

# IRON SHIPS.

Re 5/10/66

2266 Survey held at Glasgow Date 10<sup>th</sup> Nov 1884  
Scow S. Bertha Master M. M. Hill

Age Gross 270.57 Engine Room 109.02 Register 261.55 Built at Glasgow  
 Built 1864 Launched 29<sup>th</sup> Oct. 1864 By whom built Thos. Winton & Co  
 Port belonging to Glasgow Destined Voyage Bordeaux  
 Surveyed Afloat or in Dry Dock while building

| Length aloft   | Feet.            | Inches.                    | Extreme Breadth | Feet. | Inches. | Depth from top of Upper Deck | Feet. | Inches. | Beam to top of Floor | Feet. | Inches. | Power of Engines | Horse. |
|--|------------------|----------------------------|-----------------|-------|---------|------------------------------|-------|---------|----------------------|-------|---------|------------------|--------|
| 170.6  |                  |                            | 21              |       |         | 12.45                        |       |         |                      |       |         | 20               |        |
| Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft       | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Floors, Size of Angle Iron, and No. at bottom of Floor Plate                           | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| depth and thickness of Floor Plate at mid line   | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| depth and thickness of Floor Plate at Bilge Keelson                                    | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Size of Reversed Angle Iron, and No. at top of Floor Plate                             | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Frames, Size of Angle Iron, single & double  | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Reversed Iron, if to every frame and on every other frame                              | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Beams, Deck (No. ) double Angle Iron, Plate, or Bulb Iron                              | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| double or single Angle Iron, on edge   | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| average space between  | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| if wood (No. ) sided & moulded   | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Hold, or Lower Deck (No. ) double Angle Iron, Plate, or Bulb Iron                      | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| double or single Angle Iron, on edge   | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| average space between  | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| if wood (No. ) sided & moulded   | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Paddle, wood, sided and moulded, or if Iron, size of Plate                             | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Engine   | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Keelson, single plate, box, or intercostal   | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Size of Plates   | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Size of Angle Irons  | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Ditto Bilge (No. )   | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Transoms, material   | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Knight-heads, and Hawse Timbers  | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| The Frames or Ribs extend in one length from   | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| The reverse angle irons on the floors extend in one length across the middle line from | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Keelson, how are the various lengths of plates or angle irons connected?               | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets       | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Edges from Garboards to upper part of bilge, worked                                    | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Butts from Keel to turn of bilge, worked carvel with a lining piece                    | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Edges from bilge to sheerstrake, worked  | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Edge of Sheerstrake, double or single rivetted?  | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Butts from bilge to planksheers, worked carvel with a lining piece                     | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted?           | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Planksheer, how secured to the plating of the sides                                    | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Waterway   | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Deck Beams, how secured to the side?   | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Hold or Lower Deck   | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| Paddle   | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| No. of breasthooks   | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |
| What description of iron is used for the angle iron and plate iron in the vessel?      | Inches. In Ship. | Inches. required per Rule. |                 |       |         |                              |       |         |                      |       |         |                  |        |



workmanship. Are the lands or laps of the plates in all cases in the ratio of at least five times the diameter of the rivets? Yes  
 edges and butts, and at least three times the diameter of the rivets where single rivetting is admitted? 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, or are they in short lengths of various thicknesses? Yes  
 Do the holes for rivetting plate to frames, lining pieces, 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 in corners of Bulk

Her Masts, Yards, &c., are in Good condition, and sufficient in size and length.  
 She has SAILS.

N°. A single  
Suit of  
Sails  
 and

CABLES, &c.  
Tested to 22 1/2 Tons  
Machine Oct 8/64  
 Hempen Stream Cable ..... 250 1 1/2  
 Hawser Chain (Stud) ..... 60 1 1/2  
 Towlines ..... 90 1 1/2  
 Warp ..... 90 5/8  
 All of Good quality.

Patent Patent  
 ANCHORS, and their weights.  
Tested to 10 tons  
for Thompson of London  
29th Sept. 1864  
 Bower ..... 3 1/2  
 Stream, ..... 1 1/2  
 Kedge, ..... 2 1/2

Her Standing and Running Rigging Good sufficient in size and Good in quality.

She has two life Boats Long Boat and two long Boats  
 The present state of the Windlass is new Capstan new and Rudder new Pumps new and efficient

General Remarks, Statement and Date of Repairs, extent of corrosion (if any) both internally and externally, and condition of rivets.

DATES of Surveys held while building, as per Section 17. 1st. On the several parts of the frame, when in place, and before the plating was wrought Built under Special  
 2nd. On the plating during the progress of rivetting Survey and seen on the following dates  
 3rd. When the beams were in and fastened, and before the decks were laid Aug 11. 18. 24. 30 Sept 5. 10. 17. Oct 7.  
 4th. When the ship was complete, and before the plating was finally coated 14. 24. 31 Nov 4. 7. 14. 21 Dec 1864  
 5th. After the ship was launched

Built as per accompanying Indenture Section, and fitted with  
a Full Poop and Forecastle. Masts and Yards of Red Pine and Spruce

In what manner are the surfaces preserved from oxidation? Flat of Bottom coated with Asphaltum, run  
red lead

I am of opinion this Vessel should be classed A

The amount of the Fee ..... £ 4 : 7 : 6 is received by me,

Deed MRS Special ..... £ 18 : 11 : 6

Certificate (if required) ..... £ 1 : 1 : 6

Committee's Minute 6th December 1864

Character assigned A

Committee's Minute  
6th Dec 1864  
1864

I concur in the above  
recommendation  
5th Dec 1864  
1864



Lloyd's Register  
 Foundation