

IRON SHIP.

Surveyed on the *Barque "Clamie"* Date, First Survey 22nd Jan Last Survey 7th Master J. Key.

Official Number 75790

NAME under Tonnage Deck 1075.54 ONE, OR TWO DECKED, THREE DECKED VESSEL.
 to of Third, Spar, or Awning Deck. 76.42 SPAR, OR AWNING DECKED VESSEL.
 Ditto of Poop, or Raised Or. Dk. 16.24 HALF BREADTH (moulded)... 17.4"
 Ditto of Houses on Deck 37.78 DEPTH from upper part of Keel to top of Upper Deck Beams 23.9
 Gross Tonnage 1206.01 GIRTH of Half Midship Frame (as per Rule) 35.11 1/2
 Less Crew Space 53.52 1st NUMBER 77.03
 Less Engine Room 1150.49 1st NUMBER, if a THREE-DECKED VESSEL [deduct 7 feet]
 Register Tonnage as out on Beam 1150.49 LENGTH 218.6
 2nd NUMBER 16833
 PROPORTIONS—Breadths to Length 6.3
 Depths to Length—Upper Deck to Keel 9.2
 Main Deck ditto

Built at Dundee
 When built 1876. Launched 18
 By whom built Messrs A. Stephen
 Owners D. Bruce & Co.
 Port belonging to Dundee.
 Destined Voyage Queensland.
 If Surveyed while Building, Afloat, or in Dry Dock.

LENGTH on deck as per Rule 218 6 BREADTH Moulded 34 8 DEPTH top of Floors to Upper Deck Beams 21 9
 Do. do. Deck Beams 14 9
 Dimensions of Ship per Register, length, 225.3 breadth 34.85 depth, 21.9.

	Inches in Ship.	Inches per Rule.		Inches in Ship.	Inches per Rule.
KEEL, depth and thickness	9 x 2 1/2	9 x 2 1/2	FLAT KEEL PLATES, breadth and thickness	36	11
STEM, moulding and thickness	8 1/2 x 2 1/2	8 1/2 x 2 1/2	PLATES in Garboard Strakes, breadth and thickness from Garboard to upper part of Bilges	10	10
STERN-POST for Rudder do. do.	8 1/2 x 2 1/2	8 1/2 x 2 1/2	of doubling at Bilge, or increased thickness, and length applied	2 Strips 1/8	3 Strips 1/8 for 1/2 length
for Propeller	24	24	fm up. part of Bilge to lr. edge of Sh'rstrake	10	10
Distance of Frames from moulding edge to moulding edge, all fore and aft	24	24	Main Sheerstrake, breadth and thickness of d'bling at Sh'rstrake, & length applied from Mn. to Up. or Spar Dk. Sh'rstrake.	40	12
FRAMES, Angle Iron, for 3/4 length amidships	5 3 8	5 3 8	Up or Spar Dk Sh'rstrake, breadth & thickness	90 ft 13.	
Do. for 1/4 at each end	5 3 8	5 3 8	Butt Straps to outside plating, breadth & thickness	11 1/2	16 3/4
REVERSED FRAMES, Angle Iron	3 1/2 3 8	3 1/2 3 8	Lengths of Plating	10-0	10-0
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships	24 x 9	24 x 9	Shifts of Plating, and Stringers	2 Spaces.	2 Spaces
thickness at the ends of vessel	8/16	8/16	Gunwale Plate on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness		
depth at 3/4 the half-bdth. as per Rule	12	12	Angle Iron on ditto		
height extended at the Bilges	4-0	4-0	Tie Plates fore and aft, outside Hatchways		
BEAMS, Upper, Spar, or Awning Deck			Diagonal Tie Plates on Beams No. of Pairs,		
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	8 1/2 x 8	8 1/2 x 8	Planksheer material and scantling		
Single or double Angle Iron on Upper edge	3 3 7	3 3 7	Waterways do. do.		
Average space	4-0	4-0	Flat of Upper Deck do. do.		
BEAMS, Main, or Middle Deck			How fastened to Beams		
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	8 1/2 x 8	8 1/2 x 8	Stringer Plate on ends of Main or Middle Deck	42	10
Single or double Angle Iron, on Upper Edge	3 3 7	3 3 7	Beams, breadth and thickness		
Average space	4-0	4-0	Is the Stringer Plate attached to the outside plating?	Yes.	Yes.
MS. Lower Deck, Hold, or Orlop			Angle Irons on ditto, No. 2. 3 1/2 x 3 1/2 x 7/8	5 x 4 x 9/8	52 4 x 9
Single or d'ble Ang. Iron, Plate or Tee Bulb Iron	8 1/2 x 8	8 1/2 x 8	Tie Plates, outside Hatchways	12	10
Single or double Angle Iron on Upper Edge	3 3 7	3 3 7	Diagonal Tie Plates on Beams, No. of pairs	12	10
Average space	4-0	4-0	Waterways materials and scantlings	Butter.	4
KEELSONS Centre line, single or double plate, box, or Intercoastal, Plates	17 x 12	17 x 12	Flat of Middle Deck do. do.		
" Rider Plate	10 3/4 x 12	10 3/4 x 12	How fastened to Beams	3 1/2	3 1/2
" Bulb Plate to Intercoastal Keelson	5 4 9	5 4 9	Stringer Plates on ends of Lower Deck, Hold or Orlop Beams	31	9
" Angle Irons	5 4 9	5 4 9	Is the Stringer Plate attached to the outside plating?	Yes.	Yes.
" Double Angle Iron Side Keelson	5 4 9	5 4 9	Angle Irons on ditto, No. 3. 3 1/2 x 3 1/2 x 3/8	4 x 4 x 9.	4 x 4 x 9
" Side Intercoastal Plate	5 4 9	5 4 9	Stringer or Tie Plates, outside Hatchways	12	10
" do. Angle Irons	5 4 9	5 4 9	Flat of Lower Deck	5 x 3.	3
" Attached to outside plating with angle iron	5 3 7	5 3 7	Ceiling betwixt Decks, thickness and material in hold	2 1/2	2 1/2
BILGE Angle Irons	5 4 9	5 4 9	Main piece of Rudder, diameter at head	6	6
" do. Bulb Iron	5 4 9	5 4 9	do. at heel	3	3
" do. Intercoastal plates riveted to plating for length	5 4 9	5 4 9	Can the Rudder be unshipped afloat?	No.	No.
BILGE STRINGER Angle Irons	5 4 9	5 4 9	Bulkheads No. 1 Thickness of	7/16	6/16
Intercoastal plates riveted to plating for length	5 4 9	5 4 9	Height up	Main deck.	
STRINGER Angle Irons	5 4 9	5 4 9	How secured to sides of ship	double A I frames	

Plates & Angles.
 200, Imetron & Pull Pitt Walkers Patent.
 Centric line to main forecaskle & 8k Strs
 and to lower round of Poop.

FRAMES extend in one length from *Centric line to main forecaskle & 8k Strs and to lower round of Poop.*
 REVERSED ANGLE IRONS on floors and frames extend *from the middle line to upper deck stringers and to alternately*
 KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? *will connected* And butts properly shifted? *properly shifted*

PLATING. Garboard, double riveted to Keel, with rivets 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 in. diameter, averaging 4 ins. from centre to centre.
 Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 7/8 in. diameter averaging 4 ins. from centre to centre.
 Butts of *three* Strakes at Bilge for 1/2 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 7/8 in. diameter, averaging 4 ins. from cr. to cr.
 Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 7/8 in. diameter, averaging 4 ins. from cr. to cr.
 Edges of Main Sheerstrake, double or single riveted.
 Butts of Main Sheerstrake, treble riveted for 1/2 length amidships. Butts of Upper or Spar Sheerstrake, treble riveted length amidships.
 Butts of Main Stringer Plate, treble riveted for 1/2 length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for length.
 Breadth of laps of plating in double riveting *6 diam* Breadth of laps of plating in single riveting *3 1/2 diam*

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? *treble and double*
 Waterway, how secured to Beams *Butter.* (Explain by Sketch, if necessary.)
 Beams of the various Decks, how secured to the sides? *welded brackets into rivets to ribs and stringers.* No. of Breasthooks, 6 Crutches, 6
 What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? *Good.*
 Manufacturer's name or trade mark, *Angels & Bulbs Mossend Ironworks; Plates Connell Iron Co.*
 The above is a correct description.
 Builder's Signature, *Wm Stephen Jones* Surveyor's Signature, *J. Key*
 Surveyor to Lloyd's Register of British and Foreign Shipping.

Are the butts of plating planed or otherwise fitted? *Planed.*
the carvel work and of the butts lay close together throughout their length without requiring air
between the ribs and plates solid single pieces? *Single Solid Pieces*
riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *Conform well.*
es well and sufficiently countersunk in the plate and punched from the faying surfaces? *Well countersunk & punched from faying*
ven break into or through the seams or butts of the plating? *In a few cases at butts from 17120*

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. *Geo. Consett*

also Length and Diameter of Lower Masts and Bowsprit

Foremast, 81 ft; at Keel 21 x 7/16, at Partners 19 x 8/16, at Mounds 22 x 7/16; at Cap 19 x 7/16; four plates in the round.

Mainmast, 84 1/2 ft; at Keel 21 x 7/16, at Partners 19 x 8/16, at Mounds 22 x 7/16; at Cap 19 x 7/16; four plates in the round.

Mizenmast, 84 3/4 ft; at Keel 21 x 7/16, at Partners 19 x 8/16, at Mounds 22 x 7/16; at Cap 19 x 7/16; four plates in the round.

Bowsprit, 39 3/4 ft; at Keel 21 x 7/16, at Partners 19 x 8/16, at Mounds 22 x 7/16; at Cap 19 x 7/16; four plates in the round.

outside belt 23-10.

NUMBER for EQUIPMENT *17955*

Fathoms. Inches. Test per Certificate. Length & Size req'd pr Rule. Test req'd per Rule. ANCHORS. No. Weight. Ex. Stock. Test per Certificate. Weight req'd per Rule. Test req'd per Rule.

N^o. SAILS. CABLES, &c. Chain 270 1 3/8 59 3/8 Jm. 270-1 3/8 59 3/8

Fore Sails, River Head Machine. 13 July 76. J. Hartness Supt. 2

Fore Top Sails, Stay Sails Hmpn Strm Cbl 90 1 90-1

Main Sails, Hawser ... 90 10 90-9 1/2

Main Top Sails, Towlines ... 90 6 1/2 90-6

and Warp ... 100 5 100-5

quality *Good* 100 4 1/2

Standing and Running Rigging *Mrs. Kemp* sufficient in size and *Good* in quality. She has *two* Life Boats 25 ft. 2 Cutters 25 ft. 1 Big

The Windlass is *Walker's Patent* Capstan 3 and Rudder *Good* Pumps *Good* 2 Main, 2 Duff's Patent

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? *Nao 4 pair Scuppers & 5 pair Ports.*

Cargo Hatchways. How formed? *Iron plate 1/2 inch thick with 2 1/2 inch side ledge plate along each side, top of beams.*

State size Main Hatch 16-0 x 9-0 Forehatch 6-0 x 6-0 Quarterhatch 8-0 x 6-0

If of extraordinary size, state how framed and secured?

What arrangement for shifting beams? *One in Main Hatch.*

Hatches, If strong and efficient? *Yes.*

Order for Special Survey No. *332*

Date *21-2-76*

Order for Ordinary Survey No. *64*

Date *21-2-76*

No. *64* 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 *1876 Jan 22, 26; Feb 3, 4, 5, 7, 10, 15, 16, 18, 21, 23*

2nd. On the plating during the process of riveting *26, 28; Mar 3, 9, 11, 15, 16, 17, 18, 21, April 3, 11, 14*

3rd. When the beams were in and fastened, and before the decks were laid ... *25, Mar 3, 8, 11, 13, 18, 19, 26; July 23; Aug 8, 14*

4th. When the ship was complete, and before the plating was finally coated or cemented ... *Aug 2, 3, 14, 31; Sept 4, 8, 11, 20*

5th. After the ship was launched and equipped *26; Oct 3, 6, 7*

General Remarks (State quality of workmanship, &c.) *Workmanship & Materials Good.*

This vessel has been constructed in accordance with the accompanying Sketch of midship section submitted and approved see Letter 9 Dec 75. The poop beams are single angles 5 1/2 x 3 x 7/16, rounded gunwale plate 6/16, side plating 6/16, flat of deck 3 in thick. Top gallies fore-castle, beams single angles 5 1/2 x 3 x 7/16, stringers 2 1/2 x 2 1/2 lie plates 9 x 7/16, side plating 6/16 and flat of deck 3 in.

Alfred Linton

Two-decked vessel.

to port 39 ft. 36 ft.

State of one, two, or three, decked vessel, or if open, or arched decked, and the lengths of poop, fore-castle, or raised quarter deck, and the length of double, or part double bottom.

From bilge to 3 coats Red lead paint. Outside 3 coats of Paint & one of Comp.

How are the surfaces preserved from oxidation? Inside *" " to Keelson Cemented.* Outside *" " to Bilge & 3 coats Red lead paint.*

we are

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

The amount of the Entry Fee ... £ 5 : 0 : 0 is received by me, *Sho*

Special ... £ 53 : 15 : 0 18 Oct 1876

Certificate ...

(Travelling Expenses, if any, £ ...)

Committee's Minute *21st October 1876*

Character assigned *100 A.1*

2 decks

2 decks

2 decks

2 decks

2 decks

2 decks

2 decks

2 decks

2 decks