

Weight of nuts for one span.

236	nuts for	$\frac{3}{4}$	inch bolts,	each	$\frac{1}{2}$	pound	=	118
68	"	$1\frac{1}{8}$	"	"	$1\frac{1}{10}$	"	=	75
16	"	$1\frac{1}{4}$	"	"	1.4	"	=	23
40	"	$1\frac{1}{2}$	"	"	3.1	"	=	124
104	"	$1\frac{3}{8}$	"	"	2.0	"	=	208
32	"	$1\frac{5}{8}$	"	"	4.3	"	=	138
48	"	$1\frac{3}{4}$	"	"	4.6	"	=	221

Total weight of nuts 907 lbs

Estimate of cost of one span.

2070	feet B. M. oak scantling	@	\$18 00	per M.	\$	37 26
56944	" " white pine	@	13 00	" "		740 27
10551	lbs. castings	@	02 $\frac{1}{2}$			263 77
14920	" bolts	@	04			596 80
907	" punched nuts	@	09			81 63
4000	" square feet roofing	@	08			320 00
Total cost of materials						\$2039 73

Workmanship.

160	lineal feet superstructure	@	\$5 50		\$	880 00
236	$\frac{3}{4}$ inch bolts, head at one end	@	10			23 60
34	$1\frac{1}{8}$ " screws at each end	@	35			11 90
8	$1\frac{1}{4}$ " " "	@	45			3 60
52	$1\frac{3}{8}$ " " "	@	55			28 60
20	$1\frac{1}{2}$ " " "	@	65			13 00
16	$1\frac{5}{8}$ " " "	@	75			12 00
24	$1\frac{3}{4}$ " " "	@	85			20 40
4000	square feet metal roofing	@	02			80 00
	painting, &c.					100 00
						\$1175 10

Total cost of materials and work, \$3214 83. — Cost per foot lineal, \$20 00.