

# IRON SHIP.

2290

No. 994 Survey held at Belfast Date, First Survey Nov 1<sup>st</sup> 1873 Last Survey 28<sup>th</sup> Dec 1874  
 On the Iron S. Belfast Yard Number 89 Master Wally  
 Tonnage under Deck 1412.06 ONE, OR TWO DECKED, THREE DECKED VESSEL.  
 Ditto of Third, Spar, or Awning Deck. 131.28 SPAR, OR AWNING-DECKED VESSEL.  
 Ditto of Poop, or Raised Or. Dk. 8.10 HALF BREADTH (moulded) 20.0 Feet.  
 Ditto of Houses on Deck 65.85 DEPTH from upper part of Keel to top of Upper Deck Beams 26.83  
 Ditto of Forecastle 1952.99 GIRTH of Half Midship Frame (as per Rule) 40.54  
 Gross Tonnage 99.44 1st NUMBER 89.40  
 Less Crew Space 1864.55 1st NUMBER, if a THREE-DECKED VESSEL deduct 7 feet 262.0  
 Less Engine Room 22.898 LENGTH 22.898  
 Register Tonnage (as cut on Beam) 1864.55 2nd NUMBER 6.55  
 PROPORTIONS—Breadths to Length 9.46  
 Depths to Length—Upper Deck to Keel 9.46  
 Main Deck ditto 9.46  
 Built at Belfast  
 When built 1874 Launched 15<sup>th</sup> Aug 74  
 By whom built Harland & Wolff  
 Owners J. & P. Brocklebank  
 Port belonging to Liverpool  
 Destined Voyage Melbourne  
 If Surveyed while Building, Afloat, or in Dry Dock.

LENGTH on deck as per Rule 262 Feet. 0 Inches. BREADTH—Moulded 40 Feet. 0 Inches. DEPTH top of Floors to Upper Deck Beams 24 Feet. 6 Inches. Do. do. Main Deck Beams 16 Feet. 4 Inches. Power of Engines 16 Horse. N<sup>o</sup>. of Decks with flat laid 2 N<sup>o</sup>. of Tiers of Beams 2

Dimensions of Ship per Register, length, 262.2 breadth, 40.2 depth, 24.25

	Inches in Ship.	Inches per Rule.	Inches in Ship.	Inches per Rule.	Inches in Ship.	Inches per Rule.	Inches in Ship.	Inches per Rule.
KEEL, depth and thickness	9 x 3	10 x 2 3/4						
STEM, moulding and thickness	9 x 3	10 x 2 3/4						
STERN-POST for Rudder do. do.	8 1/2 x 3 1/4	10 x 2 3/4						
for Propeller	24	24						
Distance of Frames from moulding edge to moulding edge, all fore and aft	24	24						
FRAMES, Angle Iron, for 2/3 length amidships	5 x 3 1/2	8 x 3 1/2						
Do. for 1/3 at each end	5 x 3 1/2	8 x 3 1/2						
REVERSED FRAMES, Angle Iron	3 1/2 x 3 1/2	8 x 3 1/2						
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships	28	25	10	10				
thickness at the ends of vessel	13	12 1/2						
depth at 2/3 the half-bdth. as per Rule	53	50						
height extended at the Bilges	9 x 9	9 1/2 x 9						
BEAMS, Upper, Spar, or Awning Deck Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	9 x 9	9 1/2 x 9						
Single or double Angle Iron on Upper edge	48	48						
Average space	48	48						
BEAMS, Main or Middle Deck Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	10 x 10	10 x 10						
Single or double Angle Iron on Upper Edge	48	48						
Average space	48	48						
BEAMS, Lower Deck, Hold or Orlop Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	10 x 10	10 x 10						
Single or double Angle Iron on Upper Edge	48	48						
Average space	48	48						
KEELSONS Centre line, single or double plate, box, or Intercoastal, Plates	22 x 13	19	13	13				
Rider Plate	13 x 10	13	10	10				
Bulb Plate to Intercoastal Keelson	6 x 4	9	6	4	9	9	9	9
Angle Irons	6 x 4	9	6	4	9	9	9	9
Double Angle Iron Side Keelson	6 x 4	9	6	4	9	9	9	9
Side Intercoastal Plate	6 x 4	9	6	4	9	9	9	9
do. Angle Irons	6 x 4	9	6	4	9	9	9	9
Attached to outside plating with angle iron	6 x 4	9	6	4	9	9	9	9
BILGE Angle Irons	6 x 4	9	6	4	9	9	9	9
do. Bulb Iron	6 x 4	9	6	4	9	9	9	9
do. Intercoastal plates riveted to plating for length	6 x 4	9	6	4	9	9	9	9
BILGE STRINGER Angle Irons	6 x 4	9	6	4	9	9	9	9
Intercoastal plates riveted to plating for length	6 x 4	9	6	4	9	9	9	9
SIDE STRINGER Angle Irons	6 x 4	9	6	4	9	9	9	9
Plate	6 x 4	9	6	4	9	9	9	9
Transoms, material. Knight-heads. Hawse Timbers.	6 x 4	9	6	4	9	9	9	9
Windlass	6 x 4	9	6	4	9	9	9	9
Pall Bitt	6 x 4	9	6	4	9	9	9	9

Is the Stringer Plate attached to the outside plating? Yes  
 Angle Irons on ditto, No. 4 x 4 x 9  
 Tie Plates, outside Hatchways 4 x 4 x 9  
 Diagonal Tie Plates on Beams, No. of pairs 4  
 Waterways materials and scantlings 4 x 4 x 9  
 Flat of Middle Deck do. 4 x 4 x 9  
 How fastened to Beams 4 x 4 x 9  
 Stringer Plates on ends of Lower Deck, Hold or Orlop Beams 4 x 4 x 9  
 Is the Stringer Plate attached to the outside plating? Yes  
 Angle Irons on ditto, No. 4 x 4 x 9  
 Stringer or Tie Plates, outside Hatchways 4 x 4 x 9  
 Flat of Lower Deck 4 x 4 x 9  
 Ceiling between Decks, thickness and material 4 x 4 x 9  
 in hold 4 x 4 x 9  
 Main piece of Rudder, diameter at head 4 x 4 x 9  
 do. at heel 4 x 4 x 9  
 Can the Rudder be unshipped afloat? Yes  
 Bulkheads No. 1 Thickness of 4 x 4 x 9  
 Height up 4 x 4 x 9  
 How secured to sides of ship 4 x 4 x 9  
 Size of Vertical Angle Irons 4 x 4 x 9 and distance apart 30 ins.  
 Are the outside Plates doubled two spaces of Frames in length? Yes

The FRAMES extend in one length from Middle line to Upper deck stringer  
 The REVERSED ANGLE IRONS on floors and frames extend from about middle line to Upper deck stringer and to Lower deck stringer alternately  
 KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? Yes And butts properly shifted? Yes  
 PLATING. Garboard, double riveted to Keel, with rivets 1 1/8 in. diameter, averaging 5 ins. from centre to centre.  
 Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 1 1/8 in. diameter, averaging 3 3/4 ins. from centre to centre.  
 Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 1 1/8 in. diameter averaging 3 3/4 ins. from centre to centre.  
 Butts of 3 Strakes at Bilge for hay length, treble riveted with Butt Straps 1 1/4 thicker than the plates they connect.  
 Edges from bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 1 1/8 in. diameter, averaging 3 3/4 ins. from cr. to cr.  
 Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 1 1/8 in. diameter, averaging 3 3/4 ins. from cr. to cr.  
 Edges of Main Sheerstrake, double or single riveted. Upper Sheerstrake, double or single riveted, on lower edge.  
 Butts of Main Sheerstrake, treble riveted, for hay length amidships. Butts of Upper or Spar Sheerstrake, treble riveted hay length amidships.  
 Butts of Main Stringer Plate, treble riveted for hay length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for hay length.  
 Breadth of laps of plating in double riveting 5 1/2 Breadth of laps of plating in single riveting 3

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? Yes  
 Waterway, how secured to Beams Butt waterway (Explain by Sketch, if necessary.)  
 Beams of the various Decks, how secured to the sides? Butt waterway No. of Breasthooks, 5 Crutches, 4  
 What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Butt waterway  
 Manufacturer's name or trade mark, Harland & Wolff  
 The above is a correct description.  
 Builder's Signature, S. A. Harland & Wolff Surveyor's Signature, S. A. Harland & Wolff



