

IRON SHIP.

21st SEP. 82.

16194

No. 16194 Survey held at North Shields Date, First Survey 30th January Last Survey 5th Sept 1882

NAME under Tonnage Deck 1110.91

to of Main Deck 113.68

to of Poop, or 69.82

to of House, or 4.48

to of Forecastle 12.81

to of Forecastle 30.90

Net Tonnage 1342.60

Gross Tonnage 49.41

Engine Room 1293.19

Water Tonnage 429.63

Water out on Beam 863.56

ONE, OR TWO DECKED, THREE DECKED VESSEL.

SPAR, OR AWNING DECKED VESSEL.

Half Breadth (moulded) 16.9

Depth from upper part of Keel to top of Upper Deck Beams 19.2

Girth of Half Midship Frame (as per Rule) 32.6

1st Number 68.7

1st Number, if a 3-Decked Vessel deduct 7 feet

Length 238.7

2nd Number 16,398.69

Proportions— Breadths to Length 7.06

Depths to Length— Upper Deck to Keel 12.4

Main Deck ditto

Master Boniface

Built at North Shields

When built 1882 Launched 31 July 82

By whom built J. W. Smith

Owners Leighton sons & Co.

Residence 9 Gracechurch St. London E.C.

Port belonging to London

Destined Voyage Genoa

Surveyed while Building, Afloat, or in Dry Dock

LENGTH Feet. 238 Inches. 8 1/2 BREADTH Feet. 33 Inches. 9 1/4 DEPTH top of Floors to Upper Deck Beams Feet. 19 Inches. 5 1/2

Power of Engines 150

No. of Decks with flat laid one

No. of Tiers of Beams two

Dimensions of Ship per Register, length, 240.2 breadth, 34.05 depth, 17.5

	Inches in Ship.	Inches per Rule.		Inches in Ship.	Inches per Rule.
KEEL, depth and thickness	8 1/2 x 2 1/2	8 1/2 x 2 1/2	FLAT KEEL PLATES, breadth and thickness	34	11
BEAM, moulding and thickness	8 x 2 1/2	8 x 2 1/2	PLATES in Garboard Strakes, br'dth & thickness	98 10	11
STERN-POST for Rudder do. do.	8 x 5	8 x 5	From Garboard to upper part of Bilges	108 11	11
" for Propeller	8 x 5	8 x 5	Of d'bling at Bilge, or increased thickness, and length applied	98 10	11
Distance of Frames from moulding edge to moulding edge, all fore and aft	23	23	From up. part of Bilge to l. edge of Sh'rstrake	98 10	11
			Main Sheerstrake, breadth and thickness	34	11
			Of d'bling at Sh'stk. & lng. applied	34	11
FRAMES, Angle Iron, for 1/2 length amidships	4 1/2 x 3	4 1/2 x 3	From M'n. to Up. or Spar Dk. Sh'rstrake	34	11
Do. for 1/4 at each end	4 1/2 x 3	4 1/2 x 3	Up. or Spar Dk Sh'rstrake, br'dth & thicken'ss	34	11
REVERSED FRAMES, Angle Iron	3 x 3	3 x 3	Butt Straps to outside plating, breadth & thickness	19 6 9/4	15 6 8
FLOORS, depth and thickness of Floor Plate	2 1/2 x 8	2 1/2 x 8	Lengths of Plating	6 frame spaces	5 frame spaces
at mid line for half length amidships	2 1/2 x 8	2 1/2 x 8	Shifts of Plating, and Stringers	2 frame spaces	2 1/2
thickness at the ends of vessel	2 1/2 x 8	2 1/2 x 8	Gunwale Plate on ends of Awning Spar, or	34	10
depth at 1/2 the half-bdth. as per Rule	2 1/2 x 8	2 1/2 x 8	Upper Deck Beams, breadth and thickness	34	10
height extended at the Bilges	2 1/2 x 8	2 1/2 x 8	Angle Iron on ditto	5 x 3 1/2 x 9	5 x 3 1/2 x 9
			Tie Plates fore and aft, outside Hatchways	6	6
BEAMS, Upper, Spar, or Awning Deck	5 1/2 x 3	5 1/2 x 3	Diagonal Tie Plates on Beams No. of Pairs	2	2
Angle or d'ble Ang. Iron, Plate or Tee Bulb Iron	5 1/2 x 3	5 1/2 x 3	Flat of Up., Spar, or Awning Dk. Iron (whole)	6	6
Angle or double Angle Iron on Upper edge	23	23	How fastened to Beams	6	6
Average space	23	23	Stringer Plate on ends of Main or Middle Deck	31	9
BEAMS, Main, or Middle Deck	3	3	Beams, breadth and thickness	31	9
Angle or d'ble Ang. Iron, Plate or Tee Bulb Iron	3	3	Is the Stringer Plate attached to the outside plating?	yes	yes
Angle, or double Angle Iron, on Upper Edge	3	3	Angle Irons on ditto, No.	4 x 4 x 8	4 x 4 x 8
Average space	3	3	Tie Plates, outside Hatchways	4 x 4 x 8	4 x 4 x 8
BEAMS, Lower Deck	3	3	Diagonal Tie Plates on Beams, No. of pairs	4 x 4 x 8	4 x 4 x 8
Angle or d'ble Ang. Iron, Plate or Tee Bulb Iron	3	3	Flat of Middle Deck* do. do.	4 x 4 x 8	4 x 4 x 8
Angle or double Angle Iron on Upper Edge	3	3	How fastened to Beams	4 x 4 x 8	4 x 4 x 8
Average space	3	3	Stringer Plates on ends of Lower Deck, Hold or	31	9
BEAMS, Hold, or Orlop	3	3	Beams	31	9
Angle or d'ble Ang. Iron, Plate or Tee Bulb Iron	3	3	Is the Stringer Plate attached to the outside plating?	yes	yes
Angle or double Angle Iron on Upper Edge	3	3	Angle Irons on ditto, No.	4 x 4 x 8	4 x 4 x 8
Average space	3	3	Stringer or Tie Plates, outside Hatchways	4 x 4 x 8	4 x 4 x 8
KEELSONS Centre line, single or double plate,	16 x 12	16 x 12	Flat of Lower Deck*	4 x 4 x 8	4 x 4 x 8
box, or Intercoastal, Plates	11 x 12	10 3/4 x 12			
Rider Plate	11 x 12	10 3/4 x 12			
Bulb Plate to Intercoastal Keelson	5 3/2 x 9	5 3/2 x 9			
Angle Irons	5 3/2 x 9	5 3/2 x 9			
Double Angle Iron Side Keelson	5 3/2 x 9	5 3/2 x 9			
Side Intercoastal Plate	5 3/2 x 9	5 3/2 x 9			
do. Angle Irons	5 3/2 x 9	5 3/2 x 9			
Attached to outside plating with angle iron	3 3 x 7	3 3 x 7			
EDGE Angle Irons	5 3/2 x 9	5 3/2 x 9			
do. Bulb Iron	8 x 8	8 x 8			
do. Intercoastal plates riveted to	2	2			
plating for length	2	2			
EDGE STRINGER Angle Irons	5 3 1/2 x 9	5 3 1/2 x 9			
Intercoastal plates riveted to plating for	3	3			
length	3	3			
EDGE STRINGER Angle Irons	5 3 1/2 x 9	5 3 1/2 x 9			

FRAMES extend in one length from Keel to gunwale Riveted through plates with 3/4 in. Rivets, about 6' apart.

REVERSED ANGLE IRONS on floors and frames extend across middle line to hold stringer 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 1/2 ins. from centre to centre.

Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 7/8 x 3/4 in. diameter, averaging 3 1/2 ins. from centre to centre.

Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 7/8 x 3/4 in. diameter averaging 3 1/2 ins. from centre to centre.

Butts of Three Strakes at Bilge for half length, treble riveted with Butt Straps 1/16 thicker than the plates they connect.

Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 3/4 in. diameter, averaging 3 1/4 ins. from cr. to cr.

Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 7/8 x 3/4 in. diameter, averaging 3 1/2 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 half length amidships.

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

Breadth of laps of plating in double riveting 5 1/4 x 4 1/2 Breadth of laps of plating in single riveting 5 1/4

Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? Treble & double No. of Breasthooks, Four Crutches, Three

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

Manufacturer's name or trade mark, Palmers & Co. & Co.

The above is a correct description.

Surveyor's Signature, J. W. Scullard

Surveyor to Lloyd's Register of British and Foreign Shipping.

State clearly where plating is of alternate thicknesses as distinguished from diminished thickness at ends of vessel.

* If Iron Deck, state if whole or part, and if wood deck is laid thereon.

NWC782-0063

