

# IRON SHIP.

Rec 8/2/93

No. 2284 Survey held at Belfast Date, First Survey 14 Feb. 94 Last Survey 15 Feb. 1895  
On the "Iron S. Star of Russia" Yard Number 88 Master Simpson

TONNAGE under Tonnage Deck } <u>1464.89</u>	ONE, OR TWO DECKED, THREE DECKED VESSEL.	Built at <u>Belfast</u>
Ditto of Third Spar, or Awaiting Deck. } <u>138.44</u>	SPAR, OR AWNING-DECKED VESSEL.	When built <u>1894.8.5</u> Launched <u>12 Dec. 94</u>
Ditto of Poop, or Raised Qr. Dk. } <u>12.64</u>	HALF BREADTH (moulded) ... .. <u>20.0</u>	By whom built <u>Harland &amp; Wolff</u>
Ditto of Houses on Deck ... } <u>62.38</u>	DEPTH from upper part of Keel to top of Upper Deck Beams <u>26.83</u>	Owners <u>P. P. Corry &amp; Co</u>
Ditto of Forecastle <u>1981.38</u>	GIRTH of Half Midship Frame (as per Rule) ... .. <u>40.54</u>	Port belonging to <u>Belfast</u>
Gross Tonnage <u>88.92</u>	1st NUMBER ... .. <u>84.40</u>	Destined Voyage <u>Australia via London</u>
Less Engine Room	1st NUMBER, if a THREE-DECKED VESSEL deduct 7 feet ... .. <u>262.8</u>	Surveyed while Building, Afloat, or in Dry Dock.
Register Tonnage as cut on Beam } <u>1892.46</u>	LENGTH ... .. <u>22.898</u>	
	2nd NUMBER ... .. <u>6.55</u>	
	PROPORTIONS—Breadths to Length ... .. <u>9.46</u>	
	Depths to Length—Upper Deck to Keel ... ..	
	Main Deck ditto ... ..	

LENGTH on deck as per Rule ... <u>262.0</u>	BREADTH—Moulded ... <u>40.0</u>	DEPTH top of Floors to Upper Deck Beams ... <u>24.6</u>	Feet. Inches. <u>24 6</u>	Power of Engines ...	Horse, ...	Nº. of Decks with flat laid ... <u>One</u>	Nº. of Tiers of Beams ... <u>Two</u>
Dimensions of Ship per Register, length <u>262.5</u> breadth <u>40.2</u> depth <u>24.25</u>							
KEEL, depth and thickness ... ..	Inches in Ship. <u>9 x 3"</u>	Inches per Rule. <u>10 x 2 3/4</u>	Flat Keel Plates, breadth and thickness ... ..				
STEM, moulding and thickness ... ..	<u>9 x 3"</u>	<u>10 x 2 3/4</u>	PLATES in Garboard Strakes, breadth and thickness from Garboard to upper part of Bilges of doubling at Bilge, or increased thickness, and length applied <u>3 1/2</u> length				
STERN-POST for Rudder do. do. for Propeller ... ..	<u>8 1/2 x 3 1/4</u>	<u>10 x 2 3/4</u>	fm up. part of Bilge to l. edge of Sh'rstrake Main Sheerstrake, breadth and thickness of d'bling at Sh'rstrake, & length applied from Mn. to Up. or Spar Dk. Sh'rstrake.				
Distance of Frames from moulding edge to moulding edge, all fore and aft ... ..	<u>24"</u>	<u>24"</u>	Up. or Spar Dk Sh'rstrake, brdth & thickness <u>40 13</u> <u>40 13</u>				
FRAMES, Angle Iron, for 2/3 length amidships ... ..	Inches. In Ship. <u>5 3/2</u>	Inches. In Ship. <u>5 3/2</u>	Butt Straps to outside plating, breadth & thickness <u>12 6 1/4</u> <u>12 6 1/4</u>				
Do. for 1/2 at each end ... ..	<u>5 3/2</u>	<u>5 3/2</u>	Lengths of Plating ... .. <u>12 feet</u>				
REVERSED FRAMES, Angle Iron ... ..	<u>3 1/2</u>	<u>3 1/2</u>	Shifts of Plating, and Stringers ... .. <u>4 feet</u>				
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships ... ..	<u>28</u>	<u>25</u>	Gunwale Plate on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness ... ..				
thickness at the ends of vessel ... ..	<u>13</u>	<u>12 1/2</u>	Angle Iron on ditto (Upper Section) ... .. <u>5 1/2 x 9</u> <u>6 1/4 x 9</u>				
depth at 2/3 the half-bdth. as per Rule ... ..	<u>5 3/2</u>	<u>50</u>	Tie Plates fore and aft, outside Hatchways ... .. <u>12 10</u> <u>12 x 10</u>				
height extended at the Bilges ... ..	<u>9</u>	<u>9 1/2</u>	Diagonal Tie Plates on Beams No. of Pairs <u>13</u> " " " "				
BEAMS, Upper, Spar, or Awning Deck Single or d'ble Ang. Iron, Plate or Tee Bulb Iron } <u>Bulb Tee</u>	<u>9</u>	<u>9 1/2</u>	Planksheer material and scantling } <u>Cuttie Waterway Cemented</u>				
Single or double Angle Iron on Upper edge ... ..	<u>48</u>	<u>48</u>	Waterways do. do. ... .. <u>4</u> <u>4"</u>				
Average space ... ..	<u>48</u>	<u>48</u>	Flat of Upper Deck do. <u>Yellow Pine</u> <u>4</u> <u>4"</u>				
BEAMS, Main or Middle Deck Single or d'ble Ang. Iron, Plate or Tee Bulb Iron } <u>Bulb Tee</u>	<u>10</u>	<u>10</u>	How fastened to Beams <u>Gal. Iron Nuts &amp; Washers Bolt</u>				
Single, or double Angle Iron, on Upper Edge ... ..	<u>48</u>	<u>48</u>	Stringer Plate on ends of Main or Middle Deck Beams, breadth and thickness ... ..				
Average space ... ..	<u>48</u>	<u>48</u>	Is the Stringer Plate attached to the outside plating?				
BEAMS, Lower Deck, Hold or Orop Single or d'ble Ang. Iron, Plate or Tee Bulb Iron } <u>Bulb Tee</u>	<u>10</u>	<u>10</u>	Angle Irons on ditto, No. ... ..				
Single or double Angle Iron on Upper Edge ... ..	<u>48</u>	<u>48</u>	Tie Plates, outside Hatchways ... ..				
Average space ... ..	<u>48</u>	<u>48</u>	Diagonal Tie Plates on Beams, No. of pairs ... ..				
KEELSONS Centre line, single or double plate, box, or Intercostal, Plates ... ..	<u>22</u>	<u>19</u>	Waterways materials and scantlings ... ..				
" Rider Plate ... ..	<u>13</u>	<u>13</u>	Flat of Middle Deck do. do. ... ..				
" Bulb Plate to Intercostal Keelson ... ..	<u>6</u>	<u>6</u>	How fastened to Beams ... ..				
" Angle Irons ... ..	<u>6</u>	<u>6</u>	Stringer Plates on ends of Lower Deck, Hold or Orop Beams ... .. <u>33 9</u> <u>33 9</u>				
" Double Angle Iron Side Keelson ... ..	<u>6</u>	<u>6</u>	Is the Stringer Plate attached to the outside plating? <u>Yes</u>				
" Side Intercostal Plate (Mask) ... ..	<u>6</u>	<u>6</u>	Angle Irons on ditto, No. <u>Two</u> ... .. <u>4 1/4 x 9</u> <u>4 1/4 x 9</u>				
" do. Angle Irons ... ..	<u>6</u>	<u>6</u>	Stringer or Tie Plates, outside Hatchways ... .. <u>3 1/2 x 3</u> <u>9 and 3 pairs of diagonal</u>				
" Attached to outside plating with angle iron <u>Not attached</u>	<u>3</u>	<u>3</u>	Flat of Lower Deck (Part. laid) ... .. <u>3 1/2</u> <u>3 1/2</u>				
BILGE Angle Irons ... ..	<u>6</u>	<u>6</u>	Ceiling betwixt Decks, thickness and material ... .. <u>2 1/2</u> <u>2 1/2</u>				
" do. Bulb Iron ... ..	<u>6</u>	<u>6</u>	in hold do. do. ... .. <u>3 1/2</u> <u>3 1/2</u>				
" do. Intercostal plates riveted to plating for length ... ..	<u>6</u>	<u>6</u>	Main piece of Rudder, diameter at head ... .. <u>3 1/2</u> <u>3 1/2</u>				
BILGE STRINGER Angle Irons ... ..	<u>6</u>	<u>6</u>	do. at heel ... .. <u>3 1/2</u> <u>3 1/2</u>				
Intercostal plates riveted to plating for length ... ..	<u>6</u>	<u>6</u>	Can the Rudder be unshipped afloat? <u>Yes</u>				
SIDE STRINGER Angle Irons ... ..	<u>6</u>	<u>6</u>	Bulkheads No. <u>3</u> Thickness of <u>1/16</u>				
" Plate (Bulb) ... ..	<u>8</u>	<u>8</u>	Height up <u>to upper deck</u>				
Transoms, material. Knight-heads. Hawse Timbers. ... ..	<u>8</u>	<u>8</u>	How secured to sides of ship <u>Patent double frames</u>				
Windlass <u>Greenheart</u> Pall Bitt of <u>Iron</u> ... ..	<u>8</u>	<u>8</u>	Size of Vertical Angle Irons <u>4 1/2 x 3 1/2</u> and distance apart <u>30</u> ins.				

The FRAMES extend in one length from Middle line to Upper deck stringer Riveted through plates with 1 1/4 in. Rivets, about 4 apart.

The REVERSED ANGLE IRONS on floors and frames extend from 1/8" 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 three Strakes at Bilge for half length, treble riveted with Butt Straps 1 1/8 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 1/2 length amidships. Butts of Upper or Spar Sheerstrake, treble riveted 1/2 length amidships.

Butts of Main Stringer Plate, treble riveted for 1/2 length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for 1/2 length.

Breadth of laps of plating in double riveting 5 1/2 Breadth of laps of plating in single riveting 3

But Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted?

Waterway, how secured to Beams Cuttie Waterway (Explain by Sketch, if necessary.)

Beams of the various Decks, how secured to the sides? Mentum & Milard No. of Breasthooks, Five Crutches, Four

What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Crucible, Mottled & Blachain

Manufacturer's name or trade mark, Mottled, "Blachain" & W.C. & P. Hematite Co. Mottled, W.C. & P. Hematite Co.

The above is a correct description.

Builder's Signature, Harland & Wolff Surveyor's Signature, Wm. M. Hall

