

Report No. 4449

IRON SHIP.

No. _____ Survey held at Hull Date, First Survey 26th feby Last Survey 9th March 1876On the Screw Steamer "Baron Hambro" Yard Number _____ Master Laverick

TONNAGE under } 526.45
Tonnage Deck }
Ditto of Third, Spar, }
or Awning Deck. }
Ditto of Deck } 29.91
Raised Cr. Dk. }
Ditto of Houses }
on Deck } 14.43
Ditto of Forecastle }
Gross Tonnage } 574.09
Less Crew Space } 28.10
Less Engine Room } 104.30
Register Tonnage } 438.69
as cut on Beam }

ONE, OR TWO DECKED, THREE DECKED VESSEL.
SPAR, OR AWNING-DECKED VESSEL.
HALF BREADTH (moulded) 12.6
DEPTH from upper part of Keel to top of Upper Deck Beams 16.7
GIRTH of Half Midship Frame (as per Rule) 25.11
1st NUMBER 55.
1st NUMBER, if a THREE-DECKED VESSEL
deduct 7 feet
LENGTH 209
2nd NUMBER 14495
PROPORTIONS—Breadths to Length 8
Depths to Length—Upper Deck to Keel
Main Deck ditto 12 1/2

Built at Deptford
When built 1861 Launched Jan'y 28th
By whom built Chas. Langley
Owners W. Sulley & Co
Port belonging to Hull
Destined Voyage _____
If Surveyed while Building, Afloat, or in Dry Dock.

LENGTH on deck as per Rule ... 209 Feet. Inches. BREADTH—Moulded ... 25 Feet. Inches. DEPTH top of Floors to Upper Deck Beams ... 15 Feet. Inches. Power of Engines ... Horse. N° of Decks with flat laid one N° of Tiers of Beams two

Dimensions of Ship per Register, length, 209 breadth, 25.2 depth, 14.55

KEEL, depth and thickness 3 plates 4 1/2 x 7 1/2 Inches in Ship. 4 x 2 3/4 Inches per Rule. 7 1/2 x 2 1/4
STEM, moulding and thickness 3 plates 4 1/2 4 x 2 3/4 7 x 2 1/4
STERN-POST for Rudder do. do. 4 x 5 7 x 4 1/2
for Propeller 8 x 5
Distance of Frames from moulding edge to moulding edge, all fore and aft 18 inches 22 inches (Class 90 A)
FRAMES, Angle Iron, for 1/2 length amidships ... 4 3 6 1/2 3 6 1/2
Do. for 1/4 at each end ... 2 3/4 2 3/4 6 1/2 3 2 1/2 5 1/6
REVERSED FRAMES, Angle Iron ... 2 3/4 2 3/4 6 1/2 3 2 1/2 5 1/6
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships ... 19 x 4 1/2 15 1/2 x 7 1/6 6 1/6
thickness at the ends of vessel ... 4 1/2 7 1/6
depth at 3/4 the half-bdth. as per Rule ...
height extended at the Bilges ...
BEAMS, Upper, Spar, or Awning Deck }
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron }
Single or double Angle Iron on Upper edge ...
Average space ...
BEAMS, Main or Middle Deck ... 4 x 8 1/6 6 x 6 1/6
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron }
Single or double Angle Iron on Upper Edge ... 2 1/2 2 1/2 5 1/6 2 1/2 2 1/2 5 1/6
Average space ... 3 feet 3 ft 8 inches
BEAMS, Lower Deck, Hold on Orlop }
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron }
Single or double Angle Iron on Upper Edge ... 2 1/2 2 1/2 5 1/6 6 x 6 1/6
Average space ... 3 ft 6 in. alt. where practicable
KEELSONS Centre line, single or double plate, box, or Intercoastal, Plates ... 26 x 8 1/6 23 x 9 1/6
Rider Plate flat plate on floors ... 26 x 8 1/6 24 x 8 1/6
Bulb Plate to Intercoastal Keelson ... 3 1/2 3 1/2 6 1/6 4 1/2 3 7 1/6
Angle Irons ...
Double Angle Iron Side Keelson ...
Side Intercoastal Plate ...
do. Angle Irons ...
Attached to outside plating with angle iron ...
BILGE Angle Irons ... 3 1/2 3 1/2 6 1/6 4 1/2 3 7 1/6
do. Bulb Iron ... 6 x 6 1/6
do. Intercoastal plates riveted to plating for length ...
BILGE STRINGER Angle Irons ... 4 1/2 3 7 1/6
Intercoastal plates riveted to plating for length ...
SIDE STRINGER Angle Irons ...

Flat Keel Plates, breadth and thickness ...
PLATES in Garboard Strakes, breadth and thickness from Garboard to upper part of Bilges of doubling at Bilge, or increased thickness, and length applied ...
fin up part of Bilge to l. edge of Sh'rstrake
Main Sheerstrake, breadth and thickness of d'bling at Sh'rstrake, & length applied from Mn. to Up. or Spar Dk. Sh'rstrake.
Up. or Spar Dk Sh'rstrake, breadth and thickness
Butt Straps to outside plating, breadth & thickness from frame to frame
Lengths of Plating ...
Shifts of Plating, and Stringers ...
Gunwale Plate on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness ...
Angle Iron on ditto ...
Tie Plates fore and aft, outside Hatchways ...
Diagonal Tie Plates on Beams No. of Pairs, Planksheer material and scantling ...
Waterways do. do. ...
Flat of Upper Deck do. do. ...
How fastened to Beams ...
Stringer Plate on ends of Main or Middle Deck }
Beams, breadth and thickness for 108 ft ... }
Is the Stringer Plate attached to the outside plating? ...
Angle Irons on ditto, No. 3 1/2 x 3 1/2 3 x 3 x 4 1/2 4 1/2 x 3 x 7 1/6
Tie Plates, outside Hatchways ... 9 9 1/6 10 8 1/6
Diagonal Tie Plates on Beams, No. of pairs ... 9 8 1/6 10 8 1/6
Waterways materials and scantlings ...
Flat of Middle Deck do. do. ...
How fastened to Beams ...
Stringer Plates on ends of Lower Deck, Hold or Orlop Beams ... 20 4 1/6 25 7 1/6 19 6 1/6
Is the Stringer Plate attached to the outside plating? No. 3 1/2 x 3 1/2 x 7 1/6
Angle Irons on ditto, No. ...
Stringer or Tie Plates, outside Hatchways ...
Flat of Lower Deck ...
Ceiling betwixt Decks, thickness and material in hold do. do. ...
Main piece of Rudder, diameter at head ... do. at heel ...
Can the Rudder be unshipped afloat? ...
Bulkheads No. Thickness of ...
Height up ...
How secured to sides of ship ...
Size of Vertical Angle Irons ... and distance apart ... ins.
Are the outside Plates doubled two spaces of Frames in length? ...

Transoms, material. Knight-heads. Hawse Timbers.

Windlass Pall Bitt

The FRAMES extend in one length from _____ to _____ Riveted through plates with _____ in. Rivets, about _____ apart.

The REVERSED ANGLE IRONS on floors and frames extend from middle line to above Hold Beam Stringer and to gunwale alternatelyKEELSONS. Are the various lengths of Plates and Angle Irons properly connected? And butts properly shifted? forward raft on every frame to gunwale

PLATING. Garboard, double riveted to Keel, with rivets _____ in. diameter, averaging _____ ins. from centre to centre.

Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets _____ in. diameter, averaging _____ ins. from centre to centre.

Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets _____ in. diameter averaging _____ ins. from centre to centre.

Butts of _____ Strakes at Bilge for _____ length, treble riveted with Butt Straps _____ thicker than the plates they connect.

Edges from bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets _____ in. diameter, averaging _____ ins. from cr. to cr.

Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets _____ in. diameter, averaging _____ ins. from cr. to cr.

Edges of Main Sheerstrake, double or single riveted.

Upper Sheerstrake, double or single riveted.

Butts of Main Sheerstrake, treble riveted for _____ length amidships. Butts of Upper or Spar Sheerstrake, treble riveted _____ length amidships.

Butts of Main Stringer Plate, treble riveted for _____ length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for _____ length.

Breadth of laps of plating in double riveting _____ Breadth of laps of plating in single riveting _____

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? _____

Waterway, how secured to Beams _____ (Explain by Sketch, if necessary.)

Beams of the various Decks, how secured to the sides? _____ No. of Breasthooks, _____ Crutches, _____

What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? _____

Manufacturer's name or trade mark, _____

The above is a correct description.

Builder's Signature, _____

Surveyor's Signature, _____

Workmanship. Are the butts of plating planed or otherwise fitted? 16106 Iron

Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies? _____

Are the fillings between the ribs and plates solid single pieces? _____

Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? _____

Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? _____

Do any rivets break into or through the seams or butts of the plating? _____

Masts, Bowsprit, Yards, &c., are _____ in _____ condition, and sufficient in size and length. *If of Iron or Steel give Scantlings of Plating, Angle Irons, &c., and further explain by a Sketch showing how the lower Masts and Bowsprit are constructed, showing the number of Plates and Angle Irons, mode of riveting, quality of Materials, and if stamped with Maker's name.*

State also Length and Diameter of Lower Masts and Bowsprit _____

NUMBER for EQUIPMENT

N ^o .	SAILS.	CABLES, &c.	Fathoms.	Inches.	Test per Certificate.	Length & Size req'd per Rule.	Test req'd per Rule.	ANCHORS, &c.	N ^o .	Weight. Ex. Stock.	Test per Certificate.	Weight req'd per Rule.	Test req'd per Rule.
	Fore Sails,	Chain <small>(State Machine where Tested, Date, & name of Superintendent.)</small>						Bowers ...					
	Fore Top Sails,							<small>(State Machine where Tested, Date, and name of Superintendent.)</small>					
	Fore Topmast Stay Sails	Hmpn Strm Cbl											
	Main Sails,	Hawser						Stream ...					
	Main Top Sails,	Towlines ...											
	and	Warp						Kedges ...					
		quality _____											

Standing and Running Rigging _____ sufficient in size and _____ in quality. She has _____ Long Boat and _____

The Windlass is _____ Capstan _____ and Rudder _____ Pumps _____

Engine Room Skylights.—How constructed? _____ How secured in ordinary weather? _____

What arrangements for deadlights in bad weather? _____

Coal Bunker Openings.—How constructed? _____ How are lids secured? _____ Height above deck? _____

Scuppers, &c.—What arrangements for clearing upper deck of water, in case of shipping a sea? _____

Cargo Hatchways.—How formed? _____

State size **Main Hatch** _____ Forehatch _____ Quarterhatch _____

If of extraordinary size, state how framed and secured? _____

What arrangement for shifting beams? _____

Hatches, If strong and efficient? _____

Order for Special Survey No. _____

Date _____

Order for Ordinary Survey No. _____

Date _____

No. _____ in builder's yard.

DATES of Surveys held while building as per Section 18.

- 1st. On the several parts of the frame, when in place, and before the plating was wrought
- 2nd. On the plating during the process of riveting
- 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 or cemented..
- 5th. After the ship was launched and equipped

General Remarks, (State quality of workmanship &c.) _____

State if one, two or three decked vessel, or if spar or awning decked, and lengths of poop, forecastle or raised quarter deck, or of double or part double bottom.

How are the surfaces preserved from oxidation? Inside _____ Outside _____

I am of opinion this Vessel should be Classed _____

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

Special ... £ : : 187

Certificate ... : :

(Travelling Expenses)

(if any) £ _____

Committee's Minute _____ 187

Character assigned _____



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