

IRON SHIP.

No. *11116* Survey held at *Hull* Date First Survey *18/2/74* Last Survey *18*

On the *Screw Steamer Eldorado* Yard Number *11116* Master *J. L. Kerr*

TONNAGE under Deck *2127.44* **THREE DECKED VESSEL.** Built at *Hull*

Ditto of Third, Spar, or Arming Deck *962.02* When built *1843* Launched *3rd March*

Ditto of *154.34* By whom built *C. W. Earle*

Ditto of *54.46* Owners *Thomas Wilson Jones & Co*

Ditto of Houses *22.81* Port belonging to *Hull*

Ditto of Forecastle *10.64* Destined Voyage *Special Survey*

Gross Tonnage *3332.31* If Surveyed while Building, Afloat, or in Dry Dock.

Less Crew Space *108.59*

Less Engine Room *1066.34*

Register Tonnage *2154.38*

as cut on Beams

1st NUMBER *84.1*

1st NUMBER, if a **THREE-DECKED VESSEL** deduct 7 feet *33.44*

LENGTH *384.8*

2nd NUMBER *33.44*

PROPORTIONS—Breadths to Length *9.9*

Depths to Length—Upper Deck to Keel *12.9*

Main Deck ditto *14.4*

LENGTH	Feet.	Inches.	BREADTH	Feet.	Inches.	DEPTH	Feet.	Inches.	Power of	Horse.	No. of Decks with flat laid	No. of Tiers of Beams
on deck as per Rule	384	10	Moulded	39	-	top of Floors to Upper Deck Beams	24	9	Engines	312	Two	Three
Dimensions of Ship per Register, length, 384.3 breadth, 39.1 depth, 19.4												
KEEL, depth and thickness	11 x 3 1/2		11 x 3		Flat Keel Plates, breadth and thickness							
STEM, moulding and thickness	11 x 3 1/2		11 x 3		PLATES in Garboard Strakes, breadth and thickness from Garboard to upper part of Bilges of doubling at Bilge, or increased thickness, and length applied 3 Strakes 1/2 length							
STERN-POST for Rudder do. do. for Propeller	11 x 4 3/4		11 x 6		fin up. part of Bilge to Ir. edge of Sh'rstrake							
Distance of Frames from moulding edge to moulding edge, all fore and aft	24		(Class 100A)		Main Sheerstrake, breadth and thickness of doubling at Sh'rstrake, & length applied from Mn. to Up. or Spar Dk. Sh'rstrake.							
FRAMES, Angle Iron, for 1/2 length amidships	5 x 3		5 x 3 1/2		Up. or Spar Dk Sh'rstrake, brdth & thickness							
Do. for 1/4 at each end	3 1/2 x 3		3 1/2 x 3 1/2		Butt Straps to outside plating, breadth & thickness							
REVERSED FRAMES, Angle Iron	3 1/2 x 3		3 1/2 x 3 1/2		Lengths of Plating							
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships	25 1/2 x 9 1/2		25 x 10 1/2		Shifts of Plating, and Stringers							
thickness at the ends of vessel	9 x 5 1/2		12 x 20		Gunwale Plate on ends of Main or Middle Deck							
depth at 3/4 the half-bdth. as per Rule	9 x 5 1/2		12 x 20		Upper Deck Beams, breadth and thickness							
height extended at the Bilges	9 x 5 1/2		12 x 20		Angle Iron on ditto							
BEAMS, Upper, Single or Double Angle Iron, Plate or Tee Bulb Iron	9 1/2 x 7 1/2		9 1/2 x 7 1/2		Tie Plates fore and aft, outside Hatchways							
Single or double Angle Iron on Upper edge	3 x 3		3 x 2 1/2		Diagonal Tie Plates on Beams No. of Pairs							
Average space	3 x 3		3 x 2 1/2		Planksheer material and scantling							
BEAMS, Main or Middle Deck	9 x 7 1/2		9 1/2 x 9 1/2		Waterways do. do.							
Single or double Angle Iron, on Upper Edge	3 1/4 x 3 1/2		3 1/2 x 3 1/2		Flat of Upper Deck do. do. Iron plate							
Average space	3 1/4 x 3 1/2		3 1/2 x 3 1/2		How fastened to Beams							
BEAMS, Lower Deck, Hold or Orlop	9 1/2 x 7 1/2		9 1/2 x 7 1/2		Stringer Plate on ends of Main or Middle Deck							
Single or double Angle Iron on Upper Edge	5 x 3		5 x 3 1/2		Beams, breadth and thickness							
Average space	5 x 3		5 x 3 1/2		Is the Stringer Plate attached to the outside plating?							
KEELSONS Centre line, single or double plate, box, or Intercoastal, Plates	24 x 1		23 x 1 1/4		Angle Irons on ditto, No. 2							
Rider Plate	14 x 1		13 3/4 x 1 1/4		Tie Plates, outside Hatchways							
Bulb Plate to Intercoastal Keelson	6 1/2 x 4		6 1/2 x 4 1/2		Diagonal Tie Plates on Beams, No. of pairs							
Angle Irons	6 1/2 x 4		6 1/2 x 4 1/2		Waterways materials and scantlings							
Double Angle Iron Side Keelson	6 1/2 x 4		6 1/2 x 4 1/2		Flat of Middle Deck do. do. Iron plate							
Side Intercoastal Plate	10 x 7 1/2		10 x 7 1/2		How fastened to Beams							
do. Angle Irons Bulb	10 x 7 1/2		10 x 7 1/2		Stringer Plates on ends of Lower Deck, Hold or Orlop Beams							
Attached to outside plating with angle iron	4 x 4		3 1/2 x 3 1/2		Is the Stringer Plate attached to the outside plating?							
BILGE Angle Irons	6 1/2 x 4		6 1/2 x 4 1/2		Angle Irons on ditto, No. 4							
do. Bulb Iron	10 x 7 1/2		9 1/2 x 9 1/2		Stringer or Tie Plates, outside Hatchways							
do. Intercoastal plates riveted to plating for 1/2 length	10 x 7 1/2		9 1/2 x 9 1/2		Flat of Lower Deck							
BILGE STRINGER Angle Irons	6 1/2 x 4		6 1/2 x 4 1/2		Ceiling betwixt Decks, thickness and material in hold							
Intercoastal plates riveted to plating for 1/2 length	10 x 7 1/2		9 1/2 x 9 1/2		Main piece of Rudder, diameter at head							
SIDE STRINGER Angle Irons	6 1/2 x 4		6 1/2 x 4 1/2		do. at heel							
Transoms, material. Knight-heads. Hawse Timbers.	Can the Rudder be unshipped afloat?											
Windlass	Bulkheads No. Thickness of plates											
	Height up to Main Deck											
	How secured to sides of ship											
	Size of Vertical Angle Irons and distance apart											
	Are the outside Plates doubled two spaces of Frames in length?											

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 across middle line to _____ middle line to _____

Reversed angle iron to be carried to main deck upper deck alternately and main deck alternately

KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? _____ And butts properly shifted? _____

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, _____



14177 Lm
Workmanship. Are the butts of plating planed or otherwise fitted?

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 facing 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.	Lngh. & Size req'd per Rule.	Test req'd per Rule.	ANCHORS, &c.	N ^o .	Weight. Ex. Stock.	Test per Certificate.	W'ght req'd per Rule.	Test req'd per Rule.
	Fore Sails,	Chain ...						Bowers ...					
	Fore Top Sails,	(State Machine where Tested, Date, & name of Superintendent.)						(State Machine where Tested, Date, and name of Superintendent.)					
	Fore Topmast Stay Sails	Hmpn Strm Cbl											
	Main Sails,	Hawser ...						Stream ...					
	Main Top Sails,	Towlines ...						Kedges ...					
	and	Warp ...											
		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 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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