

6281
IRON SHIPS.

Rec. 12/16/18

No. 3817 Survey held at Glasgow Date 11th June 1808
 on the "Crown Richmond" Master Gibbs
 Tonnage under tonnage deck 178.11
 Ditto of ~~poop~~ or spar deck 21.41
 Ditto of engine room 13.70
 Total Register tonnage 694.04
 Gross Tonnage
 Built at Glasgow When built 1808 Launched 29th Apr. 1808
 By whom built Messrs. D. Stephen & Sons Owners R. J. Sharp
 Port belonging to Liverpool Destined Voyage Sydney

If Surveyed while Building, Afloat, or in Dry Dock, whilst building and afloat

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. of Decks
(Dimensions of Ship per Register, length 178.2			breadth 29.55 depth 19.1)								

Keel, if bar iron, depth and thickness	Inches in Ship.	Inches required per Rule. for 6000 tons Scale.	Plates in Garboard Strakes, breadth and thickness	Inches. In Ship.	16ths. In Ship.	Inches. required per Rule.	16ths required per Rule.
,, if plate iron, breadth and thickness	17 3/4	7 3/4	30	"	30	"	"
Stem, if bar iron, moulding and thickness	17 3/4	7 3/4	Ditto from Garboard to upper part of Bilges	10	10	10	10
,, if plate iron, breadth and thickness	17 3/4	7 3/4	,, from upper part of Bilge to a perpendicular height from upper side of Keel of 2/3ths the entire depth of Hold	10	10	10	10
Stern-post, if bar iron, moulding and thickness	17 3/4	7 3/4	,, from 2/3ths depth of Hold to lower edge of Sheerstrake	10	10	10	10
,, if plate iron, breadth and thickness	17 3/4	7 3/4	Sheerstrake, breadth and thickness	44	40	30	10
Distance of Frames from moulding edge to moulding edge, all fore and aft	21	21	Butt Straps to outside plating, breadth and thickness	9ms	8 to 10	-	-
Frames, Size of Angle Iron, single and double ..	Inches. In Ship.	Inches. required per Rule. In Ship.	Gunwale Plate or Stringer on ends of Upper Deck Beams, breadth and thickness	31	90	3 1/4	90
,, Reversed Iron, to every frame and every other frame	14 3/4	7 3/4	Angle Iron on ditto	42x32x10	4 1/2	3 1/2	3 1/2
Floors, depth and thickness of Floor Plate at mid line	21	10	Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways	11	90	11	90
,, Ditto ditto at Bilge Keelson	12	10	Diagonal Tie Plates on ditto	90	10	11	8
,, Size of Reversed Angle Iron, and No. 182 at top of Floor Plate	3 3/4	9 3/4	Planksheer, materials and scantlings	10	10	11	10
Beams, Deck (Nº. 1) double Angle Iron, Plate, Tee, or Bulb Iron	1 1/4	7 1/4	Waterway ditto ditto	10	10	11	10
,, double or single Angle Iron, on upper edge	2 1/2	10	Flat of Upper Deck, thickness and material	4 1/2x5 1/2	w Pine	3 1/2	w Pine
,, average space between centres	3 1/2	10	,, how fastened to Beams	10	and	Scam Bolts	Bolts
,, Hold, or Lower Deck (Nº. 1) double Angle, Tee, Plate, or Bulb Iron	1 1/2	7 1/4	Ceiling betwixt Decks and in Hold, thickness and material	3 1/2	Pine	2 1/2	2 1/2
,, double or single Angle Iron on upper edge	3 1/2	10	Clamps or Spirketting ditto	10	10	11	10
,, average space between centres	3 1/2	10	Stringer Plates on ends of Hold or Lower Deck Beams, breadth and thickness	21 1/2	90	18 1/2	90
,, Paddle, sided and moulded, thickness of Plate size of Angle Iron	3 1/2	10	Stringer or Tie Plates fore and aft outside Hatchways, on Hold or Lower Deck Beams	4 1/2x3 1/2	10	4 1/2	3 1/2
,, Engine	10	10	Stringers in Hold	4 1/2x3 1/2	10	4 1/2	3 1/2
Keelson, single or double plate, box, or intercostal	10	10	Flat of Lower Deck, thickness and material	2 1/2x2 1/2	w Pine	-	-
Size of Plates	13 1/2	10	Main piece of Rudder, diameter at head	5 1/2	10	10	10
Size of Angle Irons	4 1/2	10	,, at heel	3	10	3 1/2	3 1/2
Side, single or double plate, box, or intercostal	4 1/2	10	(Can the Rudder be unshipped afloat?)	10	10	10	10
Bilge (No. 1) at each Bilge, single, or double, plate, or box	4 1/2	10	Bulkheads, N° 1 Thickness of	10	10	10	10
Transoms, material (Plate), if none, in what manner compensated for.			,, Height up upper deck				
Knight-heads, and Hawse Timbers			,, how secured to the sides of the ship				
The Frames extend in one length from Middle line to Gunwale			,, size of vertical angle irons 3 1/2 and their distance apart 30 ins				
The reverse angle irons on the floors extend in one length across the middle line from to upper part of Bilges							
,, on the frames							
Keelson, how are the various lengths of plates or angle irons connected?							
Plates, Garboard, double or riveted to keel, double or at upper edge, with rivets (1/2 to 1 1/2 ins.) diameter, averaging (1 1/2 ins.) apart.							
,, Edges from Garboards to upper part of bilge, worked clencher, double or single riveted; with rivets (1/2 in.) diameter, averaging (1 1/2 ins.) apart.							
,, Butts from Keel to turn of bilge, worked carvel with butt straps (10 1/2 to 12 1/2) thick, double or single riveted; with rivets (1/2 in.) diameter, averaging (1 1/2 ins.) apart.							
,, Edges from bilge to sheerstrake, worked carvel with a lining piece (1/2) thick, or clencher, double or single riveted; with rivets (1/2 in.) diameter, averaging (1 1/2 ins.) apart.			Do the butt straps lap over and rivet through the lands of the stake below? Yes				
,, Edges of Sheerstrake, double or single riveted? At upper edge Single to Bulwarks At lower edge Double							
,, Butts from bilge to planksheers, worked carvel with butt straps (10 1/2 to 12 1/2) thick, double or single riveted; with rivets (1/2 in.) diameter, averaging (1 1/2 ins.) apart. Breadth of laps in double riveting (1 1/2 to 2 1/2) in. Breadth of laps in single riveting (1 1/2 to 2 1/2) in.							
Butt Straps of Keelsons, Stringer and Tie Plates, double or single riveted?							
Planksheer, how secured to the plating of the sides							
Waterway, planksheer and to the Beams							
Deck Beams, how secured to the side?							
Hold or Lower Deck ditto							
Paddle			No. of breasthooks				

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

Manufacturer's name or trade mark

We certify that the above is a correct description of the several particulars therein given.

Builder's Signature Al. Stephen Son

Surveyor's Signature B. Darby

IRON 442-0249

Lloyd's Register Foundation

Workmanship. Are the lands or laps of the clenchwork in all cases in breadth at least five and a half times the diameter of the rivets in double riveted edges and butts, and at least three and a quarter times the diameter of the rivets where single rivetting is admitted? *Yes ✓*

Do the edges of the carvel work and of the butts fay 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 ✓*

Do the holes for rivetting plate to frames, butt straps, 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 in corners of Butts*

Her Masts, Bowsprit, Yards, &c., are in *Good ✓* condition, and sufficient in size and length. (If they are of Iron or Steel give the Scantlings 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 rivetting, quality of Materials, and if stamped with Maker's name.)

*A double deck
Sails*
She has SAILS.

CABLES, &c., tested at

		Tested by Mr. K. Read at Tuxton Ap 17 th 1868				One by Mr. K. Read at Tuxton 30 th Ap 1868				
		No. on Chain seen by me.	No. and date on Certificate	Fathoms.	Inches.	Tested to Tons.	No. on Anchor seen by me.	No. and date on Certificate	Weight. Ex. Stock.	Tested to Tons.
Fore Sails,	Chain	4399	4399	270	12	40 ¹ / ₂	Bowers	120	21.3.16	32.5.0.14
Fore Top Sails,	Hempen	448.	440.	75	10		110	3.2.27		
Fore Topmast Stay Sails,	Stream Cable		7.04.1868	75	10		3124	21.2.3	3.2.22.0.0.0	
Main Sails,	Hawser			90	9		Stream	1	10.0.4	10.0.2.0
Main Top Sails,	Towlines			90	7		Kedges	1	9.0.14	
and	Warp			90	5					2.2.4
	All of <i>Good</i> quality.			90	4					2.1.2

Her Standing and Running Rigging *Gallions* *Wire*, *Timber*, *Pump* sufficient in size and *Good* in quality.

She has one 19 ft long Boat and One 22 ft long 8 ft 24 ft Cutters

The present state of the Windlass is *New* Capstan *New* and Rudder *New* Pumps *New* and efficient

Order for Special Survey

DATES of Surveys held

- 1st. On the several parts of the frame, when in place, and before the plating was wrought
- 2nd. On the plating during the progress of rivetting *Built under special survey*
- 3rd. When the beams were in and fastened, and before the decks were laid *from the 30th Dec 1867*
- 4th. When the ship was complete, and before the plating was finally coated *to the 11th June 1868*
- 5th. After the ship was launched

No. *512*
Date *June 1867*

Date while building

Order for Ordinary Survey

as per

Section 18.

State if she has a Spar Deck *No*

Prop *Raised* *2nd* *of* *Forecastle* *Gunwale*

General Remarks,

Fitted with an Intercostal Wash Plate midway between middle line and Bilge Keelson 10 x 50 with two Angle Bars 4¹/₂ x 3¹/₂ x 50. Bilge Keelson strengthened with a Bulk Bar 7¹/₂ x 50 and extended nearly fore and aft. Fins on Hold Beams outside Hatchways formed of double Angle Bars 4¹/₂ x 3¹/₂ x 50. Fitted with a doubling strake of Plating opposite Hold Beam Stranded Plate 10 x 50. Hold Beam Strands 3¹/₂. Butt Straps to Gunwale Plate and Sheerstrake are treble riveted. Main piece of Windlass of Greenheart with through Spindle.

For. Main & Bowsprit of *iron* each of two plates to their. Lands double clench Butts treble and quadruple riveted. Two Angle Bars 3 x 3 x 50.

For and Main Yards of *iron*, each of two plates 9¹/₂ x 5¹/₂ thick, with two Angle Bars 3 x 3 x 50. Lands single clenched, and Butts treble carvel riveted.

In what manner are the surfaces preserved from oxidation? Inside *with Portland Cement and Red Lead*
Ditto ditto Outside *Red Lead Oil and Patent*

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

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

June 1868 Special £ 5 14¹/₂

Certificate (if required) £ 10 10¹/₂

Committee's Minute 12th June 1868

Character assigned *A. 1*

B. Darlin of
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12 June 1868