

IRON SHIPS.

Request for S. S. No. 312

No. 1889 Survey held at Glasgow Date 20th March 1862
 on the Ship City of Bombay Master Robert Odair
 Tonnage Gross Engine Room Register 990 7/8 Built at Glasgow
 When Built 1862 By whom built Messrs Stephen & Son Owners George Smith & Son
 Launched 3rd March
 Port belonging to Glasgow Destined Voyage Calcutta
 Surveyed Afloat or in Dry Dock While Building & 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.	
212			31		6 1/2	21		65 100			
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	Inches in Ship.		Inches required per Rule.			Inches in Ship.		16ths required per Rule.			
	18		18								
Floors, Size of Angle Iron, and No. at bottom of Floor Plate	Inches. In Ship.	Inches. In Ship.	16ths In Ship.	Inches. required per Rule.	Inches. required per Rule.	16ths required per Rule.					
across Ball & Strake for 3/4 ft	5	3	9/16	4 3/4	3	9/16					
Amidships											
depth and thickness of Floor Plate at mid line	22	1/16		21 1/16	1/16						
depth and thickness of Floor Plate at Bilge Keelson	6	1/16		5 1/16							
Size of Reversed Angle Iron, and No. at top of Floor Plate	3 1/2	3	7/16	3 1/4	3	7/16					
Frames, Size of Angle Iron, single or double	5	3	9/16	4 3/4	3	9/16					
Reversed Iron, if to every frame or every other frame	3 1/2	3	7/16	3 1/4	3	7/16					
Beams, Deck (No. 61) double Angle Iron	3	3	9/16	3	3	9/16					
Bulb Iron with double Angle Iron on top	8	9/16		8 9/16							
depth & thickness of plate amidships	8	9/16		8 9/16							
double or single Angle Iron, on lower edge	15										
average space between	3 feet			3 feet							
if wood (No.) sided & moulded											
Hold, or Lower Deck (No. 59)	3	3	9/16	3	3	9/16					
double Angle Iron or Bulb Iron with double Angle Iron on top	8	9/16		8 9/16							
depth & thickness of plate amidships	8	9/16		8 9/16							
double or single Angle Iron, on lower edge	15										
average space between	3 feet			3 feet							
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	5	4 1/2	9/16	5	4 1/2	9/16					
Side or Bilge	15										
Number	5	4 1/2	9/16	5	4 1/2	9/16					
Stem, if bar iron, moulding and thickness	8	3		8	3						
if plate iron, breadth and thickness											
Stern-post, if bar iron, moulding and thickness	7 1/2	3 1/2		8	3						
if plate iron, breadth and thickness											
Keel, if bar iron, depth and thickness	8	3		8	3						
if plate iron, breadth and thickness											
Garboard Plates, thickness	Description of Iron.										
From Garboard to upper part of Bilge							14 1/16		13 1/16		
From upper part of Bilge to Sheerstrakes							12 1/16		12 1/16		
Sheerstrakes							11 1/16		11 1/16		
Breadth & thickness of Butt Straps to outside plating							12 1/16		12 1/16		
Planksheers	Material.										
Gunwale Plate or Stringer on ends of Up. Dk Beams	Mott & 1/16						4	24	7/16		
Angle Iron on ditto	Greenheart						30 to 24	7/16	4 11	9/16	
Waterway	Greenheart						8	7 1/2	4	5 x 4 1/2	9/16
Deck	Yellow Pine						5	3 1/2	3 1/2		
Ceiling in Hold	Mott & 1/16						4	24	7/16	4 11	9/16
Ceiling betwixt Decks	Mott & 1/16						4	24	7/16	4 11	9/16
Beam Clamps											
Shelf											
Stringer Plates on ends of Hold or Lower Dk Beams							24	7/16	24	7/16	
Ceiling between Decks											
Stringer or Tie Plates out- side Hatchways							12	7/16	12	7/16	
Deck Beam Clamps											
Shelf											
Stringers in Hold											
Deck, Lower											
Deck, Upper, how fastened to Beams											

Transoms, material Plate or, if none, in what manner compensated for.
 Knight-heads Double Greenheart Bulkheads, No. Four Thickness of 7/16
 Hawse Timbers British Oak are they free from defects? Yes how secured to the sides of the ship Between double frames
 size of vertical angle iron and their distance apart 3 1/2 x 3 x 7/16 3 1/2
 The Frames or Ribs extend in one length from Keel to Gunwale rivetted through plates with (7/8 in.) rivets, about (4 in.) apart.
 The reverse angle irons on the floors extend in one length across the middle line from Keel to Gunwale rivetted through plates with (7/8 in.) rivets, about (4 in.) apart.
 on the frames Keelson from Keelson to Gunwale rivetted through plates with (7/8 in.) rivets, about (4 in.) apart.
 Keelson, how are the various lengths of plates or angle irons connected? Rivetted on top of floor
 Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets (7/8 in.) diameter averaging (4 3/16 in.) from centre to centre of rivet.
 Edges from Garboards to upper part of bilge, worked carvel with a lining piece (1 1/2 in.) thick, or clencher, double or single rivetted; rivets (7/8 in.) diameter, averaging (3 1/2 ins.) from centre to centre of rivets.
 Butts from Keel to turn of bilge, worked carvel with a lining piece (1 1/2 in.) thick, double or single rivetted; rivets (7/8 in.) diameter, averaging (3 1/2 ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below?
 Edges from bilge to planksheer, worked carvel with a lining piece (1 1/2 in.) thick, double or single rivetted; rivets (7/8 in.) diameter, averaging (3 1/2 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below?
 Butts from bilge to planksheers, worked carvel with a lining piece (1 1/2 in.) thick, or clencher, double or single rivetted; rivets (7/8 in.) diameter averaging (3 1/2 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 Explained by sketch
 Waterway Planksheer and to the Beams if necessary. Bolts to Stringer & side plating
 Side trussing Diagonally breadth and thickness of plates 12 x 7/16 how secured? Rivetted to Angle Iron on Beams
 Deck trussing Diagonally breadth and thickness of plates 12 x 7/16 how secured? Rivetted to Angle Iron on Beams
 Deck Beams, how secured to the side? Welded & rivetted to frames
 Hold or Lower Deck Do
 Paddle Do
 No. of breasthooks 4 crutches 5 how are pointers compensated?
 What description of iron is used for the angle iron and plate iron in the vessel? Angle Iron & Plate Iron

Builder's Signature Stephen & Son
 Outside Plates Stamped, Concett's Rule
 IRON 435-0354

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? By
Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies? By
Do the fillings between the ribs and plates fill in solid with single pieces, or are they in short lengths of various thicknesses? in one length
Do the holes for rivetting plate to frames, lining pieces, or plate to plate, &c., conform well to each other? By few in the rivet holes
well and sufficiently countersunk in the outer plate? By
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 Good condition, and sufficient in size and length.
She has **SAILS.**

CABLES, &c.

ANCHORS, and their weights.

N ^o .			Fathoms.	Inches.		N ^o .	Weight.
<u>Two</u> <u>Complete</u> <u>Suits</u>	Fore Sails,	Chain	300	1 3/4	Bower, <u>Common</u>	1	33-1-15
	Fore Top Sails,	do	60	1 1/2	Stream, <u>do</u>	2	26-0-4
	Fore Topmast Stay Sails,	Hempen Stream Cable	90	10	do	1	25-3-3
	Main Sails,	Hawser	90	8	do	1	8-0-14
	Main Top Sails,	Towlines	90	5 1/2	Kedge, <u>do</u>	1	3-2-4
	and other requisite sail	Warp					
		All of <u>Good</u> quality.					

Her Standing and Running Rigging Complete sufficient in size and Good in quality.
She has 25 x 8 x 3-8 Long Boat and 22 x 6-3 x 2-4 Pinnace 20 x 5-4 x 2-2 Sloop Boat 22 x 6-4 x 2-1/2
The present state of the Windlass is Complete Capstan Complete and Rudder Complete Pumps Very Complete

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. On the several parts of the frame, when in place, and before the plating was wrought Built Under
 - 2nd. On the plating during the progress of rivetting Special Survey
 - 3rd. When the beams were in and fastened, and before the decks were laid
 - 4th. When the ship was complete, and before the plating was finally coated
 - 5th. After the ship was launched

*This vessel has been Built under a Roof in accordance with Act 21
The Starboard Strake is 1/16 Thicker than required by Table C
The Angle Iron on Hold Beam Stringer and the Stringer in Hold
are fastened to Double Reverse Angle Iron on the Frames similar to
the Keelsons. Butt Straps of Sheerstrake are Double Rivetted
Extending from Frame to Frame
Upper Deck is Diagonally Trussed all Fore and Aft and at
the Mast in the Lower Deck
Testing Certificate of Chain Cable produced*

In what manner are the surfaces preserved from oxidation? Red Lead & Patent Grease

I am of opinion this Vessel should be classed 13 A 1

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

Special£ 49 : 11 : :
Certificate (if required)£ 10 : : :
McK

Committee's Minute 28th March 1862

Character assigned 1 for 13 Years

Wm Robertson

Wm. Luke

*She appears eligible for
the highest class of
The Committee are satisfied
with the manner in which
the vessel is managed*
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