

437

3431

# IRON SHIPS.

Requisition No 267

Rec 31/12/63

No. 4729 Survey held at Port Glasgow Date 1<sup>st</sup> Dec. 1863

on the ship "Hindustan" Master Dunlop

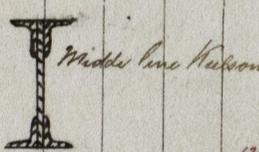
Tonnage Gross 833<sup>21</sup>/<sub>100</sub> Engine Room \_\_\_\_\_ Register \_\_\_\_\_ Built at Port Glasgow

When Built 1863 By whom built John Reid & Co. Owners D & J W Donald Macdonald

Port belonging to Liverpool Destined Voyage Glyde to India

If Surveyed Afloat or in Dry Dock Specially while building

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.
.....	182	7	.....	31	7	.....	20	7	.....	.....
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	Inches in Ship. 18		Inches required per Rule. 21		Stem, $\bar{N}$ bar iron, moulding and thickness		1/2 x 3		1/2 x 2 1/2	
Floors, Size of Angle Iron, and No. <u>single</u> at bottom of Floor Plate	Inches. In Ship. 4 1/2	Inches. In Ship. 3	16ths In Ship. 3/8	Inches. In Ship. 4 1/2	Inches. In Ship. 3	16ths In Ship. 3/8	Stern-post, $\bar{N}$ bar iron, moulding and thickness		3/2 x 3	
.. depth and thickness of Floor Plate at mid line	21 1/2		16ths 1/8	21 3/4		16ths 3/8	.. if plate iron, breadth and thickness		1/2 x 2 3/4	
.. depth and thickness of Floor Plate at Bilge Keelson	6		16ths 1/8	9 1/2		16ths 3/8	Keel, $\bar{N}$ bar iron, depth and thickness		1/2 x 3	
.. Size of Reversed Angle Iron, and No. <u>single</u> at top of Floor Plate	3		3	3/8	3	2 3/4	7/8	Garboard Plates, thickness..		1 3/8
Frames, Size of Angle Iron, single or double	4 1/2		3	3/8	4 1/4	3	3/8	From Garboard to upper part of Bilge		1/8
.. Reversed Iron, <u>to</u> every frame and on every alternate frame	3		3	3/8	3	2 3/4	7/8	From upper part of Bilge to Sheerstrakes		1/8
Beams, Deck (N <sup>o</sup> . <u>double</u> Angle Iron or Bulb Iron with double Angle Iron on top	3		3	3/8	3	3	7/8	Sheerstrakes		1/8
.. depth & thickness of plate amidships	8		3/8	8		3/8	Breadth & thickness of Butt Straps to outside plating		9 1/2	
.. double or single Angle Iron, on lower edge	3 feet		8		8		3/8	Planksheers		Material.
.. average space between	3 feet		8		8		3/8	Gunwale Plate or Stringer on ends of Up. Dk Beams		25
.. if wood (N <sup>o</sup> . <u>sided</u> & moulded	3 feet		8		8		3/8	Angle Iron on ditto		5 x 4 x 7/8
Hold, or Lower Deck (N <sup>o</sup> . <u>double</u> Angle Iron or Bulb Iron with double Angle Iron on top	3		3	3/8	3	3	3/8	Waterway		4
.. depth & thickness of plate amidships	8		3/8	8		3/8	Deck		Yellow Pine	
.. double or single Angle Iron, on lower edge	3 feet		8		8		3/8	Ceiling in Hold		2 1/2
.. average space between	3 feet		8		8		3/8	Ceiling betwixt Decks		7 x 2
.. if wood (N <sup>o</sup> . <u>sided</u> & moulded	3 feet		8		8		3/8	Beam Clamps		.. Shelf
Paddle, wood, sided and moulded or if Iron, size of Plate	3 feet		8		8		3/8	.. Stringer Plates on ends of Hold or Lower Dk Beams		2 1/4
Engine	3 feet		8		8		3/8	Ceiling between Decks		Angle Iron
Keelson, wood, sided & moulded iron, size of plate, if <u>Box</u> , give sketch & dimensions	14 1/2		3/8	14 1/2		3/8	Stringer or Tie Plates outside Hatchways		12 1/2	
.. Side or Bilge .. <u>Double</u> Angle Iron	5		4	3/8	4 3/4	3 3/4	3/8	Deck Beam Clamps		.. Shelf
.. Number .. <u>31</u>	5		4	3/8	4 3/4	3 3/4	3/8	Stringers in Hold		Angle Iron back to back



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

Knight-heads .. Iron Bulkheads, N<sup>o</sup>. Two Thickness of 3/4

Hawse Timbers .. Iron are they free from defects? Yes how secured to the sides of the ship Between double frames

The Frames or Ribs extend in one length from Keel to Gunwale rivetted through plates with ( 7/8 in.) rivets, about ( 7 inches) 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? Angle Iron butt straps

Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets ( 3/8 x 7/8 ins.) diameter averaging ( 4 1/2 ins.) from centre to centre of rivet.

.. Edges from Garboards to upper part of bilge, worked carvel with a lining piece ( 1 in.) thick, or clencher, double or single rivetted; rivets ( 3/8 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 ( 3/8 in.) thick, double or single rivetted; rivets ( 3/8 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? No

.. Edges from bilge to planksheer, worked carvel with a lining piece ( 1 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? No

.. Butts from bilge to planksheers, worked carvel with a lining piece ( 3/8 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 ( 3 )

Planksheer, how secured to the plating of the sides { Explain by sketch, }

Waterway .. .. planksheer and to the Beams { if necessary. }

Side trussing .. breadth and thickness of plates .. how secured?

Deck trussing By plates all fore and aft on each side of Hatchways 12 x 10 inch and diagonal plates where practicable

Deck Beams, how secured to the side? Beam ends turned down

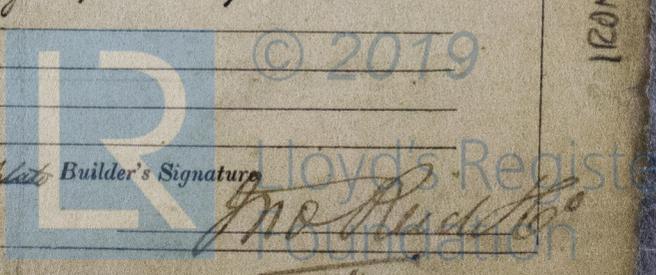
Hold or Lower Deck .. Beam ends turned down

Paddle .. ..

No. of breasthooks Five crutches .. how are pointers compensated? Slagno Iron

What description of iron is used for the angle iron and plate iron in the vessel? Wrought Iron Builder's Signature John Reid & Co. Lloyd's Register

IRON 437-0038



3431 Iron

**Workmanship.** Are the lands or laps of the clenwork 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 lay 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

Her Masts, Yards, &c., are in Good condition, and sufficient in size and length. Now sprit iron, lower yards steel

She has SAILS.		CABLES, &c.		ANCHORS, and their weights.		
N <sup>o</sup> .			Fathoms.	Inches.	N <sup>o</sup> .	Weight.
	Fore Sails,	Chain	300	1 1/2	Bower,	31-24
	Fore Top Sails,	Hempen Stream Cable	90	10	Stream,	30-3-9
	Fore Topmast Stay Sails,	Hawser	90	8	Kedge,	30-1-10
	Main Sails,	Towlines	90	5		
	Main Top Sails,	Warp				
	and	All of <u>Good</u> quality.				

Her Standing and Running Rigging Hemp sufficient in size and Good in quality.

She has One Long Boat and Three others  
 The present state of the Windlass is Good with patent purchase Jure Capstans Three and Rudder with patent Pumps two cast metal patent 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

This vessel has been built under special survey as per Order N<sup>o</sup> 267. She has a plate middle line keelson standing above the floors as per sketch on the other side. She has a full poop and forecabin. The Owners particularly request and are anxious to have this vessel classed A1, instead of 12 A1 as signed for.

In what manner are the surfaces preserved from oxidation? Inside two coats of zinc paint and one coat of red lead, Portland cement all fore and aft between the floors; and outside two coats of zinc paint and one coat of red lead, black paint above water line and one coat of McInnes's composition on bottom

I am of opinion this Vessel should be classed A1.

The amount of the Fee .....£ 5 : 0 : 0 is received by me,

Special .....£ 41 : 13 : 0

\* Certificate (if required) .....£ 0 : 0 : 0

Committee's Minute 1<sup>st</sup> January 1864

Character assigned A

To have the fee  
 Gen Com Min: 14/1/64  
 Mr Mr Reid: 11/1/64

This sailing ship of 2019 tons to be eligible for A1 as recommended to the Committee  
 Dec 31/63  
 Lloyd's Regs Foundation

J. Mearns D. H. of Mr Donalds, 10, Orange Court, Water Lane