

Scale $\frac{1}{2}$ " = 1 foot.

Scantlings of Bridge

Bridge sides	$7/20$
" front	$7/20$
" stringer	$45 \times 8/20$
" " angles	$3\frac{1}{2} \times 3\frac{1}{2} \times 8/20$
" deck plating	$5/20$
" wood deck	$2\frac{3}{4}$ teak
" beams	$10 \times 9/20$ teak bolts ✓
5 ft	alt frames

12 11
 9 x 3 1/2 x 1/20 bull angle on every frame.

14
 9 x 3 1/2 x 1/20 bull angle on every frame.

Frames 7 x 3 1/2 x 1/20 to 6 1/2 x 3 1/2 x 1/20 spaced 27" apart.
 Rev. 6 1/2 x 3 1/2 x 1/20 to 20, to Main 10", & all to Aring 10" for 1/2 L. & fore peak.
 9" frame girders in holds, 8 1/2 x 13 space & fore & aft peaks.
 13" 8 1/2 x 20. Vert. stiff 7 x 3 1/2 x 1/20 to 6 1/2 x 3 1/2 x 1/20.
 Hor. stiff 9 x 3 1/2 x 1/20 to 20. 34
 Stem 12 x 3 1/2. Stern Post 13 x 3 1/2. Rudder 11 1/2.
 Keel bar 10 x 5.

1/2 B. 28.50
 D. 36.00
 1/2 G. 59.75
 124.50 x 479.3 = 59672

Proportions: Length = 8.4 Breadth = 13.22 Depth

Channel 10 x 3 1/2 x 3 1/2 x 1/20 to 20 on every frame.

2 Bull angles 9 1/2 x 3 1/2 x 1/20

- Riveting -
 Main Sheer lapped & quad for 3/4 L. treble at ends.
 Aring Sheer " & treble " double "
 Strake below Main Sheer " & quad all fore & aft.
 Keel double straps treble riveted.
 Remains of shell lapped & treble, quad where over rule limit.
 Aring Stinger, lapped & treble for 3/4, double at ends.
 Main " & quad for 1/2, treble "
 Lower " & treble all fore & aft.
 Tank centre girder " & " "
 top bull lapped & double riveted throughout.
 margin " "
 Deck bull double for 1/2 L. single at ends.

- Equipment -
 2 Bowse Anchors 87 Cuts Stockless
 1 " 7 1/4 " Ex Stock
 1 Shear " 25 " Ex Stock
 1 Hedge " 12 " "
 300 fms 2 1/2 Stud link cable
 120 " 1 1/2 Shear chain or 5/8 Steel wire
 130 " 16 Tonline or 6" Steel wire
 90 " 13 " or 4 1/2 "
 90 " 11 " or 3 1/2 "

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Equipment.

66994
No = ~~68749~~

2	Domest Anchors	87	Cuts	Stockless
1	"	74	"	"
1	Stream	25	"	Ex Stock
1	Kedge	12	"	"
300	fms	2 $\frac{6}{16}$	Shut link cable	"
120	"	1 $\frac{3}{16}$	Stream chain or St. Steel wire	"
130	"	16	Tonline or 6" Steel wire	"
90	"	13	" or 4 $\frac{1}{2}$ "	"
90	"	11	" or 3 $\frac{1}{2}$ "	"

- Riveting. -

Main Sheer lapped & quad for $\frac{3}{4}$ L. treble at ends.
 Arming Sheer. " & treble " double "
 Strake below Main Sheer " & quad all fore & aft.
 Keel double straps double riveted.
 Remainder of Shell lapped & treble, quad where over rule limit.
 Arming Stinger, lapped & treble for $\frac{3}{4}$, double at ends.
 Main " " & quad for $\frac{1}{2}$, treble "
 Lower " " & treble all fore & aft.
 Tank centre girder " " " "
 " top bulk lapped & double riveted throughout.
 " margin " " " "
 Deck bulk double for $\frac{1}{2}$ L, single at ends.



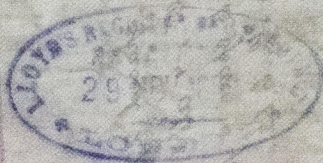
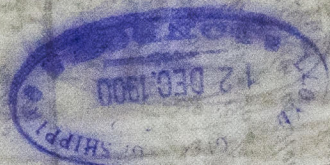
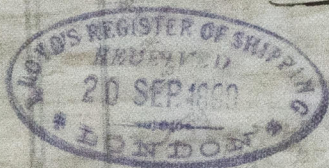
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Foundation

Belfast
Workman, Clark & Co.
S.S. 402 ft (2nd)

Midship section

No. 140
S. S. Indian

Bot 5212



151.78 x 4.43 = 674.56
26.78 x 4.43 = 118.56
30.00 x 4.43 = 132.90
58.20 x 4.43 = 257.82
Total = 589.84



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