

IRON SHIPS.

Request for S. S. No. 3238
 No. 3238 Survey held at Glasgow Date Aug. 18 1864
 on the S.S. "Colutha" Master William Gray
 Tonnage Gross 1000 Engine Room 110.61 Register 297.46 Built at Glasgow
 When Built 1863 Launched 1st July By whom built Messrs Barclay, Currie & Co
 Owners Messrs Barclay & Co Port belonging to Glasgow Destined Voyage Bristol Trade
 If Surveyed Afloat or in Dry Dock whilst 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.
190	3		20	9		14						90	
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	21		Inches in Ships.	21		Inches required per Rule.							
Floors, Size of Angle Iron, and No. of Plating at bottom of Floor Plate	3 1/2		Inches in Ship.	3 1/2		Inches required per Rule.	16ths required per Rule.						
depth and thickness of Floor Plate at mid line	1 1/2		Inches in Ship.	1 1/2		Inches required per Rule.	16ths required per Rule.						
depth and thickness of Floor Plate at Bilge Keelson	1 1/2		Inches in Ship.	1 1/2		Inches required per Rule.	16ths required per Rule.						
Size of Reversed Angle Iron, and No. of Plating at top of Floor Plate	3 1/2		Inches in Ship.	3 1/2		Inches required per Rule.	16ths required per Rule.						
Frames, Size of Angle Iron, single or double	3 1/2		Inches in Ship.	3 1/2		Inches required per Rule.	16ths required per Rule.						
Reversed Iron, if to every frame and in every other frame	3 1/2		Inches in Ship.	3 1/2		Inches required per Rule.	16ths required per Rule.						
Beams, Deck (No. 4) double Angle Iron, Plate, or Bulb Iron	3 1/2		Inches in Ship.	3 1/2		Inches required per Rule.	16ths required per Rule.						
double or single Angle Iron, on upper edge	3 1/2		Inches in Ship.	3 1/2		Inches required per Rule.	16ths required per Rule.						
average space between	3 feet												
if wood (No.) sided & moulded	3 feet												
Hold, or Lower Deck (No. 30) double Angle Iron, Plate, or Bulb Iron	3 1/2		Inches in Ship.	3 1/2		Inches required per Rule.	16ths required per Rule.						
double or single Angle Iron on upper edge	3 1/2		Inches in Ship.	3 1/2		Inches required per Rule.	16ths required per Rule.						
average space between	3 feet												
if wood (No.) sided & moulded	3 feet												
Paddle, wood, sided and moulded, or if Iron, size of Plate													
Engine													
Keelson, single plate, box, or intercostal	3 1/2		Inches in Ship.	3 1/2		Inches required per Rule.	16ths required per Rule.						
Size of Plates	3 1/2		Inches in Ship.	3 1/2		Inches required per Rule.	16ths required per Rule.						
Size of Angle Irons	3 1/2		Inches in Ship.	3 1/2		Inches required per Rule.	16ths required per Rule.						
Ditto Bilge (No. 100)	3 1/2		Inches in Ship.	3 1/2		Inches required per Rule.	16ths required per Rule.						
Transoms, material	Iron		if none, in what manner compensated for.										
Knight-heads, and Hawse Timbers	Iron		how secured to the sides of the ship										
The Frames or Ribs extend in one length from	Moulding to Gunwale		rivetted through plates with (3/4 in.) rivets, about (6 in.) apart.										
The reverse angle irons on the floors extend in one length across the middle line from	upper part of Hold Beams to		Ditto										
on the frames	Moulding to Gunwale												
Keelson, how are the various lengths of plates or angle irons connected?	By lining pieces												
Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets	3/4 in. diameter averaging (3 1/2 in.) from centre to centre of rivet.												
Edges from Garboards to upper part of bilge, worked carvel with a lining piece	(1/2 in.) thick, or clencher, double or single rivetted; rivets (3/4 in.) diameter, averaging (3 in.) from centre to centre of rivets.												
Butts from Keel to turn of bilge, worked carvel with a lining piece	3/4 in. thick, double or single rivetted; rivets (3/4 in.) diameter, averaging (3 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below?		No										
Edges from bilge to sheerstrake, worked carvel with a lining piece	() thick, or clencher, double or single rivetted; rivets (3/4 in.) diameter, averaging (3 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below?		No										
Edge of Sheerstrake, double or single rivetted?	double												
Butts from bilge to planksheers, worked carvel with a lining piece	3/4 in. thick, double or single rivetted; rivets (3/4 in.) diameter averaging (3 in.) from centre to centre of rivets. Breadth of laps in double rivetting (4 in.) Breadth of laps in single rivetting (2 in.)												
Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted?	double												
Planksheer, how secured to the plating of the sides	none		Explain by sketch										
Waterway	planksheer and to the Beams		if necessary. New Bolts and Nuts										
Deck Beams, how secured to the side?	Welded knees rivetted to Beams												
Hold or Lower Deck	Ditto		Ditto										
Paddle	Ditto												
No. of breasthooks	Four crutches		how are pointers compensated? all pointers run through										
What description of iron is used for the angle iron and plate iron in the vessel?	Cast iron & malleable		Builder's Signature										

Barclay, Currie & Co

2708 3708

Workmanship.

Are the lands or laps of the clenchwork in all cases in breadth at least five times the diameter of the rivets in double rivetted 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 Butts*

Her Masts, Yards, &c., are of *Wood* ^{good} condition, and sufficient in size and length.

She has SAILS.

CABLES, &c.

ANCHORS, and their weights.

N ^o .		Fathoms.	Inches.	N ^o .	Weight.
<i>Single</i>	Fore Sails,	<i>Tested to 28th Feb</i>		<i>Tested to 15th & 15th Feb</i>	
<i>Suit of</i>	Fore Top Sails,	<i>Chain</i>	<i>310</i>	<i>Bower</i>	<i>10.2.0</i>
<i>Sails</i>	Fore Topmast Stay Sails,	<i>Coiled - dated 21st June</i>	<i>17</i>	<i>Admiralty pattern</i>	<i>10.1.0</i>
	Main Sails,	<i>Hempen Stream Cable</i>	<i>90</i>	<i>Stream,</i>	<i>4.3.0</i>
and	Main Top Sails,	<i>Hawser</i>	<i>30</i>	<i>Kedge,</i>	<i>2.3.0</i>
		<i>Towlines</i>	<i>80</i>		
		<i>Warp</i>	<i>80</i>		
		<i>All of Good quality.</i>	<i>80</i>		

Her Standing and Running Rigging *Good* ^{adequate} sufficient in size and *Good* in quality.

She has *Two life boats Long Boat and 23rd feet each. Two Quarter Boats 21 feet 2.3.4 feet long*

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 Survey and seen on the following dates up to May 4. 9. 13. 26. 26.*
 - 2nd. On the plating during the progress of rivetting *Survey and seen on the following dates up to May 4. 9. 13. 26. 26.*
 - 3rd. When the beams were in and fastened, and before the decks were laid *30. June 4. 9. 30. 32. July 7. 12.*
 - 4th. When the ship was complete, and before the plating was finally coated *30. June 4. 9. 30. 32. July 7. 12.*
 - 5th. After the ship was launched *26 August 1864*

This vessel is fitted with a full Poop and Forecastle; Sheerstrake is increased a 10 of an inch in thickness and doubled with a 33rd in Plate to the bow, and extended for a length of 145 feet; Bulk head fitted to huddle line and Bulge Nelson 12. 30 and in all other respects as per accompanying midship Section

In what manner are the surfaces preserved from oxidation

Flat of Bottom with Portland Cement remainder with Red Lead and Black Paint

I am of opinion this Vessel should be classed *A. 1*

The amount of the Fee£ 5 : 0 : 0 is received by me,

Ant HMC

Special£ 25 : 0 : 0

Certificate (if required)£ 10 : 0 : 0

Committee's Minute *19th August 1864*

Character assigned *B*

MH

MP

I have examined this Report and concur in the recommendation

1864

18/8/64

Register Foundation