

To. Class. 100.A.1 at Lloyds.

Barge "Galathée"  
Glasgow Report N° 6529.

**Dimensions**

Length as per Rule ..... = 217.83  
Half moulded Breadth ..... = 17.89  
Depth from Top of Keel ..... = 22.7  
Half Midship Girth ..... = 35.58

**MIDSHIP SECTION  
IRON SAILING VESSEL**

**N 285**

**Numerals.**

17.89 + 22.7 + 35.58 ..... = 76.17 *Stowage*  
... 00... + ... 00... + ... 00... x 217.83 ..... = 16592.11 *Longitudinal*  
... 00... + ... 00... + ... 00... x ... 00... + 1/5 = 17698.25 *Offset*

**Proportions.**

217.83 ÷ 35.78 = 6.08 *Moulded Breadth*  
... 00... ÷ 22.7 = 9.59 *Depth to Main Deck*

**Poof.** Brans... of Angle iron 6 1/2 x 3 x 7/16.  
Stringer Plate 127 x 9/16 to 20 x 9/16. Angle 3 1/2 x 3 x 7/16.  
Flat of Deck of Poof 3" thick. Planks 4 1/2" wide.

**Forecastle.** Brans. Built 6 1/2 x 6/16. Angle 3 x 2 3/4 x 7/16.  
Stringer Plate 27 x 9/16 to 20 x 9/16. Angle 3 1/2 x 3 x 7/16.  
Flat of Deck of Poof 3" thick. Planks 4 1/2" wide.

Main Deck of Yellow Pine 4" thick. Planks 5" wide.  
Tie Plates 12 x 10/16 for 1/2 length to 7/16 at ends.  
Diagonal ties on port at each mast 12 x 10/16 7/16

Built 8 1/2 x 9/16. Angle 3 x 3 x 7/16.  
on alternate frames

Keel ..... 8 1/2 x 2 1/2. Scarphs. 22 1/2 ins long.  
Stem ..... 8 x 2 1/2 at load line to 6 x 2 1/2 at head.  
Stern Post. 8 x 2 1/2 to Counter to 6 x 2 1/2 at head.  
Rudder... Stock 5 1/2 dia. keel 3" plating 5/16 thick.

Stanchions 2 3/8 dia.  
Tie plates 12 x 9/16 for 1/2 to 7/16 at ends.  
Diagonal ties. One pair at each mast 12 x 9/16 7/16  
Deck at Wings and ends of Poof 6 x 3

Built 8 1/2 x 9/16. Angle 3 x 3 x 7/16.  
on alternate frames

Frames ..... 5 x 3 x 9/16 for 3/5 length to ends 7/16. Spaced 23".  
Reverse Frames 3 1/2 x 3 x 9/16. all extending to Main Deck.  
Floors ..... 24 x 9/16 for 1/2 length to 7/16 at ends.  
Bulkheads ..... 7/16 and 6/16. Angles 3 1/2 x 3 x 9/16. Spaced 30".

Stanchions 3 3/8 dia

Rider Plate 11 x 12/16 for 1/2 to 10/16. to extend for 1/4 length.  
Butt Straps 16 3/4 x 13/16 triple riveted to 10/16 thick at ends.  
Vertical Plate 16 x 12/16 for 1/2 length to 7/16 at ends.  
Butt straps double 7/16 thick and quadruple riveted.  
Angles 5 x 3 1/2 x 9/16 for 3/5 length. ends 7/16.

Ceiling 2 1/2 thick  
Intercostal Plate 9/16.  
Angles 5 x 3 1/2 x 9/16 for 3/5 to 7/16.  
Outer angle 3 1/2 x 3 x 9/16.

Kelson Angles 5 x 3 1/2 x 9/16 for 3/5 to 7/16.

Double riveted landing 5" wide.  
9/16 for 1/2 length to 7/16. Butt straps 9 3/4 x 9/16 7/16. Double Riveted landing 5" wide -  
and double riveted.  
10/16 for 1/2 to 9/16 forward. 9/16 aft. Butt straps 14 1/2 x 11/16 and triple riveted for 1/2 length. Remainder 9 3/4 x 9/16 7/16 double riveted.  
Carboned Strakes. 34 x 11/16 for 1/2 to 10/16.  
Butt Straps 11 1/4 x 11/16 to 10/16 double riveted.

8 x 3 Leak Rail.  
3 x 3 x 5/16 angle.  
Main Rail of Leak 14 x 3 with Gunbolt spacing 6 x 3.  
Bulwark Plating 7/16. Butt Straps 8 x 7/16 and double riveted.  
with 6 x 5/16 Straps between.  
Bulwark Stanchions 1 3/4 dia.  
Main Rail angle 4 1/2 x 3 x 9/16  
Sides of Poof and Forecastle 9/16. Butt Straps 8 x 9/16 Double rivet.  
Cutting Angle 3 x 3 x 9/16.  
Stringer Angle 5 x 3 1/2 x 9/16 for 1/2 ends 7/16  
Stringer Plate 4 5 x 10/16 for 1/2 length to 30 x 7/16 at ends -  
with Diagonal ties at Mast Plates only - Butt Straps  
16 3/4 x 13/16 and triple riveted for 1/2 length. Remainder 9 3/4  
x 9/16 7/16 and Double riveted.  
Single riveted landing 3" wide.  
Shoestrake. about 43 x 12/16 for 1/2 length to 11/16 for 9/16 aft.  
Butt Straps 16 3/4 x 13/16 and triple riveted for 1/2 length.  
Remainder 11 1/4 x 11/16 to 9/16.  
Double riveted landing 5 1/2 ins wide.  
9/16 for 1/2 to 7/16 at ends. Butt straps 9 3/4 x 9/16 7/16 Double Rivet.  
Double riveted landing 5" wide. *the lower transverse plating 5 1/2*  
Stringer Plate 31 x 9/16 for 1/2 length to 24 x 9/16 at ends.  
Butt straps 9 3/4 x 9/16 7/16 and Double riveted.  
Stringer Angle 4 x 4 x 9/16 for 1/2 to ends 7/16.  
10/16 for 1/2 to 9/16 forward. 9/16 aft. Butt straps 14 1/2 x 11/16 and  
triple riveted for 1/2 length. Remainder 9 3/4 x 9/16 7/16.  
Double riveted landing 5" wide.  
9/16 for 1/2 to 7/16 at ends. Butt Straps 9 3/4 x 9/16 7/16 Double Riveted.  
Double riveted landing 5 1/4" wide.  
11/16 for 1/2 length to 10/16 forward. 9/16 aft. Butt Straps 16 3/4  
x 13/16 for 1/2 length. Remainder 11 1/4 x 11/16 7/16. Triple Riveted  
for 1/2 length amidships. ends Double Riveted.  
Kelson Angles 5 x 3 1/2 x 9/16 for 3/5. ends 7/16  
Double riveted landing 5 1/2" wide.  
10/16 for 1/2 length to 9/16 forward and aft. Butt Straps 16 3/4 x 11/16  
and triple riveted for 1/2 length. Remainder 9 3/4 x 9/16 7/16  
and Double Riveted.  
Double riveted landing 5" wide.  
11/16 for 1/2 length to 10/16 forward 9/16 aft. Butt straps 16 3/4 x 12/16 and  
triple riveted for 1/2 length. Remainder 11 1/4 x 10/16 7/16 and Double Riveted.  
Double Riveted landing 5" wide -  
9/16 for 1/2 length to 7/16 at ends. Butt straps 9 3/4 x 9/16 to 7/16. Double Riveted.

Alex. Stephen & Sons

SHIPBUILDERS & ENGINEERS

GLASGOW

24/4/83

28/4/83

SCALE 1/2 INCH TO A FOOT

4/5/83