

IRON SHIPS.

Rev 23/11/64

No. 19069 Survey held at Liverpool Date Oct 13/63 to Nov 17 1864
 in the Ship "Allahabad" Master Robert Baillie
 under main deck
 Tonnage Gross 1092 5/16 Engine 82 5/16 Register 1185 8/16 Built at Liverpool
 When Built 1864 Launched Sept 19 By whom built W & F Potter & Co
 Owners W & F Potter & Co Port belonging to Liverpool Destined Voyage Balcutta
 Surveyed Afloat or in Dry Dock Afloat & in Queen's Graving Dock

Length aloft	Feet.	Inches.	Extreme Breadth	Feet.	Inches.	Depth from top of Upper Deck	Feet.	Inches.	Beam to top of Floor	Feet.	Inches.	Power of Engines	Horse.
205	6		34	8		22	6						
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	24		24										
Floors, Size of Angle Iron, and No. at bottom of Floor Plate	5	3 1/2	9/16	5	3	9/16							
depth and thickness of Floor Plate at mid line	24	ends	11/16	24	ends	10/16							
depth and thickness of Floor Plate at Bilge Keelson	12	48	11/16	48	11/16								
Size of Reversed Angle Iron, and No. at top of Floor Plate	3 1/2	3	8/16	3 1/2	3	8/16							
Frames, Size of Angle Iron, single or double	5	3 1/2	9/16	5	3	9/16							
Reversed Iron, if to every frame or every frame	3 1/2	3	8/16	3 1/2	3	8/16							
Beams, Deck (No. —) double Angle Iron, alternate Plate, or Bulb Iron	8 1/2	—	9/16	8 1/2	—	8/16							
double or single Angle Iron, on top edge	3 1/2	3	7/16	3 1/2	3	7/16							
average space between	48	—	48	—	—	—							
if wood (No. —) sided & moulded	—	—	—	—	—	—							
Hold, or Lower Deck (No. —) alternate double Angle Iron, Plate, or Bulb Iron	8 1/2	—	9/16	8 1/2	—	8/16							
double or single Angle Iron, on top edge	3 1/2	3	7/16	3 1/2	3	7/16							
average space between	48	—	48	—	—	—							
if wood (No. —) sided & moulded	—	—	—	—	—	—							
Riddle, wood, sided and moulded, or if Iron, size of Plate	—	—	—	—	—	—							
Engine	—	—	—	—	—	—							
Keelson, single plate, box, or intersostal	as per sketch												
Size of Plates	40	—	11/16	38 1/2	—	10/16							
Size of Angle Irons	5 1/2	4 1/2	9/16	5	4 1/2	9/16							
Ditto Bilge (No. one) double angle iron	5 1/2	4 1/2	9/16	5	4 1/2	9/16							
Interostal Plate 11/16 - angle iron	5 1/2	4 1/2	9/16	5	4 1/2	9/16							
Transoms, material iron or, if none, in what manner compensated for	—												
Knight-heads, and Hawse Timbers	Plates & Angle iron												
The Frames or Ribs extend in one length from	Keel to Gunwale												
The reverse angle irons on the floors extend in one length across the middle line	from bilge stringer to Gunwale - alternate												
on the frames	from the middle line to lower deck stringer angle iron - alternate												
Keelson, how are the various lengths of plates or angle irons connected?	By covering pieces & the butts well shifted												
Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets (1/4 x 1 ins.) diameter averaging (5 3/4 in.) from centre to centre of rivet	—												
Edges from Garboards to upper part of bilge, worked carvel with a lining piece (1/16 in.) thick, or clencher, double or single rivetted; rivets (7/8 in.) diameter, averaging (3 1/4 ins.) from centre to centre of rivets	—												
Butts from Keel to turn of bilge, worked carvel with a lining piece (1/16 in.) thick, double or single rivetted; rivets (7/8 in.) diameter, averaging (3 1/4 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 sheerstrake, worked carvel with a lining piece (1/16 in.) thick, or clencher, double or single rivetted; rivets (7/8 in.) diameter, averaging (3 1/4 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below?	No												
Edge of Sheerstrake, double or single rivetted?	Double & butts treble												
Butts from bilge to planksheers, worked carvel with a lining piece (1/16 in.) thick, double or single rivetted; rivets (7/8 in.) diameter averaging (3 1/4 ins.) from centre to centre of rivets. Breadth of laps in double rivetting (4 1/2) Breadth of laps in single rivetting (—)	—												
Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted?	Double												
Planksheer, how secured to the plating of the sides	Explain by sketch												
Waterway	if necessary.												
Deck Beams, how secured to the side?	By welded knee pieces 25 long & rivetted to frames												
Hold or Lower Deck	Do												
Paddle	—												
No. of breasthooks	crutches												
What description of iron is used for the angle iron and plate iron in the vessel?	Middlesbrough & Bowsett & Co												

383 g 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 rive 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? single pieces

Do the holes for rivetting plate to frames, lining pieces, or plate to plate, &c., conform well to each other? generally so 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? No

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

She has SAILS.		CABLES, &c.		Common ANCHORS, and their weights.		
N ^o .			Fathoms.	Inches.	N ^o .	Weight.
Two shut-complete and	Fore Sails,	Mersey dock board Chain <u>test produced = 59-0-0</u> <i>cut by No 1 & 26.</i>	300	1 13/16	Bower, <u>test produced = 130-12-0</u>	32-2-16 6-2-16 39-1-4
	Fore Top Sails,	Stream Cable	50	1	Bower, Mersey test <u>70s</u>	32-2-20 6-2-8
	Fore Topmast Stay Sails,	Hawser	90	11	Stream, <u>produced = 130-12-3</u>	39-1-0
	Main Sails,	Towlines	90	9	Bower, Mersey test <u>125-14-0</u>	26-4-12 3-1-20
	Main Top Sails,	Warp	90	5 1/2	Stream	37-2-4
		All of <u>best</u> quality.			Kedge,	15-2-14 6-2-8
				Wedge	3-1-6	

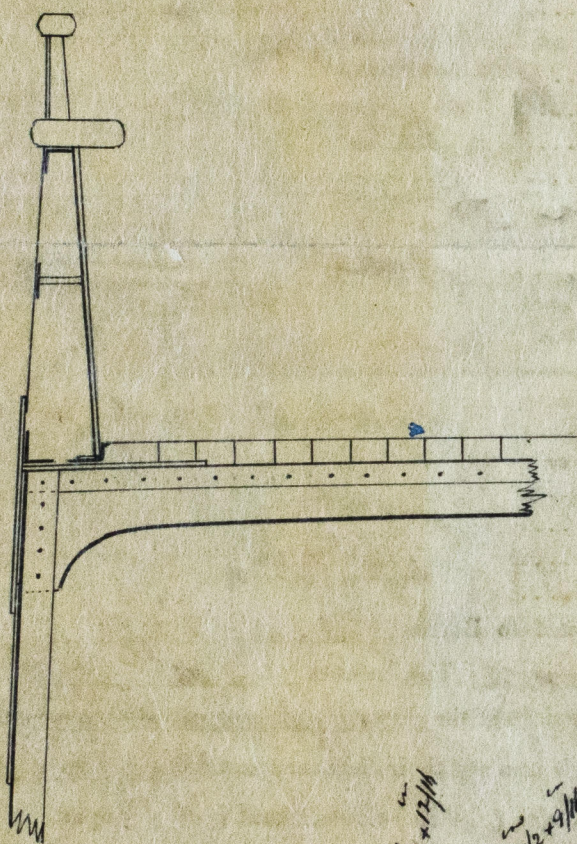
Her Standing and Running Rigging wire & hemp sufficient in size and good in quality.

She has one Long Boat and

The present state of the Windlass is good Capstan good and Rudder good Pumps Main 7th dia (Patent) & pump in fore compartment

General Remarks, Statement and Date of Repairs, extent of corrosion (if any) both internally and externally, and condition of rivets.

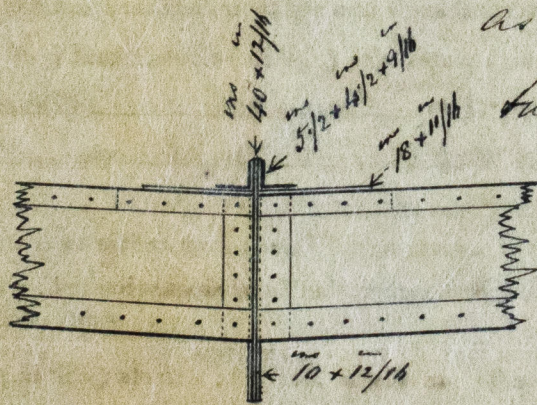
- 1st. On the several parts of the frame, when in place, and before the plating was wrought During the whole
- 2nd. On the plating during the progress of rivetting
- 3rd. When the beams were in and fastened, and before the decks were laid time of building &
- 4th. When the ship was complete, and before the plating was finally coated while fitting out.
- 5th. After the ship was launched



Has a full Poop 52 feet long, Beams for sides of Built iron 7 1/2 x 11/16 with two Angle irons 3 1/2 x 2 1/2 x 5/16 on top edge, Stringer Plates 22 x 9/16, Deck ties 9 x 9/16, Outside plating 6/16 & double rivetted, Deck 4/16 one 3 thick.

Also a full Forecastle 28 ft long, the Beams, Stringer plates, ties, outside plating & deck all same as Poop. A deck house 27 x 14 fitted aft-side of Foremast

Foremast 84 x 30 (Iron) Plates 6/16 & 5/16 having 4 Angle irons 4 x 3 x 1/2, single rivetted in seams & double in butts, Mainmast 85.8 x 30 (Iron). Mizenmast 75.3 x 24 (Iron) plates, single irons & rivetting same as Foremast. Bowsprit 30 dia plates &c same as foremast



but triple rivetted in the butts. Fore, Main, Crossjack & Fore & Main top sail yards all of Steel, Plates 4/16 at Hinges & 2/16 at Arms having 3 Angle irons 3 x 2 1/2 x 1/4, single rivetted in seams & triple in butts.

Is well built throughout.

In what manner are the surfaces preserved from oxidation? Portland Cement in flat of bottom & red Lead through

I am of opinion this Vessel should be classed A1

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

Nov 1884 Special £ 59 : 6 : : 19/11/84

Certificate (if required) £ Gratis

Committee's Minute Sped, 22nd November 1884

Character assigned A1 - Built under Special Survey

(A+C.2.)

GH

E. Wheeler



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Foundation