			
9								
10								
11								
12	28		S x W 1/2 W	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.
S 56° W	113	1° 4'	93.4	55° 33'	55° 58'	18° 45' E	1° 53'	163° 19'	163° 31'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Log at noon 69
2	21		S x W	East				
3								This Day Commenced with
4								light wind and clear
5								smooth sea
6								5 P.M. took in all the light
7								sail moderate breeze hazy
8	27		S x W	" "				looking weather
9								
10	14		S x W	" "				
11								
12	4		N E x N	" "				10 P.M. took ship look
1								in the main sail
2								
3								at 4. a.m. took ship
4	16		N x E	" "				set all sails
5								Cape Carisip Bearing S E 1/2 E
6								Dist 17 miles
7								Pumps walls lookout
8	30		S x E	" "				all to 6 days out
9								
10								
11								
12	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 34° W	77	1° 4'	43.5	55° 14'	54° 54'	18° 45' E	53	165° 20'	

Journal from Nushagak River towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lag noon 82
2									This Day Commenced
3									With Calm and Blandy
4	1		S.W	S.E	-				weather
5									Took in the King Tail
6									and Gallant Stay Sail
7									Clue up the Main Sail
8	16		"	"	"				
9									
10									light wind fog and
11									misty weather
12	9		S x W	ESE	-				
1									
2									
3									1:30 A.M. Took Sounding
4	8		S E 1/2 E	"	"				" 70. fathoms of water Blacks
5									Sand and gravel
6									
7									11. Am. Tacht Ship
8	12		S E x E	"	"				Pumps Wells light and
9									lookout att to 7. Dayant
10									
11	8		S E x E	S S W					
12	4		N 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 17° W	37	35' 7"	10' 8"	54° 13'	—	18° E	13	165° 33'	—

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lag Noon 40
2	10		N x N 1/4 N	S.W					
3									This Day Commenced
4	7		S 2 1/4 S	"	"				With light wind and
5									foggy weather
6									
7									2. P.M. Tacht. Ship
8	9		S. E x S.	"	"				8. P.M. Tacht. Ship
9									12 A.M. near Ship
10									
11									
12	2		N.W.	"	"				
1									Continuous foggy weather
2									and light. air
3									
4	6		W.N.W.	S.S.W					Pumps Wells and lookout
5									att. to 8 Days out
6									
7									
8	1		S.S.W.	S.E					
9									
10									
11									
12	8		N. S. W	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 57° W	24	18' 7"	20'	55° 45'	—	18° E	25'	168° 42'	—

Journal from Nushagak River towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lag Noon 83
2									
3									This Day Commenced
4	5		West	S.S.W 1/4					With light wind and
5									foggy weather S.W. Swells
6									
7									at 3:30 P.M. Tacht Ship wind
8	15		S.E	SSW	-				hauded towards S.W. Set
9									main topmast stay sail and
10									main sail
11									3:30 Sarshep light steam bearing
12	16		S.E	S S W	-				N.E. dist 7 miles
1									at 7.45 a.m. Scotchpope Bear N.N.E
2									9.30 a.m. against J. steam dist 3 m.
3									
4	17		S E 1/2 E	S.W					light breeze all sail set
5									smooth sea fog clearing up
6									light and lookout attended
7									to 7 Dayant
8	21		E.S.E	W					
9									
10									
11									
12	30		E.S.E	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 42° E	86	1° 41'	57' 5"	54° 10'	53° 58'	17° E	1° 11'	164° 39'	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lag Noon 87
2									
3									This Day Commenced with
4	27		E x S	West					Moderate Breeze and Clear
5									Weather Smooth Sea.
6									
7									
8	29		"	"					
9									
10									
11									No Change
12	27		"	"					
1									
2									
3									Fresh Breeze and Misty
4	27		"	"	W S W				weather. Moderate Sea
5									Pump Wells lookout att to
6									10 Days out
7									
8	46		"	"	"				
9									
10									
11									
12	35		"	"	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. 65° E	196	1° 22'	177.6	52° 35'	52° 31'	18° E	3° 42'	160° 34'	

Journal from *Mushagak River* towards *San Francisco*

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lag Noon 83.
2								
3								This Day Commenced
4	34		E x S	South	1/2			With Moderate Breeze
5								and Misty Weather
6								
7								
8	30		E	S.S.E	-			Gentle Breeze Cloudy weather.
9								Wind hauled towards South
10								
11								Fresh Breeze with Rain
12	32		E.N.E	S.E.	-			Took in light Sails
1								
2								Strong S.E. Wind Took
3								in the Main Sail and
4	32		E.N.E	-	-			the Gallant Sail & rear
5								Ship
6	18		N.E.	-	-			at 1 P.M. set fore topsail
7								rear Ship Wind hauled to
8	12		S.S.W	-	-			South with fog and rain
9								light and looked out at
10								11. Days out
11								
12	15		S.W x 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.
S 85° E	141	12' 6"	1' 78"	52° 22'	-	19° E	2° 58'	157° 45'	-

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lag Noon 62
2								
3								This Day Commenced with
4	21		E 1/2 S	S x E	1/2			Strong Breeze Rain and
5								Foggy weather
6								
7								Blowing a gale with rain
8	25		-	-	1			on rough sea took in
9								topsail and fore sail ship
10								labored heavily to sick
11								wind hauled to S.W.
12	19		-	-	2			set fore sail on topsail
1								Wind moderate but
2								rough sea
3								Pump wells on light
4	8		S.S.E	S.W	2			lookout at 12
5								Days out
6								
7								
8	6		S.S.E	-	3			
9								
10								
11								
12	11		S.W E	-	4			

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	70	36' 14"	82' 3"	51° 55'	-	19° E	1° 44'	165°	-

Journal from *Mushagak River* towards *San Francisco*

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lag Noon 52
2								
3								This Day Commenced with
4	36		E x S	S.W	-			Strong Breeze Clear weather
5								and rough sea
6								
7								Towards Evening the Wind
8	29		E x S	S.W	-			moderate set gallant and
9								royal stay sail
10								
11								
12	25		E + S	S.W	-			Wind hauled towards
1								South and East with
2								fog and misty weather
3								
4	24		East	South	1/2			The Wind freshening up from
5								S.E. took in all the light
6								sail
7								Pump well light and
8	34		E x N	S.S.E	1/2			lookout at 13
9								Days out
10								
11								
12	37		E.N.E	S.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.
S 76° E	183	59' 8"	172' 9"	51°	50° 25'	20° E	3° 39'	152° 25'	-

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								Lag Noon 37
2								
3								This Day Commenced with
4	40		E x N					Fresh Breeze from S.E. and
5								Dense fog Wind increasing
6								from South with fog and mist
7								Took in the gallant and
8	29		E x S					main sail jib and stay sail
9								2 a.m. the wind hauled to
10								S.W. with breeze fresh and
11								a big sea running
12	40		E x S					set the gallant sail
1								and jib to wards
2								morning the wind moderate
3								set the royal and the
4	42		E x S					sea going down
5								Pump well light and
6								lookout attended to End
7								of 14th Day out
8	37		E x S					
9								
10								
11								
12	38		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.
S 63° E	218	1° 28'	174' 3"	48° 46'	48° 48'	21° E	4° 21'	147° 58'	147° 38'

Journal from *Nushagak River* towards *San Francisco*

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									This Day Commenced with Moderate Breeze and overcast Big S.W. Swell
2									
3									
4	33		E x S	W	-				
5									
6									Sighted Tacoma. Ship Wind on getting light The S.W. Swell is going down. But overcast with light mist at times Set the Spouters and Ring Tail Lopedail Hauled down the Staysail
7									
8	26		"	"	"	-			
9									
10									
11									Pump Well light and lookout extended to 15. Days out.
12	25		"	"	W.N.W	-			
1									
2									
3									
4	26		"	"	"	-			
5									
6									
7									
8	18		"	"	W.N.W	-			
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 61° E	141	1° 8'	123' 3"	47° 38'	47° 37'	21° E	2° 23'	145° 9'	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Log noon 93 This Day Commenced with light wind and Moderate Sea Cloudy Weather
2									
3									
4	11		E x S.						
5									
6									Light Air and Variable Changed to South Sea Moderate Ship Tacoma is 10 miles on Leebow Pump Well and lookout extended to 16 Days out
7									
8	11		E x S						
9									
10									
11									
12	7		E x S						
1									
2									
3									
4	13		E x S						
5									
6									
7									
8	9		E x S						
9									
10									
11									
12	8		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. 62° E	59	21° 1'	61'	47° 9'	46° 55'	21° E	1° 1'	142° 36'	

Journal from *Nushagak River* towards *San Francisco*

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Sunday 31 st day of Aug 1914 Log noon 71 This Day Commenced with light air and over- cast Moderate Sea. Towards Evening the wind increasing But very variable in force the Sea on getting smooth but continuously cloudy rather the ship Tacoma or still in as company gentle Breeze and overcast all sail set Pump Well and light lookout attended to 17. Days out
2									
3	11		E x N	S.S.E					
4									
5									
6									
7	21		E 1/2 N.	- - "					
8									
9									
10									
11									
12	20		"	"	"	"			
1									
2									
3									
4	19		East	S.S.E					
5									
6									
7									
8	20		"	"	"	"			
9									
10									
11									
12	18		E.N.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.
S 79° E	115.	21° 9'	112' 9"	46° 33'	46° 24'	22° E	2° 37'	140° 02'	140° 18'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Baromete	REMARKS
						Air	Water		
1									September 1 st day of 1914 Log Noon 85 This Day Commenced with Moderate Breeze and S.W. Swell Cloudy gloomy looking weather Wind Variable in force
2									
3									
4	32		E x S	South	-				
5									
6									Light Rain Moderate Breeze The Wind shifted to North West with gentle Breeze and Partly Clear all sail set Pump Well light and lookout all to 18. Days out
7									
8	23		E 1/2 N	S x E	-				
9									
10									
11									
12	28		"	"	"	"			
1									
2									
3									
4	32		E x S	S	-				
5									
6									
7									
8	30		E 1/4 S.	N.W	-				
9									
10									
11									
12	11		E 1/2 S	N.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 62° E	156	1° 18'	137' 7"	45° 11'	45° 9'	21° E	3° 16'	138° 20'	137° 56'

Journal from Mushagak River towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lay noon 41
2									
3									This Day Commenced
4	10		East	West					with light Wind and variable
5									Partly Cloudy Moderate Sea
6									
7									
8			S.E. x E	N.E.					
9	17								
10									
11									Fresh Breeze Moderate
12	17		E.	N.N.E.					Sea Wind variable in
1									force with passing showers
2									of rain
3									
4	32		E 3/4 S	N.N.E.					
5									
6									Pump Wells light and
7									lookout attached to
8	38		E x S	"					19. Days out.
9									
10									
11									
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.
S 52° E	136	1° 23'	106'	43° 46'	43° 36'	21° E	2° 25'	135° 34'	136° 22'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lag at noon 86.
2									
3									This Day Commenced
4	30		E 1/2 S.	N.N.E.					with Moderate Breeze.
5									and Sea. Clear Weather
6									
7									
8	28		E. x S.	N.E.					
9									
10									
11									
12	26		"	"	"				light variable winds with
1									moderate sea and overcast
2									pump well light and lookout
3									attached to 20. Days out
4	24		"	"	"				
5									
6									
7									
8	27		E 1/2 N.	N.N.E.					
9									
10									
11									
12	24		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.
S. 64° E	145	1° 6'	130'	42° 28'	42° 26'	20° E	2° 58'	132° 27'	

Journal from Mushagak River towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lag at noon 45.
2									
3									This Day Commenced with
4	28		East	N.N.E.					moderate sea and breeze
5									passing showers of light rain
6									at interval
7									
8	16		E x S	N.N.E.					
9									
10									
11									No change
12	18		EAST	"	"				
1									
2									
3									
4	17		"	"	"				Pump well light and
5									lookout attached to
6									21 Day out
7									
8	32		"	"	North				
9									
10									
11									
12	26		"	"	"				

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	128	45' 4"	122' 4"	41° 36'	41° 32'	20° E	2° 41'	129° 45'	130° 20'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lag at noon 78
2									
3									This Day Commenced
4	24		E 1/2 N	North	1/4				with light wind and
5									moderate sea Partly Cloudy
6									
7									
8	28		E 1/2 N	"	"				Fresh Breeze Smooth sea
9									Clear Weather
10									
11									
12	30		"	"	"				Fresh Breeze Moderate
1									sea Cloudy
2									Pump well light lookout
3									attached to 22. Days out
4	36		"	"	"				
5									
6									
7									
8	43		"	"	N.N.W.				
9									
10									
11									
12	36		"	"	"				

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. 70° E	148	56' 4"	155'	40° 16'	40° 16'	20° E	3° 26'	126° 56'	126° 57'

Journal from *Nushagak River* towards *San Francisco*

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1									Lay at noon 75
2									
3									This Day Commenced
4	36		E 1/2 N	North					with Fresh Breeze and
5									Moderate Sea. Clear Sky.
6									
7									
8	36		E.	" "					
9									
10									Gentle Breeze Clear Weather
11									at 12. Pm sighted land
12	35		E. S. E	" "					and the Port Bow
1									
2									
3									Pump well light and
4	33		" "	" "					lookout attended to
5									23 Days out
6									
7									
8	33		E 1/2 S	N.					
9									
10									
11									
12	33		East	N. 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 56° E	20.0	1° 40'	15.27	38° 35'	38° 31'	18° E	3° 16'	123° 26'	123° 25'

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
									Sunday 7. th day of Sept. 1914

Lay at Noon 90

This Day Commenced with
Moderate Breeze at Clear
Weather. Point Reyes abeam
at 4 P.M. Dist. 4 miles

Lug Sea Prover. Cannon took us in tow
at 6 P.M. Between North Farallon and Point Reyes
arrived. & let go anchor of the Fair ground 8.00 P.M.
in 9 fathoms of water with 60 fathoms of chain
and this ends our voyage after 24 days from
Nushagats to San Francisco

Course	Distance	Dif. of Lat.	Departure	Lat. by D.R.	Lat. by Ob.	Variation	Dif. of Lon.	Lon. by D. R.	Lon. by Ob.
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Journal from _____ towards _____

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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[illegible]

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

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of
1								In San Francisco.	
2								Friday April 9 th 15.	
3								light N & W and W wind, weather fair.	
4								Got loaded at 5.30 P.M. secured live stock pens and made vessel ready for sea. Filled water 18,000 gals. aboard.	
5								draft forward 16' 7"	
6								aft 14' 7"	
7								Part of Chinese and Mexican cannery hands came aboard during evening and night.	
8								Several watchmen employed.	
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 Air Water	Barometer	REMARKS	day of
1								light variable winds, weather fair.	
2								7 A.M. mustered vessel's crew and passengers, aboard	
3								15 in cabin,	
4								107 Italian sailors and	
5								54 Chinese and	
6								103 Mexican Cannery hands,	
7								at total of 276 men.	
8								8.30 A.M. left wharf in tow of tug, Defiance for sea.	
9								9.45 passed Point Sanita	
10								10.45 let go tug of 9 fth. buoy, all sail set, wind moderate N.W.	
11								weather partly hazy.	
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 San Francisco towards Nushagak.

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of
1								South Farrallon bore by compass. N.W. 1/2 W dist 3 mls which look as if departed.	10 th April.
2								light breeze all day.	
3								moderate S.W. swell.	
4								weather partly cloudy.	
5								Pumpwell dry.	
6								Lookout, Lights and fires attended.	
7								Living quarters inspected, life preservers and fire apparatus in place.	
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 Air Water	Barometer	REMARKS	day of
1	2		SP & PH		1/2 sh.			dev. 0	
2	2		"	"				lacked ship. light baffling winds	
3	2		"	"				dev. 2° N. first part of the day, towards the end moderate breeze.	
4	3		N & N	"				big westerly swell.	
5	3		"	"				weather partly cloudy, light fog squalls during later part of the day.	
6	3		"	"				dev. 5° N.	
7	4		"	"				lacked ship. Pumpwell dry.	
8	4		"	"				dev. 1° E.	
9	4		"	"				Lookout, Lights and fires attended.	
10	4		"	"				Living quarters inspected, life preservers and fire apparatus in their place.	
11	4		"	"					
12	4		"	"				lacked ship.	

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 Nushagak.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	8		N N H	Heel	1/2 pt.	dev. 6° N.		12 th day of April 15.
2	8							lacked ship.
3	5		S H x S	N N H		dev. 6° E.		fresh breeze all day.
4	5							big S H swell.
5	9		S H 1/2 S			dev. 6° E		weather partly cloudy.
6	9							
7	9							
8	9							
9	9							
10	9							
11	9							
12	9							
1	9		S H x H	N H		dev. 5° E		Pumps well found dry.
2	9							
3	9							
4	8		H x S			dev. 3° E.		Lookout, Lights and fires attended.
5	8							
6	8							
7	8							
8	8							
9	8							
10	7							
11	7							
12	7							

Living quarters inspected, life preservers and fire apparatus in proper places.
W. Marzan

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° N	168 mls	40.1 S	163.4' N	35° 24' N	35° 25' N	16° E	200' N	127° 47' N	127° 47' N

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	7		H S H	N H	1/2 pt.	4° E dev.		13 th day of April 15.
2	6							
3	6							
4	7							
5	8		H x S	N H x N		3° E dev.		fresh breeze all day.
6	8							heavy S H and W sea.
7	8							weather partly cloudy.
8	8							
9	8							
10	8							
11	8							
12	8							
1	8							Pumps well dry.
2	8							
3	7							Lookout, Lights and fires attended.
4	7							
5	6		H x S 1/2 S			4° E dev.		
6	6							
7	6							
8	6							
9	6							
10	6							
11	6							
12	6							

Living quarters inspected, life preservers and fire apparatus in proper places.
W. Marzan

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 89° N	168 mls	2.9 S	167.5' N	35° 22' N	35° 21' N	16° E	204' N	131° 11' N	131° 10' N

Journal from San Francisco towards Nushagak.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	7		H S H	N H	1/2 pt.	4° E dev.		14 th day of April 15.
2	8							
3	8							
4	7							
5	6							
6	6							
7	5							
8	5							
9	5		S H 1/2 H	H H W		5° E dev.		fresh breeze first part of the day, gradually dying down after midnight to calm.
10	5							big westerly swell.
11	5							
12	4							weather fair.
1	4		S H x S	H x H		6° E dev.		Pumps well dry.
2	4							
3	2							
4								
5								
6								
7								
8								
9								
10								
11								
12								

calm, no storage way, vessels drift apparently East.

Living quarters inspected, life preservers and fire apparatus in proper place and order.
W. Marzan

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
70° N	79 mls	27.2 S	74.4' N	34° 54' N	34° 55' N	16° E	91' N	132° 41' N	132° 34' N

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	1		H N H	South	no.	2° N dev.		15 th day of April 15.
2	1							
3	1							
4	1							
5	5		H x H					light breeze beginning of day, gradually increasing to strong breeze.
6	5							heavy S H swell.
7	5							
8	5							
9	7							weather partly cloudy with light haze squalls.
10	8							
11	8							
12	7							
1	7							Pumps well dry.
2	7							
3	7							
4	7							Lookout, Lights and fires attended.
5	6							
6	6							
7	6							
8	6							
9	9							
10	9							
11	9							
12	9							

Living quarters inspected, life preservers and fire extinguishers apparatus in proper places and order.
W. Marzan

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 69° 14'	141 m	67.8' N	124.9'	36° 02'	36° 03'	16° E	154'	132° 40'	132° 40'

Journal from San Francisco towards Nushagak.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	10		H x N.	East	no.			16 th day of April 15.
2	10		"	"	"			Strong breeze all day.
3	10		"	"	"			Sea moderating and
4	10		"	"	"			running more from South.
5	10		"	"	"			weather part cloudy.
6	11		"	"	"			
7	11		"	"	"			
8	11		"	"	"			
9	11		"	"	"			
10	11		"	"	"			
11	11		"	"	"			
12	10		"	"	"			
1	10		"	"	"			
2	10		"	"	"			Pumps sounded, dry.
3	10		"	"	"			Lookout, Lights and fires
4	10		"	"	"			attended.
5	10		"	"	"			
6	10		"	"	"			
7	10		"	"	"			
8	10		"	"	"			
9	10		"	"	"			Living quarters inspected,
10	10		"	"	"			live preservers and fire
11	10		"	"	"			apparatus in place & good order.
12	10		"	"	"			

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 61° W	246 mls	119.3'	215.2'	38° 02'	38° 03'	18° E	270'	139° 31'	139° 38' W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	10		H x N	NE	no.			17 th day of April 15.
2	10		"	"	"			Strong breeze all day.
3	10		"	"	"			moderate east swell.
4	10		"	"	"			weather clear.
5	10		"	"	"			
6	10		"	"	"			
7	10		"	"	"			
8	10		"	"	"			
9	10		"	"	"			
10	10		"	"	"			
11	10		"	"	"			
12	10		"	"	"			
1	10		"	"	"			Pumps sounded, dry.
2	10		"	"	"			Lookout, Lights and fires
3	10		"	"	"			attended.
4	10		"	"	"			
5	10		"	"	"			
6	10		"	"	"			
7	9		"	"	"			Living quarters inspected,
8	9		"	"	"			live preservers and fire
9	9		"	"	"			apparatus in order and place.
10	9		"	"	"			
11	9		"	"	"			
12	9		"	"	"			

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 63° W	234 mls	106.2'	208.5'	38° 49'	38° 49'	18° E	268'	144° 06'	144° 04' W.

Journal from San Francisco towards Nushagak.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	9		H x N 1/2 N	NE	no.			18 th day of April 15.
2	9		"	"	"			Strong breeze all day.
3	9		"	"	"			moderate SE swell.
4	9		"	"	"			weather partly cloudy.
5	9		"	"	"			Mizzen top mast carried away
6	9		"	"	"			above top mast rigging.
7	10		"	"	"			
8	10		"	"	"			
9	10		"	"	"			
10	10		"	"	"			
11	10		"	"	"			
12	9		"	"	"			
1	9		"	"	"			Pumps well dry.
2	9		"	"	"			
3	9		"	"	"			Lookout, Lights and fires
4	9		"	"	"			attended.
5	9		"	"	"			
6	9		"	"	"			
7	9		"	"	"			
8	9		"	"	"			
9	9		"	"	"			Living quarters inspected,
10	9		"	"	"			live preservers and fire
11	9		"	"	"			apparatus in order and
12	9		"	"	"			place.

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 54° W	221 mls	129.9'	178.8'	41° 59'	41° 59'	19° E	237'	148° 01'	148° 02' W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	8		H x N 1/2 N	East	no.			19 th day of April 15.
2	8		"	"	"			fresh breeze, moderating later
3	7		"	"	"			part of the day.
4	7		"	"	"			moderate SE swell.
5	7		"	"	"			weather cloudy with light
6	7		"	"	"			rain squalls.
7	7		"	"	"			
8	7		"	"	"			
9	7		"	"	"			
10	7		"	"	"			
11	7		"	"	"			
12	7		"	"	"			
1	7		"	"	"			Pumps well dry.
2	7		"	"	"			
3	6		"	"	"			Lookout, Lights and fires
4	6		"	"	"			attended.
5	6		"	"	"			
6	6		"	"	"			
7	6		"	"	"			
8	6		"	"	"			
9	6		"	"	"			Living quarters inspected,
10	6		"	"	"			live preservers and fire
11	6		"	"	"			apparatus in order and
12	6		"	"	"			place.

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 63° W	160 mls	91.8'	131.1'	43° 31'	43° 31'	19° E	176'	147° 02'	147° 02' W.

Journal from San Francisco towards Nushagak.

FORM No. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	6		N N W	S W	1/2 pt.	2° N dev.		20 th day of April 15.
2	7		"	"				moderate breeze, gradually
3	7		"	"				dying out after midnight.
4	7		"	"				moderate to big S W sea.
5	6		N N 1/2 W	N S W		4° N dev.		weather partly cloudy.
6	6		"	"				
7	6		"	"				
8	6		"	"				
9	6		N N 1/2 W	S W 1/2 W		3° N dev.		
10	6		"	"				
11	6		"	"				
12	6		"	"				
1	3		N N W	West				lack of ship. Pumps sounded.
2	4		N S W	N N		4° E dev.		
3	5		"	"				Lookout, Lights and fire
4	5		"	"				attended.
5	4		"	"				
6	4		"	"				
7	4		"	"				
8	3		"	"				
9	2		"	"				
10	2		"	"				Living quarters inspected,
11	2		"	"				life preservers and fire
12	1		"	"				apparatus good and in place.

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

N 54° W 101 mi 59' N 81.7' W 44° 30' 44° 29' 19° E 113' W 152° 50' W 152° 49' W

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1								21 st day of April 15.
2								
3								calm.
4								calm and light breeze,
5	1		N N W	South	no	2° N dev.		gradually increasing to
6	1		"	"				strong breeze after midnight.
7	3		"	"				
8	3		"	"				big S W sea.
9	6		N N 1/2 W	S S W		2° N dev.		overcast sky, light drizzly
10	6		"	"				rain.
11	7		"	"				
12	7		"	"				
1	9		"	S W	1/2 pt.	2° N dev.		
2	10		"	"				Pumps sounded.
3	10		"	"				
4	10		"	"				Lookout, Lights and fire
5	9		"	S W				attended.
6	9		"	"				
7	9		"	"				
8	9		"	"				
9	9		N N 1/2 W	N S W		4° N dev.		Living quarters inspected,
10	9		"	"				life preservers and fire
11	9		"	"				apparatus in order and place.
12	9		"	"				

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

N 39° W 144 mi 112.2' N 90.7' W 46° 2' 15° E 129' W 154° 58' W

Journal from San Francisco towards Nushagak.

FORM No. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	8		N N W	West	1 1/2 pt.	5° N dev.		22 nd day of April 15.
2	8		"	"				look in royals and gallant sails.
3	8		"	"				
4	8		"	"				blowing hard all day.
5	7		"	"				big S W sea.
6	7		"	"				weather partly cloudy.
7	6		"	"				
8	6		"	"				
9	5		"	"				furled topsails.
10	5		"	"				
11	5		"	"				
12	4		"	"				
1	4		"	"				Pumps sounded; dry.
2	4		"	"				
3	4		"	"				Lookout, Lights and fire
4	4		"	"				attended.
5	4		"	"				
6	4		"	"				Set main topsail.
7	4		"	"				
8	3		"	"				
9	3		N N 1/2 W	"		5° N dev.		Living quarters inspected,
10	3		"	"				life preservers and fire
11	3		"	"				apparatus in order and place.
12	3		"	"				W. Marzan

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

N 42° E 120 mi 118.9' N 15.7' E 48° 20' 48° 19' 19° E 23' E 154° 35' W 154° 36' W

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	5		N N 1/2 W	H x S	1 pt.	6° N dev.		23 rd day of April 15.
2	4		"	"				
3	4		"	"				blowing fresh all day.
4	4		"	"				big S W sea.
5	4		"	"				Rain.
6	4		"	"				
7	4		"	"				Set fore topsail.
8	4		"	"				3° N dev.
9	4		N N W	S W				
10	5		"	"				
11	4		"	"				Pumps well dry.
12	5		"	"				
1	7		"	"				
2	7		"	"				
3	8		"	"				
4	8		"	"				furled fore topsail and jib
5	7		N x N	S S W		2° N dev.		
6	7		"	"				
7	7		"	"				
8	7		"	"				
9	6		"	"				furled main topsail.
10	6		"	"				Living quarters inspected,
11	6		"	"				life preservers and fire
12	6		"	"				apparatus in order and place.

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

N 34° W 128 mi 103.2' N 76.0' W 10° 23' 19° E 101' W 155° 11' W

Journal from San Francisco towards Nushagak

FORM No. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	4		WNW	SW	2 pts.	3° H dew.		24 th day of April 15.
2	5		"	"				blowing hard all day.
3	4		"	"				big SW sea.
4	5		"	"				weather cloudy with rain-
5	4		"	"				squalls, later part of day
6	5		"	"				partly clearing.
7	4		"	"				6° H dew.
8	5		NW	WSW				furled spanker.
9	5		"	"				
10	5		"	"				
11	5		"	"				
12	5		"	"				
1	5		"	"				Pumps sounded.
2	5		"	"				
3	5		"	"				
4	5		"	"				
5	4		NNW	West		4° H dew.		Lights, Lookout and fires
6	5		"	"				set spanker. attended.
7	4		"	"				
8	5		"	"				passed ship, Tacoma.
9	4		"	"				
10	5		"	"				Living quarters inspected,
11	4		"	"				life preservers and fire
12	5		"	"				apparatus in place and good

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 8° W 107 mls 105.8' N. 14.5' W 51° 49' N 51° 49' N. 19° E 23' N 156° 40' N 156° 38' W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	3		NNW	W.	2 pts.	6° H		wore ship.
2	4		South	WSW		2° E dew		
3	4		"	"				blowing fresh first part
4	4		"	"				of the day, later part modera-
5	3		"	"				ting.
6	3		"	"				big SW sea.
7	3		"	"				weather cloudy with light
8	3		"	"				rain showers, partly clearing
9	3		"	"				later part of the day.
10	3		"	"				
11	3		"	"				
12	3		"	"				
1	2		"	"				Pumps sounded; dry.
2	3		"	"				
3	2		"	"				Lookout, Lights and fires
4	3		"	"				attended.
5	3		"	"				
6	3		"	"				wore ship. set topsails.
7	4		NW	"	1 pt.	4° H dew.		
8	4		"	"				Living quarters, life preservers
9	6		"	"				and fire apparatus inspected
10	6		"	"				and found in order.
11	6		"	"				in company with ship, Tacoma.
12	6		"	"				set all sail. W Morgan

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 8° W 107 mls 105.8' N. 14.5' W 51° 49' N 51° 49' N. 19° E 23' N 156° 40' N 156° 38' W.

Journal from San Francisco towards Nushagak

FORM No. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	7		NW	WSW	1/2 pt.	4° H dew.		26 th day of April 15.
2	7		"	"				moderate and light winds.
3	7		"	"				big SW sea.
4	7		"	"				
5	5		"	"				lacked ship.
6	5		"	"				8° H dew.
7	3		N x E	WNW		4° E dew.		weather partly cloudy.
8	3		S x N	West		2° E dew.		
9	3		South	WSW				lacked ship.
10	3		"	"		3° H dew.		
11	5		NW x N	"				Pump well dry.
12	6		"	"				
1	3		N x N	West		5° H dew.		
2	3		"	"				lacked ship.
3	1		S x N	NW		5° E dew.		
4	2		S x N	WNW		6° E dew.		Lookout, Lights and fires
5	4		"	"				attended.
6	5		"	"				
7	5		"	"				
8	6		"	"				
9	8		South	WSW		2° E dew.		Living quarters inspected,
10	8		"	"				life preservers and fire extinguish-
11	8		"	"				apparatus in place and good
12	8		"	"				order. W Morgan

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 8° W 107 mls 105.8' N. 14.5' W 51° 49' N 51° 49' N. 19° E 23' N 156° 40' N 156° 38' W.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	10		S x E	WSW	1/2 pt.	1° E dew.		lacked ship. fresh breeze gradually
2	4		"	"				increasing after sunset to
3	12		NNW	West		5° H dew.		fresh gale.
4	8		"	"				
5	8		"	"				lacked ship. big SW sea.
6	8		"	"				
7	6		S 1/2 E	WSW		1° E dew.		weather cloudy, rain squalls
8	6		"	"				during the night, partly clearing
9	6		S 1/2 E	SW		0 dew.		towards the end of the day.
10	6		"	"				furled light sails.
11	6		"	"				Lights and Lookout
12	6		"	"				attended.
1	7		S E	WSW	1 pt.	3° H dew.		furled main gallantsail and
2	8		"	"				fore upper topsail.
3	6		WNW	SW	2 pts.	3° H dew.		fore sail and main upper topsail
4	6		"	"				carried away, furled same.
5	4		"	"				
6	4		"	"				bent new foresail and set it.
7	4		"	"				
8	4		"	"				
9	3		"	"				bent new main upper topsail and
10	3		"	"				furled same.
11	3		"	"				W Morgan
12	3		"	"				living quarters, life preservers and fire

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 8° W 107 mls 105.8' N. 14.5' W 51° 49' N 51° 49' N. 19° E 23' N 156° 40' N 156° 38' W.

Journal from San Francisco towards Nuohagake.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	3		NH x N	SH	2 pl.	3° H dev.		blowing fresh with hard squalls during first part of the day, after daylight moderating.
2	4							big SH sea.
3	3							
4	4							
5	3		NH x N			2° H dev.		
6	2							
7	2							
8	3							
9	4		NH 1/2 N	SH		4° H dev.		weather partly cloudy, rain during squalls.
10	4							
11	4							
12	4							
1	5							Pumps well dry.
2	5							
3	5							Set upper topsails.
4	5		West	SH	1 pl.	1° E dev.		Lights, Lookout and fires attended.
5	5							
6	5							Set all sail.
7	5							
8	5							
9	6				1/2 pl.			
10	6							Living quarters inspected, life preservers and fire extinguishing apparatus in good order & in place.
11	6							
12	7							

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 31° W	93 mls	79.8' N	48.1' W	52° 57' N	52° 57' N	20° E	78' W	159° 32' W	159° 32' W

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	9		West	South	no.	1° E dev.		
2	9							Strong breeze up to midnight moderate breeze the rest of the day.
3	10							big SH sea.
4	10							
5	10							
6	10							
7	9							
8	9							
9	9		N x S			3° E dev.		weather fair.
10	9							
11	9							
12	9							
1	4		N x N	SH x S	1/2 pl	0 dev.		Pumps sounded; dry.
2	4							
3	4							
4	4							Lookout, Lights and fires attended.
5	6		NH x H 1/2 N	SH		3° H dev.		
6	6							
7	6							
8	6							
9	6		West	SH		1° E dev.		Living quarters inspected, life preservers and fire apparatus in proper place & order.
10	6							
11	6							
12	6							

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	173 mls	85.2' N	157.0' W	54° 22' N	54° 22' N	20° E	254' W	163° 46' W	163° 47' W

Journal from San Francisco towards Nuohagake.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	8		W x N	South	1/2	4° E dev.		sighted 2 ships and strong breeze all day.
2	9							weather clear.
3	9							
4	9							Scotch caps bore by Std. comp. NH x N, dist 6 mls.
5	9		various		no			Cape Sanitrey, N x N, dist 6 mls.
6	9							took this position as new departure.
7	9		NN x E	SE		2° H dev.		choppy easterly sea.
8	9							
9	10		N x E			3° H dev.		heavy squalls, look in light sails.
10	8		NN x E	SE				light drizzly rain.
11	7							
12	7							
1	3							Pumps sounded; dry.
2	8							
3	3							
4	5		N x 1/2 N	East	1 pl.	1° H dev.		Lookout, Lights and fires attended.
5	4							
6	3							
7	3							
8	3							
9	2		East	SE	4 pl.	2° H dev.		hove to on Starboard tack.
10	2							Living quarters inspected, life preservers and fire extinguishers in proper place and order.
11	2							
12	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 31° W	93 mls	79.8' N	48.1' W	52° 57' N	52° 57' N	20° E	78' W	159° 32' W	159° 32' W

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	2		East	SE	4 pl.	2° H dev.		ruined moderating, squalls getting lighter and of less frequency.
2	1							overcast sky, haze over the land.
3	2							
4	1							
5	2							Set fore sail and upper topsails.
6	2							spoke ship, Tacoma.
7	5		N x 1/2 E	SE	1/2 pl.	1° H dev.		
8	5							
9	4		N x N			1° H dev.		heavy choppy sea from SE.
10	3							
11	3							
12	4							
1	4							Pumps well dry.
2	4							
3	4							Lookout, Lights and fires attended.
4	4							
5	4							
6	3							
7	4							
8	3							
9	6		N x 1/2 E			1° H dev.		Set gallant sails.
10	6							Living quarters inspected, life preservers and fire extinguishers in order and place.
11	6							
12	6							

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	173 mls	85.2' N	157.0' W	54° 22' N	54° 22' N	20° E	254' W	163° 46' W	163° 47' W

Journal from San Francisco towards Nushagak.

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	2 nd day of May 15.
1	5		NNW	SE	no.	2° W dev.			
2	5		"	"				moderate breeze all day.	
3	4		"	"				moderate sea from SE.	
4	4		"	"				weather cloudy with	
5	4		"	"				light haze on horizon.	
6	4		"	"					
7	4		"	"					
8	4		"	"					
9	5		N 1/2 W	"		1° W dev.			
10	5		"	"					
11	5		"	"					
12	5		"	"					
1	6		"	"				Pumps sounded; dry.	
2	6		"	"					
3	6		"	"					
4	5		"	"					
5	8		"	"					
6	8		"	"				Lookout, Lights and fires	
7	7		N 1/2 E	Souther		1° W dev.		attended.	
8	7		"	"					
9	5		N 1/2 E	"		1° W dev.		Living quarters inspected,	
10	5		"	"				life preservers and fire extinguishers	
11	4		"	"				in place and order.	
12	4		"	"				Ugashik bore E x N 1/4 N. W Marzan	

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° E 123 mls. 71.1 N. 100.4 E 57° 36' N — 19° E 184 E 158° 19' N —

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	3 rd day of May 15.
1	4		N 1/2 W	NNH	1/2			Sounded, 17 fths, gray sand.	
2	3		"	"					
3	3		NNH	NNH					
4	4		"	"					
5	3		NNH x N 1/2 W	"					
6	4		"	"				Sounded 20 fths. gray sand & shells.	
7	4		"	"					
8	4		"	"					
9	3		"	"					
10								9.30 anchored in 19 fths water with	
11								Starboard anchor and 60 fths of	
12								chain.	
1								moderate northerly wind, light	
2								haze, sea smooth.	
3								Ships routine attended,	
4								Sea watches kept.	
5									
6									
7								This day ends at midnight, log hereafter kept in	
8								civil time.	
9									
10								Voyage from San Francisco to anchorage 23 1/2 day's.	
11								W Marzan	
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 San Francisco towards Nushagak.

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of
1									Monday May 4 th 15.
2								light to moderate North wind, sea smooth,	
3								weather partly cloudy.	
4								10.30 A.M. hove short. got under way 11 A.M. beating	
5								towards Nushagak river.	
6								3 P.M. Cape Constantine bore NNH, dist 20 mls.	
7								In company with ship, 'Jacoma' and barge, 'Star of Iceland'.	
8								8.45 anchored with Starboard anchor and 45 fths chain	
9								in 13 fths of water. Protection point bearing NN 1/2 N.	
10								Ship, 'Jacoma' anchored about 4 mls dist, bearing	
11								E x N 1/2 N by Std. Compass.	
12								Lights and fires attended, kept sea watches.	
1								Living quarters, life preservers and fire extinguishers	
2								apparatus inspected and found in order and place.	
3									
4								Position of ships by observation	
5								58° 12' N	
6								158° 19' N.	
7									
8									
9								Wednesday May 5 th 15.	
10								moderate to fresh breeze from NNH.	
11								choppy sea from NNH. weather fair. W Marzan	
12								Laying to anchor all day. Ship routine attended,	
								sea watches kept.	

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 Air Water	Barometer	REMARKS	day of
1									Thursday May 6 th 15.
2								fresh to strong NNH breeze all day. choppy	
3								NNH sea, weather fair.	
4								Laying at anchor all day.	
5								8 A.M. after ebbside got strong gave anchor	
6								an additional 15 fths of chain (60 fths in all) and	
7								put relieving tackle on chain.	
8								Ships routine attended, sea watches kept.	
9									
10									
11									
12									
1								Friday May 7 th 15.	
2								blowing fresh from NNH, choppy NNH sea.	
3								weather clear. Laying at anchor all day.	
4								Ships routine attended.	
5								4.15 M weather moderating hove up anchor	
6								and proceeded to beat with flood tide towards	
7								entrance of Nushagak river.	
8								8.15 P.M. let go anchor again in 11 fths water,	
9								45 fths chain. Sea watches kept.	
10								Cape Constantine bore N x E	
11								W Marzan	
12								Position by obs. 58° 22' N 158° 19' 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.

Journal from in Nushagak. towards

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of
								Saturday May 8 th 15.	
1								light to moderate N H wind, sea smooth, weather fair.	
2								Unbent light fore and aft sails and royals.	
3								Put Cargo Span and Lift up.	
4								Ships routine attended, Sea watches kept.	
5								P. M. Ship "Tacoma" beat past vessel and	
6								anchored at dusk c. 5 mls N x N 1/2 N of vessel.	
7									
8									
9									
10									
11									
12									
1								Sunday May 9 th 15.	
2								light variable wind and calm S. M.	
3								P. M. moderate S. W. sea smooth, weather fair.	
4								Ships routine attended, Sea watches kept.	
5									
6									
7									
8									
9									
10									
11									
12									
1								Monday May 10 th 15.	
2								light variable wind, sea smooth, weather fair.	
3								Sent royal yards on deck.	
4								Ships routine attended, Sea watches kept.	
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 Air Water	Barometer	REMARKS	day of
								Tuesday May 11 th 15.	
1								light to moderate S H and H wind.	
2								Smooth sea, weather fair.	
3								8 A. M. hove up anchor and proceeded to	
4								beat up towards Nushagak, 1 P. M. anchored	
5								in 7 1/2 fths. with Starboard anchor and	
6								35 fths. chain.	
7								Cape Eolin bore N x H,	
8								Protection paint H x H.	
9								Ship, Tacoma, anchored about 2 mls off	
10								bearing S x E 1/4 E,	
11								bark, Star of Iceland 5 mls N H 1/2 H.	
12								Ships routine attended, Sea watches kept.	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
1								Wednesday May 12 th 15.	
2								fresh easterly winds. choppy sea.	
3								weather partly cloudy.	
4								6 P. M. gave anchor 15 fths additional	
5								chain (50 fths) and put relieving tackle	
6								on same.	
7								Ships routine attended,	
8								Kept Sea watches.	
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 in Nushagak. towards

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of
								Thursday May 13 th 15.	
1								Strong easterly wind. choppy sea.	
2								partly cloudy weather.	
3								6 A. M. spoke S. S. Nushagak, same went up	
4								river with, Star of Iceland, in tow.	
5								6 P. M. S. S. Koviak with, Star of England, passed.	
6								Ships routine attended, Sea watches kept.	
7									
8									
9									
10									
11									
12									
1								Friday May 14 th 15.	
2								light to moderate S E wind, weather fair.	
3								6 A. M. hove short, waiting for S. S. Nushagak.	
4								same came out but took, Tacoma, in tow.	
5								Gave anchor chain again (45 fths) on turn of tide.	
6								Ships routine attended, Sea watches kept.	
7									
8									
9									
10									
11									
12									
1								Saturday May 15 th 15.	
2								light to moderate S E wind, weather fair.	
3								8 A. M. hove short, waiting for S. S. Nushagak.	
4								11 A. M. S. S. Nushagak, took vessel in tow	
5								for Nushagak river. Set all sail. 1 P. M. wind	
6								getting very light, hove up all sail. 2 P. M. wind	
7								dropped anchor off Clarke Cannery, Starboard	
8								anchor and 30 fths of chain. Lights attended,	
9								Weather employed.	
10									
11									
12									
1								Sunday May 16 th 15.	
2								Calm and light baffling winds, weather fair.	
3								2 P. M. hove short. 3 A. M. S. S. Nushagak	
4								took vessel in tow for up river. 5 P. M. dropped	
5								Starboard anchor and 30 fths chain off	
6								Skandinavian Cannery. 6 P. M. Cannery hands	
7								and Italian Fishermen went ashore, 3 P. M.	
8								Chinese and Mexican Cannery hands went also	
9								ashore, leaving the maker, Carpenter and 15 Italian	
10								sailors aboard. 6 P. M. loaded lighter with	
11								live stock. Lights attended, Night watchman	
12								employed.	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
1								Monday May 17 th 15.	
2								Moderate S E wind, weather fair.	
3								3 A. M. started loading lighter with Stores, Nets	
4								and lines, finishing same 7 A. M. Cleaned ship.	
5								Lights attended, Night watch kept.	
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 in Nushagak. towards

H	K	F	COURSES	WINDS	LEEWAY	Thermometer	Barometer	REMARKS	day of
				Air	Water	Air	Water		
1								fresh S.E. wind all day, weather fair first part of day, later part cloudy.	
2								4 A.M. started loading lighter with Chinese provisions and tin of 1100 cases, finishing same	
3								7.30 A.M. sent gallant yards on deck.	
4								11 A.M. S.S. Nushagak came alongside and moored vessel, 45 fms chain on each anchor. Schooner "Levi P. Burgess" arrived and anchored about 1 mile N.E. of vessel.	
5								Lights attended, Night watchman employed.	
6									
7									
8									
9									
10									
11									
12									

Wednesday May 19th 15.

Moderate South and S.W. breeze, weather fair. 2.30 A.M. started loading lighter with Italian stores, finished same 6 A.M. and started other lighter with cannery supplies finishing at 9 A.M. Cleaned fishermen's quarters. Ship "E.M. Whitney" arrived, moored about 1 mile N.E. of vessel. Lights attended, Night watchman employed.

Thursday May 20th 15.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer	Barometer	REMARKS	day of
				Air	Water	Air	Water		
1								Light to moderate S.W. wind, weather fair.	
2								2.30 A.M. started loading lighter, tin and stores, finishing 5.30, 6 A.M. started other lighter with cannery supplies, finishing same 9 A.M. At low water pumped two after tanks full of water for additional stiffening. Unshipped bobstay and sent same ashore.	
3								Lights attended, Night watchman employed.	
4								Ship Berlin arrived, anchoring N.E. of vessel dist 1/2 ml.	
5									
6									
7									
8									
9									
10									
11									
12									

Friday May 21st 15.

Moderate to fresh South wind, weather fair. 3 A.M. started loading lighter, tinplate cannery stores and can boxes, finishing at 7 A.M. Low water filled balance of water tanks. Ship "Indiana" arrived anchoring 1/2 ml S.W. of vessel. Lights attended, Night watchman kept.

Journal from in Nushagak. towards

H	K	F	COURSES	WINDS	LEEWAY	Thermometer	Barometer	REMARKS	day of
				Air	Water	Air	Water		
1								light southerly winds, weather fair.	
2								3 A.M. started loading lighter with cannery supplies, finishing same at 6 A.M.	
3								Cleaned ship and started repairing sails.	
4								Shr. "Premier" arrived, anchoring 1 ml. S.W. of vessel.	
5								Lights and Night watchman attended.	
6									
7									
8									
9									
10									
11									
12									

Sunday May 23rd 15.

light to moderate southerly winds, weather fair. Kept Sunday. Lights and Night watchman attended.

Monday May 24th 15.

moderate S.E. wind, weather cloudy. 2.30 A.M. started loading lighter with cannery supplies, finishing same at 7 A.M. Sails finishing cargo. Cleaned ship's hold and repaired sails. Lights and Night watchman attended.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer	Barometer	REMARKS	day of
				Air	Water	Air	Water		
1								moderate easterly wind with fresh squalls.	
2								weather clearing, light rain showers during afternoon and night.	
3								2 A.M. crew with exception of 24. mate and 3 sailors went ashore.	
4								Repairing sails. Lights attended.	
5									
6									
7									
8									
9									
10									
11									
12									

Wednesday May 26th 15.

fresh North and N.W. winds, weather cloudy with rain squalls. Repairing sails. Lights attended.

Thursday May 27th 15.

moderate North and N.W. winds first part of the day, later part heavy S.W. squalls. Weather cloudy, heavy rain during squalls. Repaired sails, unmoored cargo gear. 2 P.M. 24. mate and one man left for Clarke cannery.

Friday May 28th 15.

fresh S. and S.W. breeze with heavy squalls. Rain showers. 10 A.M. all hands left vessel, same. Securely moored and cleared for the season.

Journal from *Nushagak* towards

Journal from *Nushagak* towards

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of
1								Tuesday Aug 3 rd 15.	
2								light to moderate S.W. wind, weather fair.	
3								10 A.M. Captain, Mate and 15 Italian sailors	
4								came aboard. Rigged cargo gear.	
5								Carpenter repairing main top gallant yard.	
6								Night watch attended.	
7									
8									
9									
10								Wednesday Aug. 4 th 15.	
11								light northerly wind, weather cloudy with	
12								light rain showers.	
1								Took in 2500 cases "arctic" brand of canned	
2								Salmon, placing same forward and aft in	
3								lower hold. balance of day doing odd repairing	
4								jobs on rigging, Carpenter finished main	
5								top gallant yard.	
6								2500 cases. Night watch attended.	
7									
8									
9									
10								Thursday Aug 5 th 15.	
11								light to moderate S.W. wind, weather partly	
12								cloudy.	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of
1								Friday Aug. 6 th 15.	
2								fresh S.E. wind. Rain.	
3								doing odd repairing jobs. Carpenter overhauled	
4								main hole plates of fresh water tanks and	
5								secured same.	
6								Night watch attended.	
7									
8								Saturday Aug. 7 th 15.	
9								moderate westerly winds, weather fair, towards	
10								the end of the day clouding up.	
11								Sent fore top gallant yard and royal yard aloft	
12								and hove their gear.	
1								Cleaned ship.	
2								Night watch attended.	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of
1								Sunday Aug. 8 th 15.	
2								Strong S.W. wind. weather cloudy,	
3								Water and Lights attended.	
4									
5								Monday Aug. 9 th 15.	
6								light variable winds, weather fair.	
7								Bent square sails in the fore.	
8								Loaded 5850 cases, "arctic" brand canned	
9								Salmon, placing same in lower hold amidships	
10								11 A.M. ship "Indiana" left her anchorage and	
11								departed for "Clarks" cannery.	
12								While bending the fore sail Paolo Gorta,	
1								one of the sailors, over balanced himself and	
2								fell off the fore yard. He struck the stipes rail	
3								a glancing blow and went overboard. When	
4								rescued he showed badly bruised nose and	
5								bruised leg and was immediately taken ashore	
6								for medical attendance.	
7								5850 cases. Night watch and Lights attended.	
8									
9									
10								Tuesday Aug. 10 th 15.	
11								moderate S.W. wind. Rain.	
12								Loaded 3550 cases, "arctic" brand canned	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of
1								Wednesday Aug 11 th 15.	
2								calm and light variable winds. Cloudy with	
3								light drizzly rain squalls.	
4								Bent square sails in the main.	
5								Loaded 3930 cases, "arctic" brand canned Salmon,	
6								putting same forward and aft in lower hold.	
7								3930 cases. Night watch and Lights attended.	
8									
9								Thursday Aug. 12 th 15.	
10								moderate northerly wind. weather partly	
11								cloudy.	
12								Loaded 4950 cases, "arctic" brand canned salmon,	
1								placing same forward and aft in lower	
2								hold.	

Journal from Nushagak towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	4		S x W	North	no	dev. 4° E			19 th day of August 15.
2	6		"	"					moderate winds all day.
3	5		"	"					sea smooth.
4	6		"	"					weather fair.
5	6		"	"					
6	6		"	"					
7	6		"	"					
8	6		S x W	"		dev. 6° E			Current setting in 24 mls N.W. during the day.
9	5		"	"					Pumps sounded, dry.
10	5		"	"					
11	5		"	"					
12	5		"	"					
1	6		"	"					
2	6		S x W	N x E		dev. 4° E			Lookout, Lights and fires attended.
3	5		"	"					
4	5		"	"					
5	5		"	"					
6	5		"	"					all sail set.
7	4		South	N x E		dev. 2° E.			
8	4		"	"					
9	4		"	"					Living quarters inspected, life preservers and fire apparatus in good order and place.
10	5		"	"					
11	5		"	"					
12	5		"	"					

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 45° N	116 mls	81.7' S.	82.6' N	55° 53' N	55° 53' N	19° E	150' N	164° 33' N	164° 33' N

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	4		S x E	E x N	none	dev. 1° E			20 th day of Aug. 15.
2	4		"	"					light winds all day.
3	4		"	"					sea smooth.
4	4		"	"					
5	3		"	"					weather cloudy, during the night light fog.
6	3		"	"					
7	3		"	"					
8	3		"	"					
9	3		South	West		dev. 2° E			Current setting in 24 mls. N.W. during the day.
10	2		"	"					
11	3		"	"					
12	3		"	"					
1	2		"	"					Pumps sounded, found dry.
2	2		"	"					
3	2		"	"					
4	2		"	"					
5	3		S x W	"		dev. 4° E.			Lookout, Lights and fires attended.
6	3		"	"					
7	4		"	"					
8	4		"	"					
9	4		"	"					all sail set.
10	4		"	"					
11	4		"	"					Living quarters inspected, life preservers and fire extinguishers in place and ready for use.
12	4		"	"					

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 30° N	62 mls	48.2 S	39.7' N	55° 05' N	—	19° E	70' N	164° 43' N	—

Journal from Nushagak towards San Francisco.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	5		S x E	West	none	4° W	dev.		21 st day of Aug. 15.
2	5		"	"					moderate breeze with fresh squalls.
3	7		"	"					light fog, partly clearing at times.
4	7		"	"					
5	7		"	"					
6	9		"	"					Cape Paricheff N.E. x E 1/2 E (Std. Comp) dist 6 mls.
7	4		S x S	"		dev. 2° W.			
8	4		"	"					Scotch Cap Light E x N 1/2 N (Std Comp) dist 7 mls.
9	4		"	"					
10	8		E x E	"		dev. 5° W.			Scotch Cap Light by Std. Comp. N.W. dist 12 mls, which look as new departure.
11	6		"	"					
12	14		S x E 1/2 E	"					
1	10		"	"					strong breeze after clearing unmistak poss.
2	10		"	"					
3	9		"	"					big westerly sea.
4	9		"	"		dev. 4° W.			weather partly clearing.
5	9		"	"					
6	9		"	"					
7	9		"	"					Lookout, Lights and fires attended.
8	9		"	"					Living quarters inspected, life preservers and fire extinguishers in place & good order.
9	9		"	"					
10	9		"	"					
11	9		"	"					
12	9		"	"					all sail set.

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
46° E	124 mls	86' S	88' E	52° 52' N	52° 52' N	19° E	148' E	162° 17' N	162° 17' N

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS
						Air	Water		
1	10		E x S	N x W	none	dev. 3° W.			22 nd day of Aug. 15.
2	10		"	"					blowing strong all day.
3	10		"	"					hard squalls after sunset.
4	10		"	"					
5	10		"	"					big sea from N.W.
6	10		"	"					furled light sails.
7	11		"	"					weather cloudy with rain squalls.
8	11		"	"					
9	11		"	"					
10	11		"	"					
11	11		"	"					
12	11		"	"					furled gaff and sails.
1	14		"	"					Pumps sounded, dry.
2	11		"	"					
3	11		"	"					
4	11		"	"					
5	10		"	"					Lookout, Lights and fires attended.
6	10		"	"					
7	10		"	"					
8	10		"	"					
9	10		"	"					
10	10		"	"					Living quarters found an inspection in good order, life preservers and fire extinguishers in place and ready for use.
11	10		"	"					
12	10		"	"					

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
63° E	250 mls	113.5' S	222.8' E	50° 58' N	—	20° E	362' E	166° 15' N	—

Journal from Nushagak towards San Francisco.

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	10		E x S 1/2 S	S W	no	dev. 4° W.		blowing fresh all day. big S W sea.
2	11							weather hazy with heavy rain squalls.
3	10							Pump well dry.
4	11							Lookout, Lights and fires attended.
5	10							Living quarters inspected, life preservers and fire extin- guishers in order and place.
6	10							
7	10							
8	10							
9	10							
10	10							
11	10							
12	10							

W. Morgan

Journal from Nushagak towards San Francisco.

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	2		S E	E N E	1/2 pt	dev. 3° W.		light to moderate winds, during the night increasing and squally.
2	2							heavy S W swell.
3	2							Rain all day.
4	2							Pump well found dry.
5	3							Lookout, Lights and fires attended.
6	3							Life boats inspected, in good order and fully equipped.
7	3							Living quarters inspected, life preservers and fire extinguishers in good order and their places.
8	3							
9	5		E S E	N E		dev. 5° W.		
10	5							
11	5							
12	5							

W. Morgan

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° E	232 mi	129.7' S	192.3' E	48° 48' N		20° E	299' E	157° 16' 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.
1° E	98 mi	74.1' S	65.0' E	46° 36' N		21° E	96' E	147° 49' W	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	7		E x S 1/2 S	North	no	dev. 4° W.		wind hauling northward and dying south.
2	6							big S W sea, vessel labouring heavily.
3	6							Rain, during later part of the day partly clearing.
4	6							Pump found dry.
5	5							Lookout, Lights and fires attended.
6	5							Living quarters inspected, life preservers and fire extin- guishers in order and ready for use.
7	4							
8	3							
9	3							
10	3							
11	3							
12	3							

W. Morgan

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	4		E x S 1/2 S	N E	1/2 pt	dev. 4° W.		moderate breeze all day.
2	4							moderate S W swell.
3	4							weather cloudy with rain, partly clearing towards the end of the day.
4	4							Pumps sounded.
5	4							Lookout, Lights and fires attended.
6	4							Living quarters inspected, life preservers and fire extin- guishers in places.
7	4							
8	4							
9	4							
10	4							
11	4							
12	4							

W. Morgan

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° E	88 mi	47.9' S	73.8' E	48° 00' N		20° E	111' E	149° 25' 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.
112 mi	74.1' S	84.0' E	45° 22' N	45° 20' N	21° E	121' E	145° 48' W	145° 50' W	

Journal from Nushagak towards San Francisco.

FORM NO. 1
LOUIS WEULE CO.
9 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	27 th day of Aug. 15.
1	5		SE	East	1/2 pt.	dev. 0.		light to moderate breeze	
2	5		"	"	"	"		big SW and W swell.	
3	5		"	"	"	"		weather cloudy.	
4	5		"	"	"	"			
5	5		"	"	"	"			
6	4		"	"	"	"			
7	4		"	"	"	"			
8	5		"	"	"	"			
9	5		"	"	"	"			
10	4		"	"	"	"		Pumps sounded.	
11	4		"	"	"	"			
12	4		"	"	"	"			
1	4		NE	SE		dev. 1° N.		tacked ship. Lights Lookout and fires attended.	
2	3		"	"	"	"			
3	2		"	"	"	"			
4	2		"	"	"	"			
5	2		"	"	"	"			
6	3		"	"	"	"			
7	3		"	"	"	"			
8	4		"	"	"	"			
9	5		East	SW		none dev. 2° N.		wore ship. Living quarters inspected, life preservers and fire- extinguishers in order and place.	
10	6		"	"	"	"			
11	6		"	"	"	"			
12	6		"	"	"	"			

W. Morgan

Journal from Nushagak towards San Francisco.

FORM NO. 1
LOUIS WEULE CO.
9 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	29 th day of Aug. 15.
1	6		East	SW	no.	dev. 2° N.		fresh breeze all day.	
2	6		"	"	"	"		heavy sea from SW.	
3	8		"	"	"	"		weather partly cloudy.	
4	8		"	"	"	"			
5	8		"	"	"	"			
6	8		"	"	"	"			
7	8		"	"	"	"			
8	8		"	"	"	"			
9	8		"	"	"	"			
10	8		"	"	"	"		Pumps sounded, dry.	
11	8		"	"	"	"			
12	8		"	"	"	"			
1	8		"	"	"	"			
2	8		"	"	"	"			
3	8		"	"	"	"			
4	8		"	"	"	"			
5	8		"	"	"	"			
6	8		"	"	"	"			
7	8		"	"	"	"			
8	8		"	"	"	"			
9	8		"	"	"	"			
10	8		"	"	"	"			
11	8		"	"	"	"			
12	8		"	"	"	"			

W. Morgan

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 37° E	64 Mls.	50° S.	38.7' E	44° 30' N		20° E	55' E	144° 55' N	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	28 th day of Aug. 15.
1	10		East	SW	none	dev. 2° N.		fresh breeze with heavy squalls, moderate	
2	10		"	"	"	"		look in light after midnight.	
3	10		"	"	"	"		sail big SW sea.	
4	10		"	"	"	"			
5	9		"	"	"	"			
6	9		"	"	"	"			
7	9		"	West.	"	"		weather cloudy with heavy rain during squalls, partly clearing towards the end of the day.	
8	9		"	"	"	"			
9	8		"	"	"	"			
10	8		"	"	"	"			
11	8		"	"	"	"			
12	8		"	"	"	"			
1	8		"	SW				jibed ship. Pumps found dry.	
2	8		"	"	"	"			
3	8		"	"	"	"			
4	6		"	"	"	"		Lookout, Lights and fires attended.	
5	5		"	"	"	"			
6	5		"	"	"	"			
7	4		"	"	"	"		Set all sail. Cargo inspected (between decks) and found in good order.	
8	4		"	"	"	"			
9	4		"	"	"	"			
10	4		"	"	"	"			
11	4		"	"	"	"			
12	4		"	"	"	"		Living quarters inspected, life preservers and fire extin- guishers in order and place.	

W. Morgan

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	30 th day of Aug. 15.
1	10		E 1/2 S	South	none	dev. 2° N.			
2	10		"	"	"	"			
3	11		"	"	"	"			
4	11		"	"	"	"		furled light sails. blowing fresh with hard squalls.	
5	10		"	"	"	"			
6	10		"	"	"	"		furled mainsail big westerly sea.	
7	10		"	"	"	"		and gallant sails. Rain first part of day, clearing towards the end of the day.	
8	10		"	"	"	"			
9	9		"	"	"	"			
10	9		"	"	"	"			
11	9		"	"	"	"			
12	9		"	"	"	"		wind moderating.	
1	6		East	SW					
2	6		"	"	"	"			
3	6		"	"	"	"			
4	6		"	"	"	"		Set gallant sails. Pumps sounded.	
5	7		"	"	"	"			
6	8		"	"	"	"		Lights, Lookout and fires attended.	
7	7		"	"	"	"		Set all sail.	
8	8		"	"	"	"			
9	9		"	"	"	"			
10	9		"	SW				jibed ship. Living quarters inspected, life preservers and fire extin- guishers in place and good order.	
11	9		"	"	"	"			
12	9		"	"	"	"			

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	172 Mls.	53.2° S.	165.5' E	43° 37' N	43° 39' N	20° E	227' E	141° 08' N	141° 07' 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.
S 72° E	207 Mls.	70.5° S.	195.2' E	41° 29' N	41° 30' N	19° E	266' E	132° 00' N	132° 37' N

Journal from Nushagak towards San Francisco.

Journal from Nushagak towards San Francisco

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	8		E 1/2 S	NNE	none	dev. 2° N.		Aug. 31st 15.
2	8		"	"				fresh breeze all day.
3	8		"	"				heavy westerly sea.
4	8		"	"				weather partly cloudy.
5	8		"	"				
6	8		"	"				
7	8		"	"				
8	8		"	"				
9	8		"	"				
10	8		"	"				
11	8		"	"				Pumps sounded, found dry.
12	8		"	"				
1	6		"	"				
2	6		"	"				Lookout, Lights and fires
3	6		"	"				attended.
4	6		"	"				
5	6		"	"				Boats and their equipment
6	6		"	"				in good condition.
7	6		"	"				living quarters inspected.
8	6		"	"				life preservers and fire extin-
9	6		"	"				guishers in good order and
10	6		"	"				W. Marzan
11	6		"	"				
12	6		"	"				

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
167° E	170 mls	66.4' S.	156.5' E	40° 24' N	40° 23' N	19° E	207' E	129° 10' N	129° 11' N.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	8		E 1/2 N	NNE	1/2 pt.			1st day of Sept. 15.
2	8		"	"				Strong breeze all day.
3	8		"	"				big sea from NW.
4	8		"	"				weather cloudy, towards the
5	10		"	"				end of the day light fog squalls.
6	10		"	"				
7	10		"	"				putted light sails, heavy squalls.
8	10		"	"				
9	11		"	"				Pumps well dry.
10	11		"	"				
11	11		"	"				Lookout, Lights and fires
12	11		"	"				attended.
1	10		"	"				
2	10		"	"				sighted 3 vessel.
3	10		"	"				set all sail. presumable, Star of Zealand
4	10		"	"				" Gohemia
5	10		"	"				" E. M. Whithney.
6	10		"	"				living quarters, life preservers
7	9		"	"				and fire extinguishers in good
8	9		"	"				order.
9	9		"	"				W. Marzan
10	9		"	"				
11	9		"	"				
12	9		"	"				

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
171° E	230 mls	74.4' S.	217.5' E	39° 08' N	39° 10' N	18° E	283' E	124° 28' N	124° 30' N

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	5		SE x E	NNE	no	4° N dev.		2nd day of Sept. 15.
2	4		"	"				light variable wind and
3	3		"	"				calm.
4	2		"	"				big SW swell.
5			"	"				light fog all day.
6			"	"				
7			"	"				
8			"	"				calm, vessel not steering.
9			"	"				
10			"	"				Pumps sounded, found dry.
11			"	"				
12	2		S x W	SE	1/2 pt.	dev. 4° E.		
1	2		"	"				Lookout, Fog signals, lights
2	1		"	"				and fires attended.
3	2		"	"				
4	2		"	"				
5	4		"	"				In company with 3 vessels.
6	4		"	"				living quarters inspected,
7	4		"	"				life preservers and fire-
8	4		"	"				extinguishers in place and
9	4		"	"				good condition. W. Marzan
10	4		"	"				
11	5		"	"				
12	4		"	"				

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
171° E	39 mls	38' S.	11.5' W.	38° 32' N	—	18° E	15' N	124° 45' N	—

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS
1	4		E x N 1/2 N	SE	1/2 pt.			3rd day of Sept. 15.
2	3		"	"				calm and light baffling winds.
3	2		"	"				moderate SW swell.
4	2		"	"				Sky overcast, light haze
5	2		"	"				on horizon.
6	2		"	"				
7	2		"	"				
8	2		"	"				
9	1		"	"				Pumps found dry.
10			"	"				
11			"	"				Lookout, Lights and fires attended.
12			"	"				
1			"	"				
2			"	"				
3			"	"				
4			"	"				
5			"	"				
6	1		SE	variable	no	dev. 3° N		In company with 3 vessels.
7	1		"	"				
8	2		"	"				
9	2		"	"				
10	3		"	"				living quarters, life preservers
11	3		"	"				and fire extinguishers in order.
12	2		"	"				W. Marzan

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
171° E	29 mls	10.4' S.	26.9' E	38° 22' N	—	18° E	34' E	124° 11' N	—

Journal from *San Francisco* towardsFORM No. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer 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.

Tuesday, Sept. 7th

light variable winds P. M. fresh S.W.
weather fair. Lights attended. Night watchman
employed. Cleared ship.

Wednesday Sept. 8th

calm and light westerly winds. Weather fair.
Lights attended; Night watchman employed.

Thursday Sept. 9th

light to moderate S.W. wind. Weather fair.
Lights attended. Night watchman employed.
Admission day; Crew paid off.

Friday Sept. 10th

fresh S.W. wind. weather fair.
Lights attended; Night watchman employed.
Cleared ship.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer 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.

Saturday Sept. 11th

moderate westerly wind. weather fair.
Lights attended; Night watchman employed.

Sunday Sept. 12th

moderate S.W. wind; weather fair.
Lights attended; Night watchman employed.

Monday Sept. 13th

calm and light variable winds. weather fair.
Lights attended; Night watchman employed.

Tuesday Sept. 14th

moderate to fresh westerly winds. weather
fair. Lights attended; Night watchman
employed.

Journal from *San Francisco* towardsFORM No. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer 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.

Wednesday Sept. 15th

calm and light westerly winds. P. M. fresh S.W.
weather fair. Gang from S. P. S. Yard came aboard
P. M. Hubert Paik and unrove running gear.
Lights attended; Night watchman employed.

Thursday Sept. 16th

moderate S.W. wind, weather fair. Cleared ship; day
Lights attended; Night watchman employed.

Friday Sept. 17th

moderate to fresh S.W. wind. weather fair.
Lights attended; Night watchman employed.

Saturday Sept. 18th

fresh S.W. wind; weather fair. Cleared ship.
Lights attended; Night watchman employed.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer 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.

Sunday Sept. 19th

moderate westerly winds. Weather fair.
Lights attended; Night watchman employed.

Monday Sept. 20th

fresh S.W. wind. weather fair.
Lights attended; Night watchman employed.

Tuesday Sept. 21th

light to moderate S.W. wind. weather fair.
Lights attended; Night watchman employed.

Wednesday Sept. 22th

calm and light variable winds. weather fair.
10.30 6 men from Alameda yard came aboard to
clear anchor. Have gone up cleared it and with
assistance of launch "Phoenix" anchored again in

Journal from San Francisco towards

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of
								Wednesday Sept. 22 nd 15.	
1								in practically same position as before.	
2								Lights attended; Night watchman employed.	
3									
4									
5									
6								Thursday Sept. 23 rd 15.	
7								blowing fresh from S.W. weather fair.	
8								Lights attended; Night watchman employed.	
9									
10								Friday Sept. 24 th 15.	
11								moderate westerly wind, weather fair.	
12								6 men from Alameda yard cleaning thin coal quarters from 8 A.M. to 10 A.M.	
1								Lights attended; Night watchman employed.	
2									
3									
4									
5									
6									
7									
8									
9								Saturday, Sept. 25 th	
10								moderate to fresh S.W. wind, weather fair.	
11								Cleaned ship. Lights attended.	
12								Night watchman employed.	
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 Air Water	Barometer	REMARKS	day of
								Sunday Sept. 26 th	
1								light to moderate westerly winds.	
2								weather fair. Lights attended.	
3								Night watchman employed.	
4									
5									
6									
7									
8									
9									
10									
11									
12									
1								Monday Sept. 27 th	
2								light variable winds, P. M. fresh S.W.	
3								weather fair. Lights attended.	
4								Night watchman employed.	
5									
6									
7									
8									
9									
10									
11									
12									
1								Tuesday Sept. 28 th	
2								moderate westerly winds. weather fair.	
3								Lights attended; Night watchman employed.	
4									
5									
6									
7									
8									
9									
10									
11									
12									
1								Wednesday Sept. 29 th	
2								moderate westerly winds. weather fair.	
3								Lights attended; Night watchman employed.	
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 San Francisco towards

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of
								Thursday Sept. 30 th 15.	
1								light variable winds, P. M. fresh S.W.	
2								weather fair. Lights attended. Night watchman	
3								employed.	
4									
5									
6									
7									
8									
9									
10									
11									
12									
1								Friday Octbr. 1 st 15.	
2								moderate to fresh westerly winds. weather	
3								fair. Lights attended. Night watchman	
4								employed.	
5									
6									
7									
8									
9									
10									
11									
12									
1								Saturday Octbr. 2 nd 15.	
2								moderate S.W. wind. During early morning-	
3								hours light fog, afterwards cloudy.	
4								Lights and Fog bell attended; Night watchman	
5								employed.	
6									
7									
8									
9									
10									
11									
12									
1								Sunday Octbr. 3 rd 15.	
2								light variable winds. During early morning	
3								hours light fog, clearing after 9 A.M.	
4								Lights and Fog bell attended; Night watchman	
5								employed.	
6									
7									
8									
9									
10									
11									
12									
1								Monday Octbr. 4 th	
2								moderate to fresh southerly winds. Fog	
3								during early morning. rest of the day fair.	
4								Fog bell and Lights attended; Night watchman	
5								employed.	
6									
7									
8									
9									
10									
11									
12									
1								Tuesday Octbr. 5 th	
2								moderate to fresh South and S.W. winds.	
3								Fog during early morning, clearing after 10 A.M.	
4								Lights and Fog bell attended. Night watchman	
5								employed.	
6									
7									
8									
9									
10									
11									
12									
1								Wednesday Octbr. 6 th	
2								fresh S. & S.W. wind. Fog during early morning,	
3								afterwards weather fair. Lights & Fog bell attended.	
4								Night watchman employed.	
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 Air Water	Barometer	REMARKS	day of
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
1									
2									
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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 *in* from *San Francisco* towards

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of
1								Thursday Octbr. 7 th 15.	
2								fresh southerly winds. During early morning	
3								hours fog, after 9 a.m. clearing.	
4								Lights and Fog bell attended, Night watch man	
5								on duty.	
6									
7									
8									
9									
10								Friday Octbr. 8 th 15.	
11								Strong breeze from South and S.W.	
12								Fog early in the day; after 9 a.m. weather	
1								cloudy. Lights and Fog bell attended;	
2								Night watchman on duty.	
3									
4									
5									
6									
7								Saturday Octbr. 9 th 15.	
8								Strong breeze from S.E. dying out partially	
9								and hauling to S.W. after noon.	
10								Weather partly cloudy. Lights attended.	
11								Night watchman on duty.	
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 Air Water	Barometer	REMARKS	day of
1								Sunday Octbr. 10 th 15.	
2								light to moderate westerly winds. weather	
3								fair. Lights attended. Night watch man	
4								on duty.	
5									
6									
7									
8									
9								Monday Octbr. 11 th	
10								moderate to fresh S.W. wind. weather	
11								fair. Lights and Night watch attended.	
12									
1									
2									
3									
4								Tuesday Octbr. 12 th	
5								moderate westerly winds. weather fair.	
6								Lights and Night watch attended.	
7									
8									
9									
10								Wednesday Octbr. 13 th	
11								moderate to fresh westerly wind.	
12								weather fair. Lights and Night watch attended.	
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 *in* from *San Francisco* towards

FORM NO. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer Air Water	Barometer	REMARKS	day of
1								Thursday Octbr. 14.	
2								light variable winds. weather fair.	
3								Cleared anchor with assistance of Launch "Swallow"	
4								dropped anchor and 45 fms chain in bearing of	
5								Humboldt point S.E. 1/2 S	
6								Sugar Refinery (Smokestack) N.W. } by Sld. compass	
7								Lights and Night watch attended.	
8									
9								Friday Octbr. 15 th	
10								moderate to fresh westerly winds. weather fair.	
11								Lights and Night watch attended.	
12									
1									
2									
3								Saturday Octbr. 16 th	
4								calm a.m. P.M. fresh S.W. wind. weather	
5								fair. Lights and Watch attended.	
6									
7									
8									
9								Sunday Octbr. 17 th	
10								light variable winds. weather cloudy.	
11								Lights and Watch attended.	
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 Air Water	Barometer	REMARKS	day of
1								Monday Octbr. 18 th	
2								fresh southerly winds. Weather cloudy.	
3								Lights and Watch attended.	
4									
5								Tuesday Octbr. 19 th	
6								moderate to fresh S.W. wind; weather fair	
7								Lights and Watch attended.	
8									
9									
10									
11								Wednesday Octbr. 20 th	
12								light to moderate westerly winds. during	
1								the night light fog, rest of the day fair.	
2								Lights and Night watch attended.	
3									
4									
5									
6								Thursday Octbr. 21 st	
7								moderate westerly winds. weather fair.	
8								Lights and Watch attended.	
9									
10									
11								Friday Octbr. 22 nd	
12								moderate westerly winds. weather fair.	
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 ⁱⁿ from San Francisco towardsFORM No. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer	Barometer	REMARKS	day of
				Air	Water				
1								Saturday Octbr. 25 th 15.	
2								light to moderate variable winds. cloudy	
3								with light rain showers A.M.; clearing P.M.	
4								lights attended; Night watch kept.	
5								Sunday Octbr. 26 th .	
6								light variable winds. weather fair.	
7								Lights and Watch attended.	
8								Monday Octbr. 25 th .	
9								Moderate to fresh S.W. wind. Weather fair.	
10								Lights and Watch attended.	
11								Tuesday Octbr. 26 th .	
12								Moderate to fresh westerly winds.	
1								weather fair. Lights and Watch attended.	
2								Wednesday Octbr. 27 th .	
3								Moderate to fresh S.W. wind. Cloudy.	
4								Lights and Watch attended.	
5								Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob.	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer	Barometer	REMARKS	day of
				Air	Water				
1								Thursday Octbr. 28 th .	
2								Moderate S.W. breeze. weather fair.	
3								Lights and Watch attended.	
4								Friday Octbr. 29 th .	
5								Moderate to fresh westerly wind.	
6								weather fair. Lights and Watch attended.	
7								Saturday Octbr. 30 th .	
8								Moderate to fresh westerly winds.	
9								weather partly cloudy. Lights and Watch	
10								attended.	
11								Sunday Octbr. 31 st .	
12								light to moderate westerly winds.	
1								weather partly cloudy. Lights and Watch	
2								attended.	
3								Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob.	

Journal ⁱⁿ from San Francisco towardsFORM No. 1
LOUIS WEULE CO.
8 CALIFORNIA STREET
SAN FRANCISCO, CAL.

H	K	F	COURSES	WINDS	LEEWAY	Thermometer	Barometer	REMARKS	day of
				Air	Water				
1								Monday Nov. 1 st 15.	
2								light variable winds. weather fair.	
3								7.30 A.M. tug "Sea Hawk" docked vessel alongside	
4								pair 54. 9.30 A.M. started discharging cargo.	
5								keeping on working to 5 P.M. Fires hose connected	
6								and fires attended. Night watch man on	
7								duty.	
8								Tuesday Nov. 2 nd 15.	
9								Moderate to fresh N.W. wind. weather cloudy,	
10								fog during evening & night.	
11								Night watchman employed.	
12								Wednesday Nov. 3 rd 15.	
1								Light westerly winds. weather cloudy.	
2								Discharging cargo all day.	
3								Night watchman on duty.	
4								Course Distance Diff. of Lat. Departure Lat. by D.R. Lat. by Ob.	

H	K	F	COURSES	WINDS	LEEWAY	Thermometer		Barometer	REMARKS	day of
						Air	Water			
									Thursday Nov. 4 th .	
1										
2									Light southerly winds. light rain first part	
3									of the day, afterwards fair.	
4									Finished discharging cargo 9 A.M.	
5									Tug, Sea Prince took vessel in tow for	
6									Alameda as soon as discharged. Docked	
7									at S. P. A. yard at 11.30 and securely moored	
8									vessel.	
9										
10										
11										
12										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
									W. Morgan	
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

Journal *from*

towards

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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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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[illegible]

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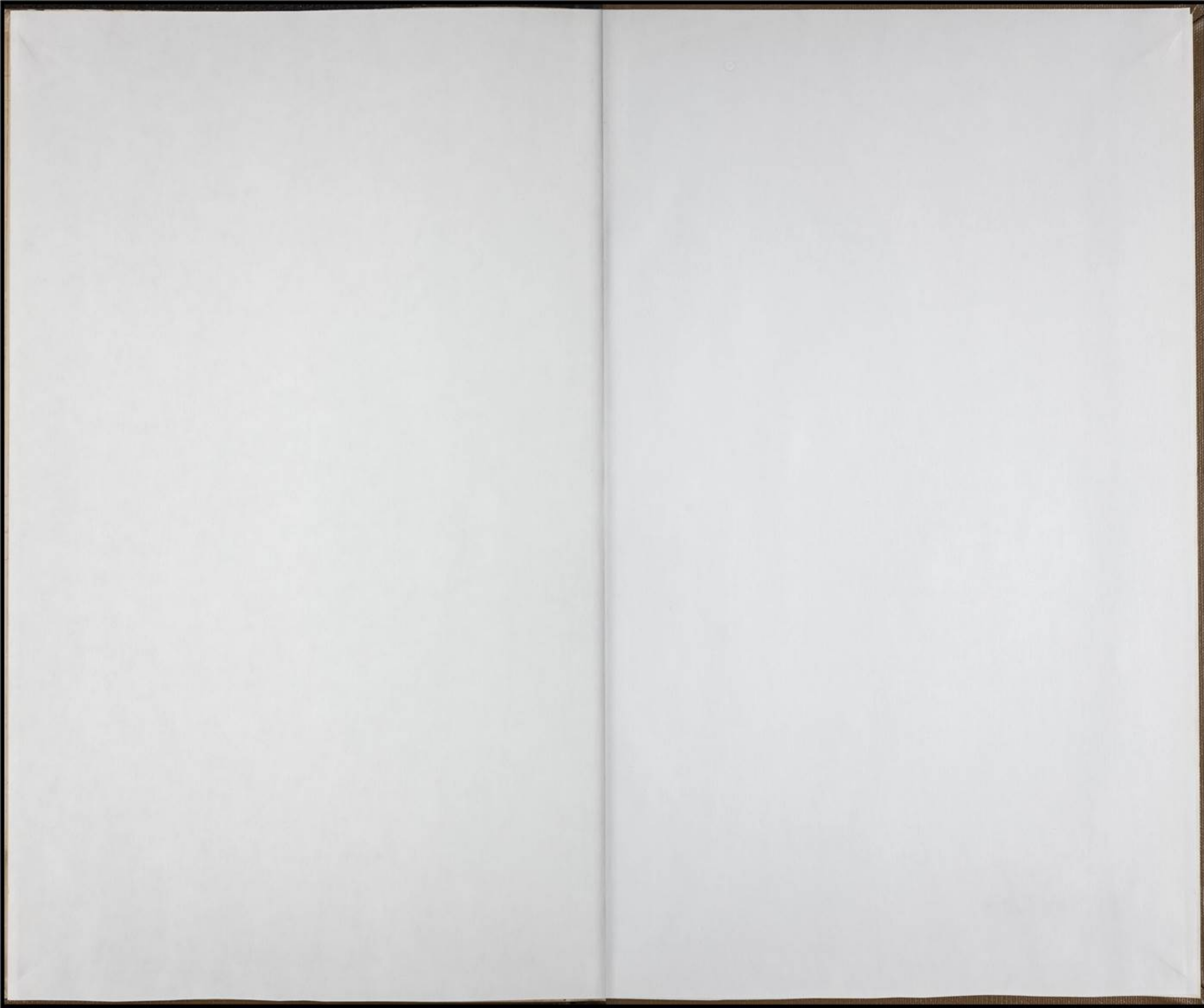
Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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Course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