

# IRON SHIP.

(Received at London Office)

18

Survey held at Paisley Date, First Survey 7th 4th 1894 Last Survey

S. S. Primrose

Official Number 6864

NAME under Tonnage Deck 184.71

Ditto of Third, Spar, or Awning Deck 5.25

Ditto of Poop, or Raised Qr. Dk. 46.93

Ditto of Houses on Deck 7.79

Ditto of Forecastle 17.80

Gross Tonnage 262.48

Less Crew Space 30.67

231.81

Less Engine Room 136.33

Register Tonnage as cut on Beam 95.48

ONE, ~~ONE DECKED~~ ~~THREE DECKED VESSEL~~, ~~STEEL OR IRON DECKED VESSEL~~

Half Breadth (moulded) 10.0

Depth from upper part of Keel to top of Upper Deck Beams 11.0

Girth of Half Midship Frame (as per Rule) 18.58

1st Number 39.58

1st Number, if 2 Decked Vessel, does not 7 feet

Length 134.0

2nd Number 5303.72

Proportions— Breadths to Length 6.7

Depths to Length—Upper Deck to Keel 12.18

Main Deck ditto

Master R. D. Roberts

Built at Paisley

When built 1894-1895 Launched Jan 17th 1895

By whom built H. M. Intyre & Co.

Owners R. Hughes

Residence Liverpool

Port belonging to Liverpool

Destined Voyage Not fixed

If Surveyed while Building, Afloat, or in Dry Dock. While building & afloat.

LENGTH	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH	Feet.	Inches.	Power of	Horse.	Nº. of Decks with flat laid	Nº. of Tiers of Beams
on deck as per Rule	134	0	Moulded...	20	0	top of Floors to Upper Deck Beams Do. do. Main Deck Beams	10	0	Engines ...	44		
Dimensions of Ship per Register, length, 135.0 breadth, 20.1 depth, 9.8 Moulded depth 10.7												
KEEL, depth and thickness	7 x 1 1/2		7 x 1 1/2		7 x 1 1/2		7 x 1 1/2		Flat Keel Plates, breadth and thickness			
STEM, moulding and thickness	6 1/4 x 1 1/2		6 1/4 x 1 1/2		6 1/4 x 1 1/2		6 1/4 x 1 1/2		PLATES in Garboard Strakes, br'dth & thickness			
STERN-POST for Rudder do. do.	6 1/4 x 3/4		6 1/4 x 3/4		6 1/4 x 3/4		6 1/4 x 3/4		From Garboard to upper part of Bilges...			
" " for Propeller	6 1/4 x 3/4		6 1/4 x 3/4		6 1/4 x 3/4		6 1/4 x 3/4		Of plating at Bilge, or increased thickness, and length applied half length			
Distance of Frames from moulding edge to moulding edge, all fore and aft	21		21		21		21		From up. prt of Bilge to l.r. edge of Sh'rstrake...			
(Class 100A)												
FRAMES, Angle Iron, for 1/2 length amidships	3 2 1/2 5		3 2 1/2 5		3 2 1/2 5		3 2 1/2 5		Main Sheerstrake, breadth and thickness.....			
Do. for 1/2 at each end	3 2 1/2 5		3 2 1/2 5		3 2 1/2 5		3 2 1/2 5		Of d'bling at Sh'stk. & lng. applied			
REVERSED FRAMES, Angle Iron	2 1/2 2 1/2 4		2 1/2 2 1/2 4		2 1/2 2 1/2 4		2 1/2 2 1/2 4		Up. or Spar Dk Sh'rstrake, br'dth & thickness...			
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships	12 5 3		12 5 3		12 5 3		12 5 3		Butt Straps to outside plating, breadth & thickness			
" thickness at the ends of vessel	6		6		6		6		Lengths of Plating Seven spaces			
" depth at 3/4 the half-bdth. as per Rule	24		24		24		24		Shifts of Plating, and Stringers			
" height extended at the Bilges	24		24		24		24		Gunwale Plate on ends of <del>Awning, Spar, or</del>			
BEAMS, Upper, Spar, or Awning Deck	4 3 6		4 2 1/2 6		4 2 1/2 6		4 2 1/2 6		Upper Deck Beams, breadth and thickness...			
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	21		21		21		21		Angle Iron on ditto			
Single or double Angle Iron on Upper edge	21		21		21		21		Tie Plates fore and aft, outside Hatchways			
Average space	21		21		21		21		Diagonal Tie Plates on Beams, No. of pairs			
BEAMS, Main, or Middle Deck	4 3 6		4 2 1/2 6		4 2 1/2 6		4 2 1/2 6		Flat of Up., Spar, or Awning Dk. * Iron			
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	21		21		21		21		How fastened to Beams			
Single or double Angle Iron on Upper Edge	21		21		21		21		Stringer Plate on ends of Main or Middle Deck			
Average space	21		21		21		21		Beams, breadth and thickness			
BEAMS, Lower Deck	4 3 6		4 2 1/2 6		4 2 1/2 6		4 2 1/2 6		Is the Stringer Plate attached to the outside plating?			
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	21		21		21		21		Angle Irons on ditto, No.			
Single or double Angle Iron on Upper Edge	21		21		21		21		Tie Plates, outside Hatchways			
Average space	21		21		21		21		Diagonal Tie Plates on Beams, No. of pairs			
BEAMS, Hold, or Orlop	4 3 6		4 2 1/2 6		4 2 1/2 6		4 2 1/2 6		Flat of Middle Deck * do do			
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	21		21		21		21		How fastened to Beams			
Single or double Angle Iron on Upper Edge	21		21		21		21		Stringer Plates on ends of Lower Deck, Hold or Orlop Beams under R. 2. D. etc.			
Average space	21		21		21		21		Is the Stringer Plate attached to the outside plating?			
KEELSONS Centre line, single or double plate, box, or Intercostal, Plates	6 9 10 8		6 9 10 8		6 9 10 8		6 9 10 8		Angle Irons on ditto, No.			
" Rider Plate	7 1/2 8 7 8		7 1/2 8 7 8		7 1/2 8 7 8		7 1/2 8 7 8		Stringer or Tie Plates, outside Hatchways			
" Bulb Plate to Intercostal Keelson	3 1/2 3 7 3 3 6		3 1/2 3 7 3 3 6		3 1/2 3 7 3 3 6		3 1/2 3 7 3 3 6		Flat of Lower Deck *			
" Angle Irons	4		4		4		4		Ceiling betwixt Decks, thickness and material			
" Double Angle Iron Side Keelson	4		4		4		4		" in hold do. do.			
" Side Intercostal Plate Wash Plates	4		4		4		4		Main piece of Rudder, diameter at head			
" do. Angle Irons	4		4		4		4		do. at heel			
" Attached to outside plating with angle iron	3 2 1/2 5 3 2 1/2 5		3 2 1/2 5 3 2 1/2 5		3 2 1/2 5 3 2 1/2 5		3 2 1/2 5 3 2 1/2 5		Can the Rudder be unshipped afloat? Yes			
BILGE Angle Irons	3 3 6 3 3 6		3 3 6 3 3 6		3 3 6 3 3 6		3 3 6 3 3 6		Bulkheads No. 3 No. per Rule 3 approved			
" do. Bulb Iron	6 5 5 5		6 5 5 5		6 5 5 5		6 5 5 5		" Thickness of 5/16 x 4/16			
" do. Intercostal plates riveted to plating for length	3 3 6 3 3 6		3 3 6 3 3 6		3 3 6 3 3 6		3 3 6 3 3 6		" Height up all to deck			
BILGE STRINGER Angle Irons	3 3 6 3 3 6		3 3 6 3 3 6		3 3 6 3 3 6		3 3 6 3 3 6		" How secured to sides of ship between double frames			
Intercostal plates riveted to plating for length	3 3 6 3 3 6		3 3 6 3 3 6		3 3 6 3 3 6		3 3 6 3 3 6		" Size of Vertical Angle Irons 3 x 2 1/2 x 9/16 and distance apart 30 ins.			
SIDE STRINGER Angle Irons under R. 2. D.	3 3 6 3 3 6		3 3 6 3 3 6		3 3 6 3 3 6		3 3 6 3 3 6		" Are the outside Plates doubled two spaces of Frames in length? Yes			

The FRAMES extend in one length from Keel to Gunwale

The REVERSED ANGLE IRONS on floors and frames extend from middle line to upper turn of bilge and to Main deck alternately

KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? Yes

PLATING. Garboard, double riveted to Keel, with rivets 1 in. diameter, averaging 5 ins. from centre to centre.

" Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 3/4 in. diameter, averaging 3 1/2 ins. from centre to centre.

" Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 7/8 - 3/4 in. diameter averaging 2 1/2 - 3 ins. from centre to centre.

" Butts of Strakes at Bilge for half length, treble riveted with Butt Straps 1/16 thicker than the plates they connect.

" Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 3/4 in. diameter, averaging 3 1/4 ins. from cr. to cr.

" Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 3/4 - 5/8 in. diameter, averaging 3 - 2 1/2 ins. from cr. to cr.

" Edges of Main Sheerstrake, double or single riveted.

" Butts of Main Sheerstrake, treble riveted for in way length amidships.

" Butts of Main Stringer Plate, treble riveted for all length amidships.

" Breadth of laps of plating in double riveting 4 1/2 Breadth of laps of plating in single riveting 2 5/8

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? Treble & double

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

Manufacturer's name or trade mark, Anglo Saxon and Long Co. Platts Bowfield

The above is a correct description.

Builder's Signature, H. M. Intyre & Co.

Surveyor's Signature, Charles Edwards

Surveyor to Lloyd's Register of British and Foreign Shipping.

Workmanship. Are the butts of plating planed or otherwise fitted?

Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies?

Are the fillings between the ribs and plates solid single pieces?

Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other?

Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces?

Do any rivets break into or through the seams or butts of the plating?

Masts, Bowsprit, Yards, &c., are *P. Pine* in *good* condition, and sufficient in size and length. If of Iron or Steel give Scanlings of Plating, Angle Irons, &c., and further explain by a Sketch showing how the lower Masts and Bowsprit are constructed, showing the number of Plates and Angle Irons, mode of riveting, quality of Materials, and if stamped with Maker's name.

State also Length and Diameter of Lower Masts and Bowsprit

NUMBER for EQUIPMENT		Fathoms.	Inches.	Test per Certificate.	Inches per Rule.	Machine where Tested & Suprtd.	ANCHORS.	N <sup>o</sup> .	Weight. Ex. Stock.	Test per Certificate.	W'ght req'd per Rule.	Machine where Tested & Suprtd.
SAILS.							Bower Anchors					
CABLES, &c.							(State Machine where Tested, Date, or No. of Certificate, & Name of Superintendent.)					
N <sup>o</sup> .	Chain	165	14/16	3.5 20/8	105-14/16							
	Fore Sails,			7.5 13/4								
	Fore Top Sails,	45	10/16	" 10 1/2	45-10/16							
	Fore Topmast Stay Sails,											
	Towline, Hemp.	75	6 1/2		75-6 1/2							
	or Steel Wire											
	Main Sails,	90	4		90-4							
	Hawser	240	3									
	Warp											

Standing and Running Rigging *Wine + Manila* sufficient in size and *good* in quality. She has *one* Long Boat and *another*

The Windlass is *Fisher & Coys* Capstan *✓* and Rudder *good* Pumps *good*

Engine Room Skylights.—How constructed? *Leak frames on iron* How secured in ordinary weather? *Quadrants*

What arrangements for deadlights in bad weather? *Bulls eyes + strong Canvas covers*

Coal Bunker Openings.—How constructed? *Cast iron frames* How are lids secured? *With a clutch* Height above deck? *Flush*

Scuppers, &c.—What arrangements for clearing upper deck of water, in case of shipping a sea? *Two wash ports 2' 5" x 18" one mooring pipe + two scuppers on each side of Main Deck forward, Open bulwarks on the R. 2<sup>d</sup> Deck*

Cargo Hatchways.—How formed? *Plates + Angles*

State size Main Hatch *19' 0" x 10' 0" x 25'* Forehatch *✓* Quarterhatch *7' 10" x 10' 0" x 25'*

If of extraordinary size, state how framed and secured? *Not of extraordinary size*

What arrangement for shifting beams? *One dup Web plate with one P.A. in Main Hatchway*

Hatches, If strong and efficient? *Yes Solid*

Order for Special Survey No. <i>1981</i>	1st. On the several parts of the frame, when in place, and before the plating was wrought	<i>1884: Nov 4, 13, 18, 20, 24, 27; Dec 5, 9,</i>
Date <i>14<sup>th</sup> Oct 1884</i>	2nd. On the plating during the process of riveting	<i>11, 16, 19, 24, 30; 1885: Jan 9, 12, 14, 15, 22,</i>
Order for Ordinary Survey No. <i>1982</i>	3rd. When the beams were in and fastened, and before the decks were laid....	<i>24, 27, 30; Feb 4, 5, 10, 11, 13, 20, 25, March 2.</i>
Date <i>14<sup>th</sup> Oct 1884</i>	4th. When the ship was complete, and before the plating was finally coated or cemented..	
No. <i>117</i> in builder's yard.	5th. After the ship was launched and equipped	
State dates of letters respecting this case	<i>Oct 16<sup>th</sup> 1884, Jan 13<sup>th</sup> 1885.</i>	

General Remarks (State quality of workmanship, &c.) *Workmanship and Materials are good.*

*This is a one deck vessel constructed with a Raised Quarter deck 64' 6"; Bridge House 9' 9" and a Raised Forecastle 74 feet in length.*

*The Fore peak tank of 40 tons water capacity was tested as required by the Rules and proved satisfactory. The after compartments was filled with water and bulk<sup>d</sup> found tight.*

*The three approved tracings, together with one forging reports are enclosed herewith*

State if one, two, or three decked vessel, or if spar, or running decked; and the lengths of poop, bridge, forecabin, or raised quarter deck. (If double bottom, state particulars on separate form.)

How are the surfaces preserved from oxidation? Inside *Cement + Paint* Outside *Paint*

I am of opinion this Vessel should be Classed *100 A.1*

The amount of the Entry Fee .....£ *2* is received by me, *W.H.*

Special .....£ *11: 12: -* 3/3/ 1885

(to be sent to per margin). Certificate ...

(Travelling Expenses, if any, £ ...)

Committee's Minute

Character assigned

Surveyor to Lloyd's Register of British and Foreign Shipping.

*It is submitted that the vessel on the probable consideration of the Committee to be classed 100 A.1. as recommended 100 A.1. as recommended 100 A.1. as recommended*