3187

Requisition No 262

IRON SHIPS.

Rec 12/6/63

No. 4654 **Survey held at** Port Glasgow **Date** 10th June **18** 63

on the Ship "Merwanjee Framjee" **Master** Charles Pike

Tonnage Gross 1078 78/100 **Engine Room** **Register** **Built at** Port Glasgow

When Built 1863 **By whom built** John Reid & Co **Owners** Samuel Johnston & Co

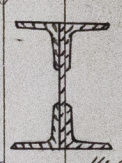
Launched 30th May 1863

Port belonging to Liverpool **Destined Voyage** Clyde to Kurrachee

If Surveyed Afloat or in Dry Dock While building

	Feet.	Inches.		Feet.	Inches.		Feet.	Inches.		Horse No.
Length aloft	202		Extreme Breadth	35		Depth from top of Upper Deck / Beam to top of Floor	22	6	Power of Engines	

	Inches in Ship.			Inches required per Rule.		
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	18			18		
	Inches. In Ship.	Inches. In Ship.	16ths In Ship	Inches. required per Rule.	Inches. required per Rule.	16ths required per Rule.
Floors, Size of Angle Iron, and No. Single at bottom of Floor Plate	5	3	9/16	5	3	9/16
,, depth and thickness of Floor Plate at mid line	22½		11/16	22½		11/16
,, depth and thickness of Floor Plate at Bilge Keelson	6		11/16			11/16
,, Size of Reversed Angle Iron, and No. Single at top of Floor Plate ..	3½	3	9/16	3½	3	9/16
Frames, Size of Angle Iron, single ~~or double~~, ,, ,, Reversed Iron, ~~N~~ to every frame to lower deck and on every alternate frame to Gunwale	5	3	9/16	5	3	9/16
	3½	3	9/16	3½	3	9/16
Beams, Deck (No.) ~~double Angle Iron or~~ Bulb Iron with double Angle Iron on top	3½	3	7/16	3½	3	7/16
,, ,, depth & thickness of plate amidships	8½		9/16	8½		9/16
,, ,, double or single Angle Iron, on lower edge						
,, ,, average space between	3 feet					
,, ,, if wood (No.) sided & moulded						
,, Hold, or Lower Deck (No.) ~~double Angle Iron or~~ Bulb Iron with double Angle Iron on top	3½	3	7/16	3½	3	7/16
,, ,, depth & thickness of plate amidships	9		9/16	8¾		9/16
,, ,, double or single Angle Iron, on lower edge						
,, ,, average space between	3 feet					
,, ,, if wood (No.) sided & moulded						
,, Paddle, wood, sided and moulded or if Iron, size of Plate						
,, Engine ,, ,, ,, ,, ...						
Keelson, plate ~~wood, sided & moulded~~, iron, size of plate, ~~if Box, give sketch & dimensions~~ Double Angle Iron	15		14/16			14/16
	5	4½	9/16	5	4½	9/16
,, Side or Bilge . Double Angle Iron	5	4½	9/16	5	4½	9/16
,, Number ... Five						



	Inches. In Ship.	16ths. In Ship	Inches. required per Rule.	16ths required per Rule.
Stem, if bar iron, moulding and thickness	10×3		8½×3	
,, if plate iron, breadth and thickness				
Stern-post, if bar iron, moulding and thickness	10×3		8½×3	
,, ,, if plate iron, breadth and thickness				
Keel, if bar iron, depth and thickness	10×3		8½×3	
,, if plate iron, breadth and thickness				
Garboard Plates, thickness .. (Description of Iron.)		14/16		14/16
From Garboard to upper part of Bilge		12/16		12/16
From upper part of Bilge to Sheerstrakes		11/16		11/16
Sheerstrakes		12/16		12/16
Breadth & thickness of Butt Straps to outside plating	9	12/16 & 12/16		
Planksheers ..... (Material.)				
Gunwale Plate or Stringer on ends of Up. Dk Beams	36	11/16	25½	11/16
Angle Iron on ditto	5×4½×9/16		5×4½×9/16	
Waterway .... Gutter. Iron				
Deck ..... Yellow Pine	4		4	
Ceiling in Hold ..... Red Pine	2½			
Ceiling betwixt Decks .... Red Pine battens	2½			
Beam Clamps				
,, Shelf				
,, Stringer Plates on ends of Hold or Lower Dk Beams	30	11/16	26½	11/16
Angle Iron	5×4½×9/16		5×4½×9/16	
Ceiling between Decks .... Red Pine battens	2½			
Stringer or Tie Plates outside Hatchways			12⅜	11/16
	13	11/16	13⅛	11/16
Deck Beam Clamps				
,, ,, Shelf				
Stringers in Hold Angle Iron back to back	5×4½×9/16		5×4½×9/16	
Deck, Lower ..... Yellow Pine	4			
Deck, Upper, how fastened to Beams By screw bolts and nuts from above				

Transoms, material Iron or, if none, in what manner compensated for.

Knight-heads ,, Iron
Hawse Timbers ,, Iron
are they free from defects? Yes

Bulkheads, No. Two to upper deck and one amidships to lower deck Thickness of 7/16 7/16
,, how secured to the sides of the ship Between double frames
,, size of vertical angle iron and their distance apart 3½×3×9/16 about 30 inches apart

The Frames or Ribs extend in one length from Keel to Gunwale rivetted through plates with (7/8 in.) rivets, about (7 ins) apart.

The reverse angle irons on the floors extend in one length across the middle line from lower decks to Gunwale alternately
,, ,, and on the frames ,, ,, ,, from to

Keelson, how are the various lengths of plates or angle irons connected? By Angle Iron butt straps

Plates, Garboard, double ~~or single~~ rivetted to keel & at upper edge, with rivets (1¼ & 1 ins.) diameter averaging (4 in.) from centre to centre of rivet.

,, Edges from Garboards to upper part of bilge, worked ~~carvel with a lining piece (in.) thick, or~~ clencher, double ~~or single~~ rivetted; rivets (7/8 in.) diameter, averaging (3½ ins.) from centre to centre of rivets.

,, Butts from Keel to turn of bilge, worked carvel with a lining piece (13/16 in.) thick, double ~~or single~~ rivetted; rivets (7/8 in.) diameter, averaging (3½ ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? No

,, Edges from bilge to planksheer, worked ~~carvel with a lining piece ( ) thick,~~ clencher double ~~or single~~ rivetted; rivets (7/8 in.) diameter, averaging (3½ in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? No

,, Butts from bilge to planksheers, worked carvel with a lining piece (13/16 in.) thick, ~~or clencher,~~ double ~~or single~~ rivetted; rivets (7/8 in.) diameter averaging (3½ ins.) from centre to centre of rivets. Breadth of laps in double rivetting (4½ ins) Breadth of laps in single rivetting ( )

Planksheer, how secured to the plating of the sides
Waterway ,, ,, planksheer and to the Beams
Explain by sketch, if necessary.

Side trussing breadth and thickness of plates how secured?

Deck trussing By plates abaft and ~~aft~~ each side of Hatchways 13×11/16 inch and diagonal plates where practicable

Deck Beams, how secured to the side? Bulb Iron Beam ends [redacted]

Hold or Lower Deck ,, Ditto Ditto

Paddle ,, ,,

No. of breasthooks Five crutches how are pointers compensated?

What description of iron is used for the angle iron and plate iron in the vessel? Blochairn Iron Co

Builder's Signature Jno Reid & Co

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3187 Iron

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? 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? Solid lengths

Do the holes for rivetting plate to frames, lining pieces, 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

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Her Masts, Yards, &c., are in Good condition, and sufficient in size and length. Lower masts and yards and bowsprit of Iron

She has SAILS.		CABLES, &c.	Fathoms.	Inches.	ANCHORS, and their weights.		No.	Weight. cwts. qrs. lbs
	Fore Sails,	Chain Proved to 55 10 tons	300	1 3/4	Bower,	Proved to 31 tons 10 cwts 2 qrs 14 lbs	1	33. 3. 12
		" Stream do 9 5 tons	90	7/8		ditto 31 " 7 " 2 " 7	1	33. 2. 25
	Fore Top Sails,	Hempen Stream Cable	90	10		ditto 31 " 3 " — " 14	1	33. 1. 13
Two Suits of Sails	Fore Topmast Stay Sails,	Hawser	90	9	Stream,	ditto to 13 17/20 tons	1	12. — —
	Main Sails,	Towlines	90	6 1/2				
	Main Top Sails,	Warp	90	5 1/2	Kedge,	ditto to 8 7/20 tons	1	5. 3. —
and		All of Good quality.				ditto to 5 3/5 tons	1	3. — —

Her Standing and Running Rigging (rigging is Wire) Hemp sufficient in size and Good in quality.

She has One Life ~~Long~~ Boat and Four others

The present state of the Windlass (with patent purchase) is Good Capstan Good and Rudder Good Pumps Two Cast metal & Three lead, Good.

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
2nd. On the plating during the progress of rivetting
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

Specially surveyed while building from Nov 1862 to June 1863 in all 28 Visits

This vessel has been built under Special survey as per order No. 262; is fitted with Iron gutter Waterways; and Iron bulwarks, the same being supported with Iron stays or stanchions in lieu of Iron frames running up to form roughtree stanchions. She has also double angle Irons fitted to reverse frames between decks about midway between upper and lower decks 5½ × 4½ × 9/16 inch and extending for 140 feet along on each side amidships

In what manner are the surfaces preserved from oxidation? Inside with Portland cement from Keel to top of bilges and above with Red lead, outside with Red lead, and one coat of Mc Innes's patent composition on bottom.

I am of opinion this Vessel should be classed 12 A1.

The amount of the Fee .....£ 5 : " : " is received by me, H. J. Boulden.

June 1863 Special .....£ 53 : 19 : "

Certificate (if required) .....£ " : " : "

Committee's Minute 16th June 18 63

Character assigned A1 for 12 Years

This Sailing Ship of Iron appears eligible for Classification as recommended if the Committee are satisfied with the Bower anchors

June 12/63

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