

- 4748

18

Master W. Gosso

When built 1866 Launched 1st Mar

By whom built Harland & Wolff

Owners *J. I. Brocklebank*

Port belonging to *Liverpool*

Destined Voyage *Liverpool*

1418.

Surveyed while Building, Afloat, or in Dry Dock *Specially Surveyed While Building*

Hand-drawn sketches of mechanical parts with dimensions:

- Top left: A cross-section of a part with a central hole. Dimensions: $1/4 \times 7/8$ (width), $15/16 \times 1/2 \times 7/8$ (height), and $1/2$ plates (note).
- Top right: A cross-section of a part with a central hole. Dimensions: $15/16 \times 1/2 \times 7/8$ (height).
- Bottom left: A cross-section of a part with a central hole. Dimensions: $1/4 \times 7/8 \times 1/2$ (width), $15/16 \times 1/2$ (height), and $1/2$ plates (note).
- Bottom right: A perspective view of a rectangular part. Dimensions: $15 \times 1/4$ (top edge), $1/4 \times 7/8 \times 1/2$ (left edge), $1/4 \times 7/8 \times 1/2$ (bottom edge), and $15 \times 1/4 \times 1/2$ (right edge).

Knight-heads, and Hawse Timbers *Iron*

rivetted through plates with ($\frac{13}{16}$ in.) rivets, about ($\frac{1}{2}$ in.) apart

" " " on the frames " " " from *Am* to *La*

Keelson, how are the various lengths of plates or angle irons connected? *With 4 straps* ✓

Plates: Deckboard double or triple
Upper edge with rivets ($\frac{1}{8}$ in) diameter averaging ($\frac{3}{8}$ in) apart

Plates, Garboard, double rivetted to keel, double at upper edge, with rivets ($\frac{1}{4}$ in.) diameter, averaging ($\frac{1}{2}$ in.) apart.

Edges from Garboards to upper part of bilge, worked Mencher, double or single rivetted; with rivets ($\frac{9}{8}$ in.) diameter, averaging ($\frac{3}{4}$ in.) apart

„ Butts from Keel to turn of bilge, worked carvel with butt straps ($\frac{14}{4} \times \frac{13}{4}$) thick, double or single rivetted; with rivets ($\frac{1}{4}$ in.) diameter

averaging ($\frac{1}{2}$ ins.) apart. Do the butt straps lap over and rivet through the lands of the strake below? *Alternate*

Edges from bilge to sheerstrake, worked ^{out in alternately} ~~Marvel~~ with a lining piece () thick, or clencher, double or single rivetted; with rivets ($\frac{1}{8}$ in.) diameter

averaging (2 1/2 in) apart

At lower edge *Am. S. 10*

Ed. Sheerstrake, double or single rivetted? At upper edge 12000 single rivetted

Butt $\frac{11}{16}$ $\frac{12}{16}$ $\frac{13}{16}$ to planksheers, worked carvel with butt straps ($\frac{11}{16}$, $\frac{12}{16}$ & $\frac{13}{16}$) thick, double ~~or single~~ rivetted, with rivets $\frac{1}{8}$ in. diameter.

averaging ($2\frac{1}{4}$ ins.) apart. Breadth of laps in double rivetting (5 in) Breadth of laps in single rivetting ()

Butt Straps of Keelsons, Stringer and Tie Plates, double ~~or single~~ rivetted?

Planksheer, how secured to the plating of the sides

Waterway " " planksheer and to the Beams { if necessary.)

Deck Beams, how secured to the side? Knee plates welded & rivetted to frame

Hold or Lower Deck ditto *The same as above*

Paddle " " _____ No. of breasthooks 5 crutches 4

What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c. *Single Iron made by the Mfg.*

Manufacturer's name or trade mark, *Wm. Sims & Co. Glasgow. Plates made by Messrs. Steel & Iron Co. of Liverpool, & Dallan & Co.*

We certify that the above is a correct description of the several particulars therein given.

Richard D. Hall

Builder's Signature R. M. Adams Surveyor's Signature L. W. Adams

RON 439-042

ship. Are the lands laps of the clenchwork in all cases at least five and a half times the diameter of the rivet? Yes
Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies? Yes
Do the fillings between the ribs and plates fill in solid with single pieces? Yes or are they in short lengths of various thicknesses? Filled in solid
Do the holes for rivetting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes and are the rivet holes well and sufficiently countersunk in the outer plate? Yes
Are there any rivets which either break into or have been put through the seams or butts of the plating? A few

Her Masts, Bowsprit, Yards, &c., are in Good condition, and sufficient in size and length. (If they are of Iron or Steel give the number of Plates and Angle Irons, mode of rivetting, quality of Materials, and stamped with Maker's name.)

Foremast The lower Mast, Bowsprit, lower Yard, & Main & Fore lower Topmast Yds. are made of Iron. Fore Main Mast plates $\frac{3}{8}$ thick, 3 Angle Irons in each $3\frac{1}{2} \times 3\frac{1}{2}$ in 42 feet long. Main Mast plates $\frac{5}{16}$ thick 3 Angle Irons 36 feet long. Bowsprit plates $\frac{3}{8}$ thick 3 Angle Irons $2\frac{1}{2} \times 7\frac{1}{2}$ in entire length 83 pieces of angle Iron rivetted back to back 16 feet at top. Fore Main lower Yd. plates $\frac{5}{16}$ thick 4/16 at ends, 3 bars Convex Iron $2\frac{1}{2} \times 2\frac{1}{2} \times \frac{1}{4}$ 44 feet long, 3 doubling plates at flings 8 feet long $12 \times 5\frac{1}{8}$ on each, Fore Jack Yd. Main & Fore lower Topmast lower Yd. plates $\frac{4}{16}$ thick 3/16 at ends, 3 bars Convex Iron as above 33 feet long 3 doubling plates at flings $7\frac{1}{2}$ feet long $9 \times \frac{1}{2}$. Butts in main Yd. are treble & four fold rivetted where they meet. She has SAILS.

CABLES, &c.		ANCHORS, and their weights.	
No.	Chain	Tested to Tons.	No. Ex. Stock Tested to Tons.
1	Fore Sails,	300 17/8 68	Bowers, <u>Belmans Patent</u> 1 37.0 1033.16.3.14
one double	Fore Top Sails,	Hempe. Stream Cable 90 17/8 15.5	1 28.0 024.2.2.0
1	Fore Topmast Stay Sails,	Hawser 2 90 4	1 32.2 1430.11.3.14
1	Main Sails,	Towlines 90 12 1/2	Stream, <u>Belmans</u> 1 10.3 19 12.17.2.0
one double	Main Top Sails,	Warp	
and	All of <u>Good</u> quality.		Kedges, 1 16.0 0 8.5 0 0 1 2.2 11 5.2 2.0

Her Standing and Running Rigging Found to be sufficient in size and Good in quality.

She has one Long Boat and three others

The present state of the Windlass is Good Capstan, Good and Rudder Good Pumps Cast Metal & one Lead good

Order for Special Survey	DATES of	1st.	On the several parts of the frame, when in place, and before the plating was wrought	<u>December 6. 1865</u>
No. <u>20</u>	Surveys held	2nd.	On the plating during the progress of rivetting	<u>January 26. 1866</u>
Date <u>9th Dec 1865</u>	while building	3rd.	When the beams were in and fastened, and before the decks were laid	<u>February 15. 1866</u>
Order for Ordinary Survey	as per	4th.	When the ship was complete, and before the plating was finally coated	<u>April 9. 1866</u>
No. _____	Section 18.	5th.	After the ship was launched	<u>June 4. 1866</u>
Date _____				

State if she has a Spar Deck No Poop No or Forecastle Yes

General Remarks. Centre line Box Keelson. plates 14 feet long, $18\frac{1}{2} \times 11\frac{1}{16}$ deep amidships tapering to $12\frac{1}{2} \times 11\frac{1}{16}$ at ends of vessel. butt straps on top and sides 24×26 in broad four fold rivetted for about 45 feet amidships. Treble & double rivetted from thence to ends. Pelge Keelsons bulb Iron $9 \times 8\frac{1}{16}$ rivetted between two bars of angle iron $5\frac{1}{2} \times 4\frac{1}{2} \times \frac{1}{16}$ for 128 feet amidships. And from thence angle Irons rivetted back to back to ends. An additional stringer on upper deck 140 feet $28 \times 11\frac{1}{16}$ broad amidships tapering to 9 in at ends. Sheerstrakes treble rivetted for about 140 feet on each side amidships. Angle Irons on lower deck stringer, rivetted to double reverse bars. for 80 feet on each side.

I am of opinion that this vessel (when the sails on board are complete as per letter herewith) should be Classed A1.

In what manner are the surfaces preserved from oxidation? Inside above this is Coated twice with a mixture of Red & White

Ditto

ditto

Outside four coats of Red & White lead mixed, on bottom, topsides, and partly white,

I am of opinion this Vessel should be Classed _____

The amount of the Fee £ 5 : - : - is received by me. Wm Linton

June 1866 Special £ 40 : 18 : -

Certificate (X required) £ - : - : -

Committee's Minute 6th July 18 66

Character assigned A

Gen Comm. July 12

To have the form

This Vessel appears eligible for the Class

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