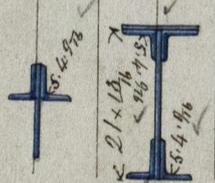


IRON SHIPS.

348

No. 1988 Survey held at D Belfast Date 4th February 1864
 on the New Iron Ship "Star of Scotia" Master J Mc Dowell
 Tonnage Gross 999 Engine Room — Register — Built at D Belfast Launched 9th Jan'y
 When Built 1864 By whom built Harland & Wolff Owners James P O'Carry & Co
 Port belonging to D Belfast Destined Voyage India via Liverpool
 Surveyed Afloat or in Dry Dock Specially Surveyed while 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 No.
209	-	32	-	22	3		
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	Inches in Ship: 20		Inches required per Rule: 20				
Floors, Size of Angle Iron, and No. 1 at bottom of Floor Plate	Inches in Ship: 4 1/2	Inches in Ship: 3	Inches in Ship: 8 1/2	Inches required per Rule: 4 3/4	Inches required per Rule: 3		
depth and thickness of Floor Plate at mid line	28		10 1/2	22	10 1/2		
depth and thickness of Floor Plate at Bilge Keelson	9 1/2		10 1/2				
Size of Reversed Angle Iron, and No. 2 at top of Floor Plate	3 1/2	3	7 1/2	3 1/4	3		
Frames, Size of Angle Iron, single or double	4 1/2	3	8 1/2	4 3/4	3		
Reversed Iron, to every frame or every frame	3 1/2	3	7 1/2				
Beams, Deck (No.) double Angle Iron or Bulb Iron with double Angle Iron on top	3	3	4 1/2	3	3		
depth & thickness of plate amidships	8	7 1/2	8		8 1/2		
double or single Angle Iron, on lower edge							
average space between	30 1/2		30 1/2				
if wood (No.) sided & moulded							
Hold, or Lower Deck (No.) double Angle Iron or Bulb Iron with double Angle Iron on top	3	3	4 1/2	3	3		
depth & thickness of plate amidships	11		11 1/2	8	8 1/2		
double or single Angle Iron, on lower edge							
average space between	30 1/2		30 1/2				
if wood (No.) sided & moulded							
Paddle, wood, sided and moulded or if Iron, size of Plate							
Engine							
Keelson, wood, sided & moulded, iron, size of plate, if Box, give sketch & dimensions							
Side or Bilge							
Number	3						



Transoms, material Iron or, if none, in what manner compensated for. By flooring plate rivetted to frame & tacked to stern post

Knight-heads " " Bulkheads, No. 3rd Main Deck Thickness of 1/2 in

Hawse Timbers " " are they free from defects? Yes how secured to the sides of the ship? Rivetted between two frames

The Frames or Ribs extend in one length from Keel to Gunwale rivetted through plates with (1/8 in.) rivets, about (6 in) apart.

The reverse angle irons on the floors extend in one length across the middle line from 1/2 ft up on each side alternately to hold beam stringer

Keelson, how are the various lengths of plates or angle irons connected? With butt straps and double rivetted

Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets (5/8 in.) diameter averaging (4 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 (1/8 in.) diameter, averaging (3 ins.) from centre to centre of rivets.

Butts from Keel to turn of bilge, worked carvel with a lining piece (12 1/2 in.) thick, double or single rivetted; rivets (1/8 in.) diameter, averaging (3 ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? Alternately

Edges from bilge to planksheer, worked carvel with a lining piece (1/2 in.) thick, double or single rivetted; rivets (1/8 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? Alternately

Butts from bilge to planksheers, worked carvel with a lining piece (11 1/2 in.) thick, or clencher, double or single rivetted; rivets (1/8 in.) diameter averaging (3 ins.) from centre to centre of rivets. Breadth of laps in double rivetting (4 1/2) Breadth of laps in single rivetting (—)

Planksheer, how secured to the plating of the sides { Explain by sketch, }

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

Side trussing " " breadth and thickness of plates " " how secured? —

Deck trussing " " " " " " ? —

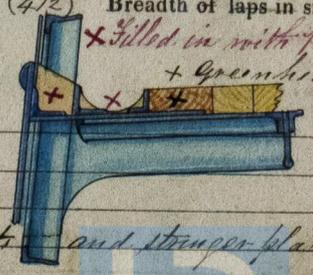
Deck Beams, how secured to the side? These plates welded & rivetted to frames

Hold or Lower Deck " The same as above, and diagonal trussing to masts and stringer plates

Paddle " " " " " " ? —

No. of breasthooks 4 crutches 3 how are pointers compensated? By plate iron rivetted to frames

What description of iron is used for the angle iron and plate iron in the vessel? Whittington & Wolchampton Builder's Signature



Harland & Wolff

Lloyd's Register

2019

IRON 437-0153

3484 Iron

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? Filled in solid
 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

Her Masts, Yards, &c., are in _____ condition, and sufficient in size and length.

She has SAILS.		CABLES, &c.		ANCHORS, and their weights.		
N ^o .			Fathoms.	Inches.	N ^o .	Weight.
	Fore Sails,	Admiralty, Best	150	1 1/2	Porter's Patent, Yested to	1 30.0.18
	Fore Top Sails,	Chain	150	1 1/2	Bower, 2 ^o	1 20.1.18
	Fore Topmast Stay Sails,	Hempen Stream Cable	90	1 1/2	Common Iron Stock	1 27.3.23
	Main Sails,	Hawser			Stream, Porter's Patent	1 11.0.18
	Main Top Sails,	Towlines			Kedge,	1 5.0.18
and		Warp				1 2.2.2
		All of _____ quality.				

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

She has one 24 feet Long Boat and three others

The present state of the Windlass is Good Capstans Good and Rudder Good Pumps 4 best metal good

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.	2nd.	3rd.	4th.	5th.
	On the several parts of the frame, when in place, and before the plating was wrought	On the plating during the progress of rivetting	When the beams were in and fastened, and before the decks were laid	When the ship was complete, and before the plating was finally coated	After the ship was launched
	<u>July 14th 1863</u>	<u>Sept 10th "</u>	<u>July 14th "</u>	<u>Dec 23rd "</u>	<u>July 4 1864</u>

This vessel has eight diagonal Sic plates $9 \times 8 \frac{1}{16}$ In on main deck. And two angle Irons $3 \frac{1}{2} \times 3 \times \frac{1}{16}$ In rivetted back to back, on each side of hatches on lower deck, from brake of Raised quarter deck, to stringer plates at the bow. Main line keelson $21 \times 13 \frac{1}{16}$ In deep amidships, tapering to $10 \times 13 \frac{1}{16}$ In at ends, with additional plate rivetted on top for 40 feet $11 \times 13 \frac{1}{16}$ In amidships. Mash plates $\frac{1}{16}$ In rivetted between the two Angle Irons of bilge keelson for 40 feet amidships. Butts of sheerstrakes, and upper deck stringer, are treble rivetted, for about 90 feet on each side amidships

In what manner are the surfaces preserved from oxidation? The flat of floor inside, to round the turn of bilge, all fore and aft is Portland Cemented, Above this together with the entire of hull is coated thrice, with a mixture of Red & White Lead paint

I am of opinion this Vessel should be classed A

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

Special£ 49 : 19 : 6

Certificate (if required)£ : : See hiker annexed

Committee's Minute 12th February 1864

Character assigned A

I concur in the above recommendation
 11 Feb 1864 J.H.R.

