

IRON SHIPS.

Request for S. S. No. 330
 No. 2260 Survey held at Glasgow Date 29th Oct. 1884
 on the SS "Moray" Master John White
 Tonnage Gross 76.86 Engine Room 147.45 Register 629.4 Built at Glasgow
 When Built 1864 Launched 5th Oct. 1864 By whom built Messrs Barclay, Currie & Co
 Owners Warrack & Co Port belonging to Rush Destined Voyage Mediterranean
 If Surveyed Afloat or in Dry Dock whilst building

Length aloft	Feet.	Inches.	Extreme Breadth	Feet.	Inches.	Depth from top of Upper Deck Beam to top of Floor	Feet.	Inches.	Power of Engines	Horse.
226	8		28			15	5		120	
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	Inches in Ships.		Inches required per Rule.		Stem, if bar iron, moulding and thickness		Inches in Ship.		16ths required per Rule.	
Floors, Size of Angle Iron, and No. at bottom of Floor Plate	Inches in Ship.		Inches required per Rule.		" if plate iron, breadth and thickness		Inches in Ship.		16ths required per Rule.	
" depth and thickness of Floor Plate at mid line	Inches in Ship.		Inches required per Rule.		Stern-post, if bar iron, moulding and thickness		Inches in Ship.		16ths required per Rule.	
" depth and thickness of Floor Plate at Bilge Keelson	Inches in Ship.		Inches required per Rule.		" " if plate iron, breadth and thickness		Inches in Ship.		16ths required per Rule.	
" Size of Reversed Angle Iron, and No. at top of Floor Plate	Inches in Ship.		Inches required per Rule.		Keel, if bar iron, depth and thickness		Inches in Ship.		16ths required per Rule.	
Frames, Size of Angle Iron, single or double	Inches in Ship.		Inches required per Rule.		" if plate iron, breadth and thickness		Inches in Ship.		16ths required per Rule.	
" Reversed Iron, if to every frame	Inches in Ship.		Inches required per Rule.		Garboard Plates, Breadth and thickness		Inches in Ship.		16ths required per Rule.	
" " " " " " " " " " " "	Inches in Ship.		Inches required per Rule.		From Garboard to upper part of Bilge		Inches in Ship.		16ths required per Rule.	
Beams, Deck (No. 10) double Angle Iron, Plate, or Bulb Iron	Inches in Ship.		Inches required per Rule.		From upper part of Bilge to Sheerstrakes		Inches in Ship.		16ths required per Rule.	
" " double or single Angle Iron, on upper edge	Inches in Ship.		Inches required per Rule.		Sheerstrakes, Breadth and thickness		Inches in Ship.		16ths required per Rule.	
" " average space between	Inches in Ship.		Inches required per Rule.		Butt Straps to outside plating, Breadth and thickness		Inches in Ship.		16ths required per Rule.	
" " if wood (No.) sided & moulded	Inches in Ship.		Inches required per Rule.		Planksheers		Inches in Ship.		16ths required per Rule.	
" Hold, or Lower Deck (No. 40) double Angle Iron, Plate, or Bulb Iron	Inches in Ship.		Inches required per Rule.		Gunwale Plate or Stringer on ends of Up. Dk Beams		Inches in Ship.		16ths required per Rule.	
" " double or single Angle Iron on upper edge	Inches in Ship.		Inches required per Rule.		Angle Iron on ditto		Inches in Ship.		16ths required per Rule.	
" " average space between	Inches in Ship.		Inches required per Rule.		Diagonal Tie Plates on Beams		Inches in Ship.		16ths required per Rule.	
" " if wood (No.) sided & moulded	Inches in Ship.		Inches required per Rule.		Waterway		Inches in Ship.		16ths required per Rule.	
" Paddle, wood, sided and moulded, or if Iron, size of Plate	Inches in Ship.		Inches required per Rule.		Deck		Inches in Ship.		16ths required per Rule.	
" Engine " " " " " "	Inches in Ship.		Inches required per Rule.		Ceiling in Hold		Inches in Ship.		16ths required per Rule.	
Keelson, double plate, iron, or intercostal	Inches in Ship.		Inches required per Rule.		Ceiling betwixt Decks		Inches in Ship.		16ths required per Rule.	
" Size of Plates	Inches in Ship.		Inches required per Rule.		Beam Clamps or Spirketting		Inches in Ship.		16ths required per Rule.	
" Size of Angle Irons	Inches in Ship.		Inches required per Rule.		" Shelf		Inches in Ship.		16ths required per Rule.	
Ditto Bilge (No. 100)	Inches in Ship.		Inches required per Rule.		" Stringer Plates on ends of Hold or Lower Dk Beams		Inches in Ship.		16ths required per Rule.	
Transoms, material	Inches in Ship.		Inches required per Rule.		Ceiling between Decks		Inches in Ship.		16ths required per Rule.	
Knight-heads, and Hawse Timbers	Inches in Ship.		Inches required per Rule.		Stringer or Tie Plates outside Hatchways		Inches in Ship.		16ths required per Rule.	
The Frames or Ribs extend in one length from	Inches in Ship.		Inches required per Rule.		Deck Beam Clamps or Spirketting		Inches in Ship.		16ths 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.		" " Shelf		Inches in Ship.		16ths required per Rule.	
" " " on the frames " " " from middle line to	Inches in Ship.		Inches required per Rule.		Stringers in Hold		Inches in Ship.		16ths required per Rule.	
Keelson, how are the various lengths of plates or angle irons connected?	Inches in Ship.		Inches required per Rule.		Deck, Lower		Inches in Ship.		16ths required per Rule.	
Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets	Inches in Ship.		Inches required per Rule.		Deck, Upper, how fastened to Beams		Inches in Ship.		16ths required per Rule.	
" Edges from Garboards to upper part of bilge, worked carvel with a lining piece	Inches in Ship.		Inches required per Rule.		Bulkheads, No. 1		Inches in Ship.		16ths required per Rule.	
" Butts from Keel to turn of bilge, worked carvel with a lining piece	Inches in Ship.		Inches required per Rule.		" Thickness of		Inches in Ship.		16ths required per Rule.	
" Edges from bilge to sheerstrake, worked carvel with a lining piece	Inches in Ship.		Inches required per Rule.		" how secured to the sides of the ship		Inches in Ship.		16ths required per Rule.	
" Edge of Sheerstrake, double or single rivetted?	Inches in Ship.		Inches required per Rule.		" size of vertical angle iron and their distance apart		Inches in Ship.		16ths required per Rule.	
" Butts from bilge to planksheers, worked carvel with a lining piece	Inches in Ship.		Inches required per Rule.		The Frames or Ribs extend in one length from		Inches in Ship.		16ths required per Rule.	
Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted?	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.		16ths required per Rule.	
Planksheer, how secured to the plating of the sides	Inches in Ship.		Inches required per Rule.		" " " on the frames " " " from middle line to		Inches in Ship.		16ths required per Rule.	
Waterway " " planksheer and to the Beams	Inches in Ship.		Inches required per Rule.		Keelson, how are the various lengths of plates or angle irons connected?		Inches in Ship.		16ths required per Rule.	
Deck Beams, how secured to the side	Inches in Ship.		Inches required per Rule.		Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets		Inches in Ship.		16ths required per Rule.	
Hold or Lower Deck " " " " " "	Inches in Ship.		Inches required per Rule.		" Edges from Garboards to upper part of bilge, worked carvel with a lining piece		Inches in Ship.		16ths required per Rule.	
Paddle " " " " " "	Inches in Ship.		Inches required per Rule.		" Butts from Keel to turn of bilge, worked carvel with a lining piece		Inches in Ship.		16ths required per Rule.	
No. of breasthooks	Inches in Ship.		Inches required per Rule.		" Edges from bilge to sheerstrake, worked carvel with a lining piece		Inches in Ship.		16ths 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.		" Edge of Sheerstrake, double or single rivetted?		Inches in Ship.		16ths required per Rule.	

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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 and are the rivet holes
Do the holes for rivetting plate to frames, lining pieces, or plate to plate, &c., conform well to each other? Yes
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 in Good condition, and sufficient in size and length.
She has SALES.

CABLES, &c.

No.		Fathoms.	Inches.	No.	Weight.
<u>A Single</u> <u>Set of</u> <u>Sails</u>	Fore Sails,	<u>Tested to 3 1/2 Tons</u>	<u>1 1/2</u>	<u>Portsmouth Patent</u>	
	Fore Top Sails,	<u>Chain</u>	<u>1 1/2</u>	<u>Tested by Messrs. Dock</u>	
	Fore Topmast Stay Sails,	<u>Hempen Stream Cable</u>	<u>90</u>	<u>2 Harbour</u>	
	Main Sails,	<u>Hawser</u>	<u>30</u>	<u>Bower,</u>	
	Main Top Sails,	<u>Towlines</u>	<u>90</u>	<u>Stream,</u>	
		<u>Warp</u>	<u>90</u>	<u>Kedge,</u>	
	and	All of <u>Good</u> quality.			

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

She has Two 2 1/2 feet Long Boat and Two Quarter Boats of 2 1/2 feet and 2 1/2 feet
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
 - 3rd. When the beams were in and fastened, and before the decks were laid dates Sep 4. 18. 21. 26. 27. 2. 4. 19. 23
 - 4th. When the ship was complete, and before the plating was finally coated 31. 30. June 4. 9. 20. 22. July 12. 23. 26. 29
 - 5th. After the ship was launched Aug 3. 10. 16. 19. 27. Sep 5. 12. 26. Oct 3. 7. 12. 18. 21. 1864

This vessel has been built upon the 600 ton A Scale agreeable to request for Special Survey N^o 330, and is in every respect fully up to the requirements of that Tonnage; Since the vessel has been Plated an enclosed space has been made on deck measuring 8.43 Tons which has raised the Gross Tonnage above the ton consequence of which the whole of the outside plating should have been double Rivetted in lieu of only to the upper part of Bilges; at the same time I beg to point out for the Com^{rs} guidance that the Tiddle line keelson is fitted Intercostal, increased a 10 of one inch; Ribs are extended to the upper part of Hold Beams in lieu of upper part of Bilges; Hold Beams spaced to every second in lieu of second and fourth frame; is fitted with a Bulb keelson to Tiddle line and Bilge keelson 7 1/2 to 8, a doubling strake to sheerstrake 32 to 30 feet three fourths entire length, and a Clamp Plate 18 to 20 under deck beams as per Secretary's letter 19 Sept; In what manner are the surfaces preserved from oxidation? Plat of Bottom with Portland Cement, red with Red Lead and Patent Paint

I am of opinion this Vessel should be classed A!

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

Nov 11/64 Special£ 38 : 17 :
Certificate (if required)£ 10 : 0 : 0

Genl Committee's Minute 15th November 1864
17th November 1864
Character assigned A

(A + C.P.)

J. S. Darling
If the Committee do not object to the single Rivetting of the edges of plating above the bilge this defect is eligible for the 14th Nov 1864