

No. 742 + 749

Riveting Table
for Lap Joints

Thickness of Plates	Diameter of Rivets	No. of Rivets per Line	No. of Lines	Spacing of Rivets in Lines
5/16"	5/16"	2	2 1/2"	—
3/8"	3/8"	2	3"	—
1/2"	1/2"	2	3"	—
5/8"	5/8"	3	3 1/2"	3 3/4"
3/4"	3/4"	3	4"	4"
7/8"	7/8"	4	4 1/2"	4 1/2"
1"	1"	4	5"	5"
1 1/8"	1 1/8"	5	5 1/2"	5 1/2"
1 1/4"	1 1/4"	5	6"	6"
1 1/2"	1 1/2"	5	6 1/2"	6 1/2"

Tank Steamer.

Principal Dimensions.

Length overall 321'-0"
Length between perps 310'-0"
Breadth extreme 41'-6"
Depth moulded to spar deck 28'-8"
Depth of Hold 24'-5 1/2"
Draft of Water Winter 23'-0"

Scale 1/2" = 1 Foot.

Class 100A.1. Spar Deck Lloyd's.

Lloyd's Numerals.

1/2 Breadth 20.62
Depth (incl crop) 22.50
1/2 Girth 39.58
82.40 1st Numeral
Lloyd's length 308.33
25500 2nd Numeral

308.33 = 13.41 Depth to Main Deck

308.33 = 10.45 Depth to Spar Deck

Equipment

2 Bowers 4 3/4 cwt. each ex. stock
1 Bower 3 7/8 cwt. ex. stock
1 Stream 1 1/4 cwt. ex. stock
1/2 cwt. 5 1/2 cwt. ex. stock
360 lbs. 1 1/2" stud chain cable
100 lbs. 4 1/2" stream wire
100 lbs. 4" wire towline
90 lbs. 4" hemp 3 off
90 lbs. 6" hemp 1 off

Bridge Deck

In Prop & Bridge, 2 rows, 2 1/8" dia, 4 8" apart

In File, 1 row, 2 1/2" dia, 4 8" apart

Prop, Bridge & File Beams Midship Length 34' ¹⁰ / ₁₆					
Stem spring	Length	Size	Equivalent	Plate Knees or equivalent	
Poop	48	34'-10" under	6 1/2" x 3 1/2" angle	18" x 18" x 1/20"	2
Bridge	48	do	6 1/2" x 3 1/2" angle	18" x 18" x 1/20"	2
File	48	do	7 1/2" x 3 1/2" angle	18 1/2" x 18 1/2" x 1/20"	1

Spar Deck Beams, Midship Length 39'-10"

Stem spring	Length	Size	Equivalent Plate	Knees or equivalent	
Stem spring	24 37-10 to 24 4	9" x 7 1/2"	3" x 7" angle	16 1/2" x 16 1/2" x 1/20"	3
End Beams	24 —	8" x 7 1/2"	3" x 3 1/2" angle	15" x 15" x 1/20"	2
End Beams	24 37-10 to 24 6 1/2	9" x 7 1/2"	6" x 3" angle	16 1/2" x 16 1/2" x 1/20"	1
do	24 26 1/2 to 19-11	8" x 7 1/2"	3" x 3" angle	16 1/2" x 13 1/2" x 1/20"	1
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do	24 26 1/2 to 19-11	8" x 7 1/			

Beams to Spar Deck at ends, 1 row, 2 1/4" dia, 4 8" apart, with 4" x 3" x 1/20" angle

Beam Girders of 6" x 4" x 1/20" tee bar or equivalent

Channel 12" x 3 1/2" x 1/20" double

Beams 5 1/2" x 3 1/2" x 1/20" double

9" x 3 1/2" x 1/20" angle

5 1/2" x 3" x 1/20" angles

24" apart

6" x 3" x 1/20" angle in way of hatches

1/20" Brackets 24" apart

1/20" Brackets 48" apart

5" x 3" x 1/20" angle

1/20" Brackets, angle to bld. 3" x 3" x 1/20" angle

Channel 12" x 3 1/2" x 1/20" double

Double connecting angles on at 6" x 3 1/2" x 1/20" and one at 3 1/2" x 3 1/2" x 1/20"

Vertical stiffeners 6" x 3" x 1/20" bulb angles

Ext. Stiff. in way of Brackets 5 1/2" x 3 1/2" x 1/20" angles

1/20" Brackets, angle to bld. 3" x 3" x 1/20" angle

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Equipment Numeral

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Depth 22.50
1/2 Girth 39.58
82.40 1st Numeral
Lloyd's length 308.33
25500 2nd Numeral

Coop. Bridge & File sides 7/8

1/20" Web flanged on face filled above each bulkhead and Web frame in way of oil

Double 1 1/2" x 1 1/2" x 1/20" for 3 frame spaces on each side of each Allright Bulkhead

Double Frame Angles, one at 6" x 3 1/2" x 1/20" and one at 3 1/2" x 3 1/2" x 1/20"

Double Bottom under Boilers

Stem	Scantling
Central Girder	40" x 12" x 1/20"
Side Girders	30" x 10" x 1/20"
Margin Plate	30" x 1" x 1/20"
Inner Bottom	1" x 1/20"
Floors & Brackets	10" x 1/20"
Large angles on top of Centre Girders	4" x 4" x 1/20"
Small angles on Margin Plate	3 1/2" x 3 1/2" x 1/20"
Side Girder shell angle	3 1/2" x 3 1/2" x 1/20"
do	3 1/2" x 3 1/2" x 1/20"
Centre Girder shell angle	4" x 4" x 1/20"
Reverse Frames	3 1/2" x 3 1/2" x 1/20"
Frames	3 1/2" x 3 1/2" x 1/20"
Connecting Angles	3 1/2" x 3 1/2" x 1/20"
Connecting angles double on centre girder & towel frames on outside of margin plate, remainder single	

Ordinary Watertight Bulkheads
Frame Angle 5" x 3 1/2" x 1/20" double
Deck Angles 3 1/2" x 3 1/2" x 1/20" double
Plating, lower half 1/20", upper half 1/40"
Vertical Stiffeners below main deck 5" x 3 1/2" x 1/20" angles
do above do 3 1/2" x 3 1/2" x 1/20" angles
Vertical Stiffeners spaced 30" apart
Horizontal Stiffeners as per profile
with same bol beam as per rule

Stem 10" x 2 3/4"
Stern Frame 10" x 6"
Rudder Head 8" dia
Rudder Pintles 1 1/2" dia

12/3/3

7/2 Bernell

SP Bernell.

Quilt at Newe 1903.

Ann Strong, Whitworth St.

No. 742

Midship Section

(Open copy)

Faded plan bag.



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Lloyd's Register
Foundation