

IRON SHIPS.

Compared with the Tables and Table A for 1000, and 1200 Tons
Rev 5/10/63 et

No. 18300 Survey held at Brislington Date October 1st 1863
on the Dido Cuttundership Master Starkey

Tonnage Gross 1056^{6/10} Engine Room Register 1056^{6/10} Built at Brislington
When Built 1863 By whom built Messrs Clegg & Co Owners Messrs Bratt & Co
launched August 29th 1863 Port belonging to Liverpool Destined Voyage Calcutta.

If Surveyed Afloat or in Dry Dock On the Building slips and in dry dock.

Length aloft	Feet. Inches.	Extreme Breadth	Feet. Inches.	Depth from top of Upper Deck	Feet. Inches.	Power of Engines...	Horse No.
				Beam to top of Floor	23 ^{9/10}		
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	21		21				
Floors, Size of Angle Iron, and No. 1 at bottom of Floor Plate	5	3 ^{9/10}	5	3 ^{9/10}			
" depth and thickness of Floor Plate at mid line	23	x	23	x			
" depth and thickness of Floor Plate at Bilge Keelson	3	x	5	x			
" Size of Reversed Angle Iron, and No. one at top of Floor Plate	3 ^{1/2}	3	3 ^{1/2}	3	3 ^{1/2}		
Frames, Size of Angle Iron, single or double	5	3 ^{9/10}	5	3 ^{9/10}			
" Reversed Iron, to every frame or every other frame to girders	3 ^{1/2}	3	3 ^{1/2}	3	8 ^{1/2}		
Beams, Deck (N°) double Angle Iron at alternate or Bulb Iron with double Angle Iron on top	8	x	8 ^{1/2}	x	9 ^{1/2}		
" depth & thickness of plate amidships	3 ^{1/2}	3	3 ^{1/2}	3	7 ^{1/2}		
" double single Angle Iron, on lower edge	8	x	8 ^{1/2}	x	9 ^{1/2}		
" average space between	42		42				
" if wood (N°) sided & moulded	—	—	—	—			
Hold, or Lower Deck (N°) double Angle Iron or Bulb Iron frames with double Angle Iron on top	3 ^{1/2}	3	8 ^{1/2}	3 ^{1/2}	3 ^{1/2}		
" depth & thickness of plate amidships	8	x	8 ^{1/2}	8	x		
" double or single Angle Iron, on lower edge	10	x	9 ^{1/2}	in way of main hatch only			
" average space between	42		42				
" if wood (N°) sided & moulded	—	—	—	—			
Paddle, wood, sided and moulded or if Iron, size of Plate	—	—	—	—			
Engine	18 ^{1/2}	x	18 ^{1/2}				
Keelson, wood, sided & moulded, iron, size of plate, if Box, give sketch & dimensions	18 ^{1/2}	x	18 ^{1/2}	Side plates 16 ^{1/2} x 7 ^{1/2}			
Side or Bilge	5	4 ^{1/2}	3 ^{9/10}	5	4 ^{1/2}		
Number of angle irons and plate	5	4 ^{1/2}	3 ^{9/10}	5	4 ^{1/2}		
Transoms, material or, if none, in what manner compensated for.	Iron plates and frames						
Knight-heads	Iron plates		Bulkheads, N° Two Thickness of 8 ^{1/2} 8 ^{1/2} , fore one to height of upper deck are they free from defects? Yes how secured to the sides of the ship? Double frame and back to bulkhead				
Hawse Timbers	Iron plates		size of vertical angle iron and their distance apart 4 x 3 x 7 ^{1/2} at 2 ^{1/2} 6				

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

The reverse angle irons on the floors extend in one length across the middle line from Bilge to Bilge (upper part) from thence to gunwale.

" " " on the frames " " " from Inter-coat to Inter-coat to Inter-coat walls on floors and up to hold beam stringer

Keelson, how are the various lengths of plates or angle irons connected? By Batt struts and the angle irons shod.

Plates, Garboard, double or single riveted to keel & at upper edge, with rivets (4^{1/2} ins.) diameter averaging (3^{1/2} in.) from centre to centre of rivets.

" Edges from Garboards to upper part of bilge, worked carvel with a lining piece () in. thick, or clencher, double or single riveted; 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 (7/8) thick, double or single riveted; 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 stake below? In flat of bottom only

" Edges from bilge to planksheer, worked carvel with a lining piece () thick, double or single riveted; 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 stake below?

" Butts from bilge to planksheers, worked carvel with a lining piece (7/8) thick, or clencher, double or single riveted; rivets (7/8 in.) diameter, averaging (3^{1/2} ins.) from centre to centre of rivets. Breadth of laps in double rivetting (5) Breadth of laps in single rivetting ()

Planksheer, how secured to the plating of the sides Explain by sketch, See Sketch on the other side.

Waterway " planksheer and to the Beams if necessary.

Side trussing breadth and thickness of plates how secured? None.

Deck trussing " 3 pairs of diagonal ties on each deck 12 x 7^{1/2} in way of decks

Deck Beams, how secured to the side? By three plates forged out of the Bulk iron Beams

Hold or Lower Deck " 10^{1/2} 10^{1/2} 10^{1/2}

Paddle " "

No. of breasthooks crutches how are pointers compensated? In all cases the fore & main stay are connected at the Breasthook

What description of iron is used for the angle iron and plate iron in the vessel? Gunmetal and Malleable Iron Works

Builder's Signature George R Colver Esq

2019 Foundation IRON 436-0470

3324 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 riveted

edges and butts, and at least three times the diameter of the rivets where single riveting 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? Generally very well.

Do the fillings between the ribs and plates fill in solid with single pieces, or are they in short lengths of various thicknesses? Solid.

Do the holes for rivetting plate to frames, lining pieces, or plate to plate, &c., conform well to each other? Generally very good 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? Vessel Charnowetted in butts and edges therefore hardly any to be found in butts, and none

Her Masts, Yards, &c., are in good condition, and sufficient in size and length.

She has SAILS.

N°.

Fore Sails,
Fore Top Sails,
Fore Topmast Stay Sails,
Main Sails,
Main Top Sails,

and

CABLES, &c.

Private Test
Chain
Hemp Stream Cable
Hawser
Towlines
Warp

Fathoms.

Inches.

300 1 3/4
90 1
90 11
90 9
90 8
All of good quality.

ANCHORS, and their weights.

Mod's plate from Stock, and private Test	30 tons	N°.	Weight.
Bower,	29 "	1	32 " 0 "
"	29 "	1	32 " 0 "
Stream, Mod's plate	1 " 9 " 3 "	1	9 " 3 "
Kedge,	n - -	1	5 - 1
		1	2 - 5

Her Standing and Running Rigging of Hemp & wire sufficient in size and good in quality.

She has One Long Boat and 3 Others

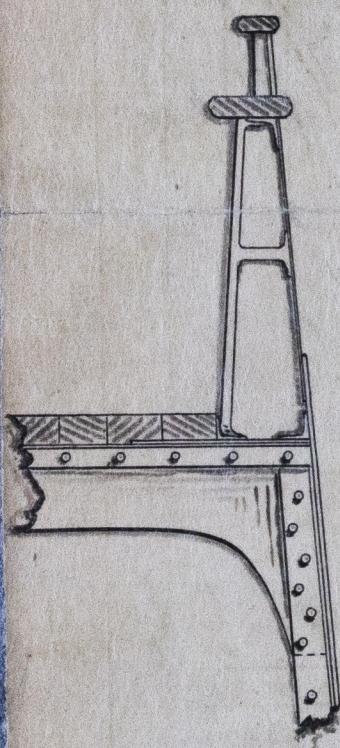
The present state of the Windlass is good. Capstan good and Rudder good. Pumps good of iron 4 in Main Hold and one in fore compartment.

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 Under special survey the whole of the time from
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
Buildings Feb 20th 1863
March 18th 1863

This vessel has a flush deck, with houses forecastle and house on deck. The space of frames 21th as allowed for Committee Letter bearing date Feb 20th 1863. In other respects it has been compared with the Rules and table of the 17th Ap^l 1862. She is well built and in my opinion eligible for the class recommended.

J. G. Wright



In what manner are the surfaces preserved from oxidation?

By paint, and by Portland Cement in the hold

I am of opinion this Vessel should be classed

+12 A1

The Owners have expressed a wish to have vessel classed +A1. I therefore recommend her for the same.

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

Special £ 17: 11/10/62

Certificate (if required) £ 10/10/62

I concur in the above recommendation
5 Oct 1863 J. G. Wright
Lloyd's Register
Founded 1760 No. 110

Committee's Minute

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Character assigned

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2019
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