

MIDSHIP SECTION

Nº 145 SHIP.

SCALE $\frac{1}{2}$ = 1 FOOT.

TO CLASS 100 A.I. AT LLOYDS.

193'-0" x 29'-6" x 14'-6" D.M.

Approximate Under-deck tonnage 509

Erections (for Freeboard)

Sheer

File	44	At Stem	5'-9"
Bridge	53	at 1/8 L abaft Stem	3'-0 1/2"
Poop	19	at 3/8 L forward of Sternpost	1'-9 1/2"
Total enclosed by W.T. Bulkheads	116	at Sternpost	3'-6"

Numerals

1/2 Breadth	14.66
Depth	15.10
1/2 Girth	26.50
	56.26

1st Number

191.87
39382
45008
5626

$$\frac{L}{D} = 12.7$$

Total length of Erections
= $116 \times 7 \frac{1}{2} \times 1 \frac{1}{2} = 1305$

2nd Number

107946062
1305
12099

Equipment No.

Equipment

2 Bower Anchors	19 cwt	Stockless
1 " "	16 1/2 "	"
1 Stream Anchor	5 1/2 "	on Stock
1 Hedge " "	2 1/2 "	on " "
210 fathoms	1 3/16 "	Steel chain cable
60 " "	3 1/4 "	Steel wire
90 " "	3 " "	"
90 " "	2 7/8 " "	"
90 " "	5 "	Manilla

Riveting

Shell to be double riveted throughout with Strapped butts
above light-water-line, overlap butts below; except sheerstrake
which is to have triple riveted butt straps 1/20 thicker than plates
for 1/2 L. Centre keelson & main-deck stringer plate triple riveted
overlap, double at ends. Butts of margin plates & tank top
centre strake double throughout. Butts of deck outside for 1/2 L
& decks single riveted throughout. Butts of deck inside for 1/2 L
& Boiler Space single riveted.

2 24/5/05

Stringer Plate 24 x 1/20 to 18 x 1/20 Poop & Bridge decks 7/20 Steel Sheathed with 2 1/2 inch pine
File deck 7/20 chequer plate

BRIDGE DECK

7 Lumber

Bridge Deck Beams	6 x 3 x 7/20	Angles on alt. frames
" " Half beams	5 1/2 x 3 x 7/20	" " "
" " " "	4 x 2 1/2 x 7/20	" every "
File Deck beams	4 x 2 1/2 x 7/20	" every "
Poop " "	5 x 3 x 7/20	" alt. "

Pillar 2 1/4 dia. 1/20 Steel

Stringer Plate 27 1/2 x 7/20 to 22 x 7/20

7/20 Steel deck.

MAIN DECK

7 1/4 Lumber

Main Deck beams	5 1/2 x 3 x 7/20	angle on every frame
" " half beams	5 1/2 x 3 x 7/20	" " "
" " Hatch end beams	8 x 3 1/2 x 1/20	Bull Angle

Side Stringer

Plate 12 x 7/20

Angles 4 1/2 x 3 x 7/20

Frames 22" apart 3 1/2 x 3 1/2 x 7/20 filled
Reverse frames 3 x 2 1/2 x 7/20
to go to 3" above lower stringer and gunwale alternately
Reverse double in Engine & Boiler space from margin to
margin plate. Bulkheads 6-5 Vertical stiffeners 3 1/2 x 3 x 6-5
spaced 2-6 apart. Horizontal stiffeners 3 1/2 x 3 x 6-5 spaced 4' apart
Stem bar 6 1/2 x 2 Stern post 6 1/4 x 4 1/2 Rudder head 4 3/4
Pentles 2 3/4 Main piece at hull 3 1/2 Single plate 1 1/2
Radius of quadrant 3-6 Steering chains 9-8 rods 1 1/2

Bilge Stringer

1/2 x 3 x 7-6/20

Margin Plate

20 x 1/20. 9/20 in boiler space
Connected to floors & knees by 5-3/4 Rivets
Single 2 1/2" Bulging

Inner Bottom

Centre Strake 32 x 7-6/20 Engine space 7/20
Holds 9/20 Boiler space 7/20

Floors 4/20

" in boiler space 9/20

3 x 3 x 7/20

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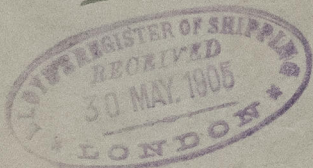
All bars in boiler space except those attached to shell to be 3/20 increased
when 1/20 thick & under & all angles except margin angles exceeding 9/20
to be reduced to beyond 1/2 L.



W D Olson & Co

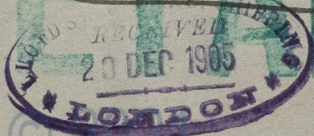
3/5 No 145

Midship Section



"S.S. Merr. Pioneer"

No 49835.



Lloyd's Register
Foundation

W1342-0163