

Dimensions	
Length as per Rule	393.6
20.12.98 Half Rounded Breadth	23.9
11.7.99 Depth top of keel to Upper Dk	31.0
9.3.99 Half Midship Girth to Upper Dk	50.6
13.4.99 Depth top of keel to Main Dk	22.25

# MIDSHIP SECTION STEEL SCREW STEAMERN<sup>o</sup> 385

To Class 100 A1 at Lloyds. Three Deck Rule.

Numerals	
$23.9 + 31.0 + 50.6 - 7 = 98.5$	$1^{\text{st}} \text{ No}$
$D^{\circ} + D^{\circ} + D^{\circ} - D^{\circ} \times 393.16 = 38726.2$	
$D^{\circ} + D^{\circ} + D^{\circ} + 393.16 \times \frac{188}{393.16} = 43795.9$	

Proportions	
Depth to length to Upper Dk	12.68
Main Deck (Normal Depth)	16.73
Breadth to length	8.2

Poof Bridge + Side Decks 4x3 Pitch Pine  
Poof + Side Deck plates 12x 7/20 Butts overlapped + Double Riveted  
Bridge Deck Tie plates 15x 7/20

Poof + Forecastle Stringer 28x 7/20 Butts overlapped + Double Riveted Angles 3 1/2 x 3 1/2 x 7/20  
Bridge Stringer 40x 10/20 Butts overlapped + Treble rivets Angled 4x4x 7/20

Side plating of Poof + Side 7/20 Straps + double rivets  
Main Deck 12/20 Lapped + Treble rivets.

Stringer plate about 60x 11/20 for 3 1/2 to 4 1/2  
7/20 at ends 10/20 in way of Bridge  
Stringer Angle 4 1/2 x 4 1/2 for 3 1/2 to 4 1/2 outside of Girders  
4x4x 7/20 for 3 1/2 to 4 1/2 inside of Girders

Solid Cope  
Double riveted framing in way of Bridge. Single in way of Poof + Side  
Rail of Bull Angle or other approved Section  
Buttwork Stanchions of Bull Steel Spaced 8 feet apart  
Buttwork Plating 7/20 Straps + Single riveted. Side plating of Bridge 10/20 increases at ends to 12/20 Lapped + treble rivets

Shut stake about 48x 13/20 for 1/2  
N 17/20 at 3/4 to 1 1/2 at ends  
16 in way of Bridge + Double  
at ends of Bridge  
6 Lap Double rivets

M About 52x 13/20 for 1/2 to 1 1/2 at ends  
6/20 at ends 13/20 in way of Bridge

Stringer plate 60x 10/20 for 1/2 to 1 1/2 at ends  
Stringer Angles 4x4x 7/20 for 3/4 to 1 1/2 at ends  
About 52x 13/20 for 1/2 to 1 1/2 at ends

5 1/2 Lap Double rivets  
About 52x 13/20 for 1/2 to 1 1/2 at ends  
5 1/2 Lap Double rivets  
About 52x 13/20 for 1/2 to 1 1/2 at ends

Keelson plate 23x 11/20 for 1/2 to 1 1/2 at ends  
Angles 6x6x 13/20 for 3/4 to 1 1/2 at ends  
Face Angle 6x6x 13/20 for 3/4 to 1 1/2 at ends  
Intercoastal Angles 3 1/2 x 3 1/2 x 10/20 for 3/4 to 1 1/2 at ends

About 54x 13/20 for 1/2 to 1 1/2 at ends

5 1/2 Lap Double rivets  
About 54x 13/20 for 1/2 to 1 1/2 at ends

Double rivets 5 1/2  
About 54x 13/20 for 1/2 to 1 1/2 at ends

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Plating The plates forming Boats + the plates above + below same to be 3/40 thicker than the plates amidships + then Butts double straps or lapped. Remainder of After Boats of plating to be same thickness as their Strakes Amidships.

If Channel frames be fitted, 10x 3 1/2 x 3 1/2 x 11/20 with lugs at stringers

Rev. Frames 5 1/2 x 3 1/2 x 11/20 to 1 1/2 at ends  
Aft of aft Peak 6x 3 1/2 x 11/20 1 1/2 to 1 1/2 at ends  
Aft of aft Peak 4 1/2 x 3 1/2 x 11/20 1 1/2 to 1 1/2 at ends

Heavy side frames in lieu of alternate riv bars to Forecastle Deck  
Bulkheads Plating 8/20 + 7/20 Vert. Strips below Main Deck 6x 3 1/2 x 11/20 above Main Deck 4 1/2 x 3 1/2 x 11/20 spaced 30 apart. Heavy Strips 8x 3 1/2 x 11/20 Bull Angle, spaced 4 apart. Semi Box Beams 1" as per rule

Pillars 4 1/2" Dia Rules for Shipping Boards  
Ceiling 2 1/2" thick laid on battens  
Double rivets lapping at joint aft. Double rivets for 1/2" Single Rivets Lappings at ends

DOUBLE IN BOILER SPACE  
36x 18  
36x 18  
36x 18

Double Rivets Laps 5 1/2  
About 54x 13/20 for 1/2 to 1 1/2 at ends  
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## Riveting of Shell +

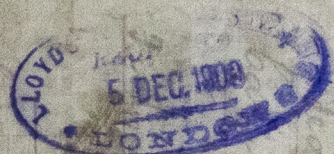
Butts of A Strake to be treble riveted all fore + aft with straps 7/20 thicker than plates for 3/4 length remainder 1/20 thicker than plates. Butts of B + C inclusive of Butts of Main Dk Stringer to be lapped + treble riveted all fore + aft. Butts of M Strake + Upper Deck Stringer to be quadruple riveted for 3/4 length remainder treble rivets. Lap Butts Butts of N Strake to have double butt straps for 3/4 length, remainder single straps 7/20 thicker than plates, all treble riveted. Shell butts to be quadruple riveted when over Rule width.

Alex. Stephen & Son  
SHIPBUILDERS & ENGINEERS  
GLASGOW  
DRAWING NO 9332

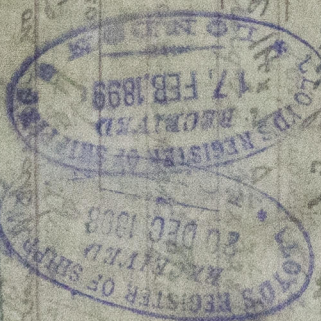
SCALE 1/2" INCH TO 1 FOOT  
15/12/98.



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*John MacLachlan*



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