

IRON SHIP.

No. 24790 Survey held at Liverpool Date, First Survey 28 November 84 Last Survey 30 September 1875
On the Ship Cross Hill Yard Number 114 Master Butter

TONNAGE under
Tonnage Deck } 961.14
Ditto of Third, Spar,
or Awning Deck. }
Ditto of Poop, 63.25
Raised Or. Dk. }
Ditto of Houses }
on Deck... } 16.35
Ditto of Forecastle } 33.16
Gross Tonnage } 1069.44
Less Crew Space } 50.58

Less Engine Room
Register Tonnage
as cut on Beam } 1018.86

ONE OR TWO DECKED, THREE DECKED VESSEL.
SPAR, OR AWNING-DECKED VESSEL
HALF BREADTH (moulded)... .. 17.0
DEPTH from upper part of Keel to top of Upper Deck Beams 23.41
GIRTH of Half Midship Frame (as per Rule) 35.3
1st NUMBER 75.71
1st NUMBER, if a THREE-DECKED VESSEL
deduct 7 feet
LENGTH 204.2
2nd NUMBER 15459.9
PROPORTIONS—Breadths to Length Between 64 7
Depths to Length—Upper Deck to Keel 84 9
Main Deck ditto

Built at Seacombe, Liverpool
When built 1875 Launched 6th July
By whom built Bowdler Chaffin & Co
Owners Hayton & Simpson
Port belonging to Liverpool
Destined Voyage Sydney
If Surveyed while Building, Afloat, or in Dry Dock.
While Building & Fitting out for sea

LENGTH	Feet.	Inches.	BREADTH	Feet.	Inches.	DEPTH	Feet.	Inches.	Power of	Horse.	N ^o . of Decks with flat laid	N ^o . of Tiers of Beams
on deck as	204	2	Moulded...	34	0	top of Floors to Upper	21	3	Engines	—	Two	Two
per Rule	204	2		34	0	Deck Beams						
						Do. do. Main Deck Beams						

Dimensions of Ship per Register, length, 214.3/8 breadth, 34 1/10 depth, 21.

	Inches in Ship.	Inches per Rule.	Inches in Ship.	Inches per Rule.	Inches in Ship.	Inches per Rule.	Inches in Ship.	Inches per Rule.
KEEL, depth and thickness	8 x 2 3/8	8 x 2 3/8	7 1/2 x 2 3/8	7 1/2 x 2 3/8	7 1/2 x 2 3/8	7 1/2 x 2 3/8	7 1/2 x 2 3/8	7 1/2 x 2 3/8
STEM, moulding and thickness	7 1/2 x 2 3/8	7 1/2 x 2 3/8	7 1/2 x 2 3/8	7 1/2 x 2 3/8	7 1/2 x 2 3/8	7 1/2 x 2 3/8	7 1/2 x 2 3/8	7 1/2 x 2 3/8
STERN-POST for Rudder do. do.	7 1/2 x 2 3/8	7 1/2 x 2 3/8	7 1/2 x 2 3/8	7 1/2 x 2 3/8	7 1/2 x 2 3/8	7 1/2 x 2 3/8	7 1/2 x 2 3/8	7 1/2 x 2 3/8
for Propeller	—	—	—	—	—	—	—	—
Distance of Frames from moulding edge to moulding edge, all fore and aft	23"	23"	23"	23"	23"	23"	23"	23"
FRAMES, Angle Iron, for 2/3 length amidships	4 1/2	3	8	4 1/2	3	8	4 1/2	3
Do. for 1/3 at each end	—	—	—	—	—	—	—	—
REVERSED FRAMES, Angle Iron	3	3	7	3	3	7	3	3
FLOORS, depth and thickness of Floor Plate	26 1/2	—	9	23 1/2	—	9	—	—
at mid line for half length amidships	—	—	—	—	—	—	—	—
thickness at the ends of vessel	—	—	—	—	—	—	—	—
depth at 2/3 the half-bdth. as per Rule	13 1/2	—	—	11 3/4	—	—	—	—
height extended at the Bilges	53	—	—	47	—	—	—	—
BEAMS, Upper, Spar, or Awning Deck	8	—	8	8	—	8	—	8
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	—	—	—	—	—	—	—	—
Single or double Angle Iron on Upper edge	3	3	6	3	3	6	3	3
Average space	48	—	—	48	—	—	—	—
BEAMS, Main or Middle Deck	—	—	—	—	—	—	—	—
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	—	—	—	—	—	—	—	—
Single, or double Angle Iron, on Upper Edge	—	—	—	—	—	—	—	—
Average space	—	—	—	—	—	—	—	—
BEAMS, Lower Deck, Hold or Orlop	8	—	8	8	—	8	—	8
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	—	—	—	—	—	—	—	—
Single or double Angle Iron on Upper Edge	3	3	6	3	3	6	3	3
Average space	48	—	—	48	—	—	—	—
KEELSONS Centre line, single or double plate,	15	—	11	14	—	11	—	11
Box, or Intercoastal, Plates	—	—	—	—	—	—	—	—
Rider Plate	8	—	9	8	—	9	—	9
Bulb Plate to Intercoastal Keelson	5	3 1/2	8	5	3 1/2	8	5	3 1/2
Angle Irons	—	—	—	—	—	—	—	—
Double Angle Iron Side Keelson	—	—	—	—	—	—	—	—
Side Intercoastal Plate	5	3 1/2	8	5	3 1/2	8	5	3 1/2
do. Angle Irons	—	—	—	—	—	—	—	—
Attached to outside plating with angle iron	—	—	—	—	—	—	—	—
BILGE Angle Irons	5	3 1/2	8	5	3 1/2	8	5	3 1/2
do. Bulb Iron	—	—	—	—	—	—	—	—
do. Intercoastal plates riveted to plating for length	—	—	—	—	—	—	—	—
BILGE STRINGER Angle Irons	5	3 1/2	8	5	3 1/2	8	5	3 1/2
Intercoastal plates riveted to plating for length	—	—	—	—	—	—	—	—
SIDE STRINGER Angle Irons	—	—	—	—	—	—	—	—
In lieu of plating increased 1/4 in way of these	—	—	—	—	—	—	—	—
Transoms, material. Knight-heads. Hawse Timbers.	Plates and angle iron	—	—	—	—	—	—	—
Windlass. Iron. Harfield's Patent Pall Bitt	Iron	—	—	—	—	—	—	—

The FRAMES extend in one length from Keel to Gunwale Riveted through plates with 7/8 in. Rivets, about 6 1/2 apart.
The REVERSED ANGLE IRONS on floors and frames extend across middle line to Lower deck and to gunwale alternately
KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? Yes And butts properly shifted? Yes
PLATING. Garboard, double riveted to Keel, with rivets 1 1/8 in. diameter, averaging 5 1/4 ins. from centre to centre.

Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 7/8 in. diameter, averaging 3 1/4 ins. from centre to centre.
Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 7/8 in. diameter averaging 3 1/4 ins. from centre to centre.
Butts of Three Strakes at Bilge for Half length, treble riveted with Butt Straps 7/16 thicker than the plates they connect.
Edges from bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 7/8 in. diameter, averaging 3 1/2 ins. from cr. to cr.
Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 7/8 in. diameter, averaging 3 1/4 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 Half length amidships. Butts of Upper or Spar Sheerstrake, treble riveted — length amidships.
Butts of Main Stringer Plate, treble riveted for Half length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for — length.
Breadth of laps of plating in double riveting 4 1/2 Breadth of laps of plating in single riveting —

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? Double & Treble
Waterway, how secured to Beams Iron gutter (Explain by Sketch, if necessary.)
Beams of the various Decks, how secured to the sides? Iron knees riveted to frames No. of Breasthooks, Four Crutches, Three
What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Good quality
Manufacturer's name or trade mark, Hartlepool Iron Coy.

The above is a correct description.

Builder's Signature,

Surveyor's Signature,

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

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

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

Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes 15/60 Iron

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

Do any rivets break into or through the seams or butts of the plating? Very few and only in butts

Masts, Bowsprit, Yards, &c., are Iron & Wood in good 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 As Under

Mast	Length	Dim	Plating	Wood	Size of	No. of	Butt straps fitted outside. Triple riveted
Fore	77'-11"	28	7/16-9/16	2	4x3x3/4	4	at partners and rounds. Remainder of butts
Main	79'-11"	28	7/16-9/16	2	4x3x3/4	4	double riveted. Seams single. Doubling plate at partners
Mizen	72'-8"	25	9/16-5/8	2	4x3x3/4	3	
Bowsprit	39'-2"	26	9/16-5/8	2	4x3x3/4	6	Doubling plate at knight heads. Triple riveted at k. heads

NUMBER for EQUIPMENT 16420

No.	SAILS.	CABLES, &c.	Fathoms.	Inches.	Test per Certificate.	Length & Size req'd per Rule.	Test req'd per Rule.	ANCHORS, &c.	No.	Weight.	Test per Certificate.	Weight req'd per Rule.	Test req'd per Rule.
			135-1/4	13/4	55-2-2-0	270-1/4-55-2							
			135-1/2	13/4	55-2-2-0								

Standing and Running Rigging Wire & Hemp sufficient in size and Good in quality. She has Long Boats and of different sizes

The Windlass is Iron Harfield's Patent Capstan 3 Iron Good and Rudder Good Pumps Iron Main & bilge & one in fore peak

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? 5 Scuppers. 3 Mash ports & 3 large ports a side

Cargo Hatchways. How formed? Iron Cummings. Main H. Cummings 12" high 7/8" thick. Fr & Gr H. Cummings 24" x 7/16".

State size Main Hatch 15' 6" x 10' 6" Fore hatch 7' 8" x 6' 0" Quarter hatch 7' 8" x 6' 0"

If of extraordinary size, state how framed and secured?

What arrangement for shifting beams? One bulb iron beam in main hatch.

Hatches, If strong and efficient? Strong and efficient

Order for Special Survey No. <u>603</u>	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	<u>During the whole course of construction</u> <u>and fitting out for sea</u>
Date <u>31st March 1875</u>		2nd. On the plating during the process of riveting	
Order for Ordinary Survey No.		3rd. When the beams were in and fastened, and before the decks were laid....	
Date		4th. When the ship was complete, and before the plating was finally coated or cemented..	
No. in builder's yard.		5th. After the ship was launched and equipped	

General Remarks,

Yards	Length	Material	Dim	Plating	Angles.	Butts of all Yards lapped. Triple riveted at slings. Remainder double riveted. Seams. single. riveted.
M.L.G.	73'-0"	Iron	18	6-5-4-3	3x3x3/4	
M.L.G.	65'-3"	-	16	6-5-4-3	3x3x3/4	
M.L.G.	60'-6"	-	15	5-4-3	3x2x2/4x3/4	

Remainder of spars, of Pitch, Red pine & Spruce, of sufficient sizes
Is a two decked vessel, with full Forecastle 34 ft long, for crew.
House 20 ft long, fitted between Fore & Main Masts, for Officers
donkey boiler. Galley &c. Full Poop 47 ft long, comprising Saloon &c.

Is well built and thoroughly equipped

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

How are the surfaces preserved from oxidation? Inside Red lead & other paint. Cement in bottom Outside Red lead & other paint

I am of opinion this Vessel should be Classed 100 A 1

The amount of the Entry Fee ... £ 5- - - is received by me,

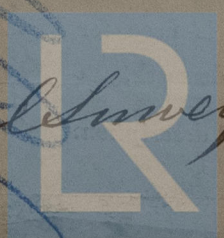
Special ... £ 50-9-6 4/19 1875
Certificate ... Boat

(Travelling Expenses)
(if any) £

Committee's Minute Liverpool, 1875, 5th October 1875.

Character assigned 100 A 1 - Built under Special Survey

Cen-75: 1 A & C. P.



© 2019
Lloyd's Register
Foundation

14990