

USEFUL INFORMATION.

Rails.

Weight per Yard	Tons per Mile of Single Track
8 lbs.	121 $\frac{3}{4}$ $\frac{0}{10}$
12 "	181 $\frac{3}{4}$ $\frac{0}{10}$
16 "	25 $\frac{3}{4}$ $\frac{0}{10}$
25 "	39 $\frac{6}{10}$ $\frac{0}{10}$
30 "	47 $\frac{3}{4}$ $\frac{0}{10}$
35 "	55 $\frac{3}{4}$ $\frac{0}{10}$
40 "	62 $\frac{3}{4}$ $\frac{0}{10}$
45 "	70 $\frac{3}{4}$ $\frac{0}{10}$
50 "	78 $\frac{3}{4}$ $\frac{0}{10}$
52 "	81 $\frac{3}{4}$ $\frac{0}{10}$
56 "	88 $\frac{3}{4}$ $\frac{0}{10}$
60 "	94 $\frac{6}{10}$ $\frac{0}{10}$
62 "	97 $\frac{6}{10}$ $\frac{0}{10}$
65 "	102 $\frac{3}{4}$ $\frac{0}{10}$
68 "	106 $\frac{3}{4}$ $\frac{0}{10}$
70 "	110 $\frac{3}{4}$ $\frac{0}{10}$
75 "	117 $\frac{3}{4}$ $\frac{0}{10}$
80 "	125 $\frac{3}{4}$ $\frac{0}{10}$
85 "	133 $\frac{3}{4}$ $\frac{0}{10}$

To find the number of tons (of 2,240 lbs.) per mile of single track, multiply the pounds per yard by 11 and divide by 7.

Fish Plates and Bolts.

Length of Rail	No. Joints per Mile	No. Fish Plates per Mile	No. Bolts per Mile
24 feet.	440	880	1760
25 feet.	422	844	1668
26 feet.	406	812	1624
27 feet.	391	782	1564
28 feet.	377	754	1508
30 feet.	352	704	1408
33 feet.	320	640	1280
45 feet.	235	470	940
60 feet.	176	352	704

Railroad Spikes.

Size Measured Under Head	Average No. per Keg of 200 Lbs.	Ties 2 Feet Between Centres, 4 Spikes per Tie, Makes per Mile	Rails Used, Weight per Yard
5 $\frac{1}{2}$ x $\frac{9}{16}$	375	5870 lbs — 29 $\frac{1}{3}$ kegs.	45 to 70
5 x $\frac{9}{16}$	400	5170 " — 26 "	40 to 56
5 x $\frac{7}{8}$	450	4660 " — 23 $\frac{1}{3}$ "	35 to 40
4 $\frac{1}{2}$ x $\frac{1}{2}$	530	3960 " — 20 "	28 to 35
4 x $\frac{1}{2}$	600	3520 " — 17 $\frac{2}{3}$ "	24 to 35
4 $\frac{1}{2}$ x $\frac{7}{8}$	680	3110 " — 15 $\frac{1}{2}$ "	} 20 to 30
4 x $\frac{7}{8}$	720	2910 " — 14 $\frac{3}{4}$ "	
3 $\frac{1}{2}$ x $\frac{7}{8}$	900	2350 " — 11 "	
4 x $\frac{3}{8}$	1000	2090 " — 10 $\frac{1}{2}$ "	} 16 to 25
3 $\frac{1}{2}$ x $\frac{3}{8}$	1190	1780 " — 9 "	
3 x $\frac{3}{8}$	1240	1710 " — 8 $\frac{1}{2}$ "	
2 $\frac{1}{2}$ x $\frac{3}{8}$	1342	1575 " — 7 $\frac{7}{8}$ "	12 to 16