

IRON SHIPS.

No. 2300 Survey held at Stockton Date 15th June 1863
 on the S.S. "Alexandria" (Jas. Tenn) Master J. L. Holmes
 Tonnage Gross 570 ⁴¹/₁₀₀ Engine Room 134 ⁵⁰/₁₀₀ Register 435 ⁴⁰/₁₀₀ Built at Stockton
 When Built 1863 By whom built Richardson Duckett Owners J. L. Begbie
 Launched 4th April London Destined Voyage London
 Port belonging to London
 Surveyed Afloat or in Dry Dock While building

Length aloft	Feet.	Inches.	Extreme Breadth	Feet.	Inches.	Depth from top of Upper Deck	Feet.	Inches.	Beam to top of Floor	Feet.	Inches.	Power of Engines	Horse No.
110			26		0	16		3					
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	Inches in Ship.	Inches required per Rule.	10		10								
Floors, Size of Angle Iron, and No. at bottom of Floor Plate	Inches in Ship.	Inches required per Rule.	3 1/2	3	0 1/6	3 3/4	2 3/4	7 1/6					
depth and thickness of Floor Plate at mid line	16	x	0 1/6	16	x	0 1/6							
depth and thickness of Floor Plate at Bilge Keelson	6	x	0 1/6	3 3/4	x	0 1/6							
Size of Reversed Angle Iron, and No. at top of Floor Plate	3	2 1/2	6 1/6	3	2 1/2	4 1/6							
Frames, Size of Angle Iron, single or double	3 1/2	3	0 1/6	3 3/4	2 3/4	7 1/6							
Reversed Iron, if to every frame or every other frame	3	2 1/2	6 1/6	3	2 1/2	4 1/6							
Beams, Deck (No. 60) double Angle Iron or Bulb Iron with double Angle Iron on top	2 1/2	2 1/2	5 1/6	2 1/2	2 1/2	5 1/6							
depth & thickness of plate amidships	6 1/2	x	7 1/6	6 1/2	x	7 1/6							
double or single Angle Iron, on lower edge	36 inches		36 inches										
average space between	36 inches		36 inches										
if wood (No.) sided & moulded													
Hold, or Lower Deck (No. 39) double Angle Iron or Bulb Iron with double Angle Iron on top	2 1/2	2 1/2	5 1/6	2 1/2	2 1/2	5 1/6							
depth & thickness of plate amidships	6 1/2	x	7 1/6	6 1/2	x	7 1/6							
double or single Angle Iron, on lower edge	36 x 72 inches		36 x 72 inches										
average space between	36 x 72 inches		36 x 72 inches										
if wood (No.) sided & moulded													
Paddle, wood, sided and moulded or if Iron, size of Plate													
Engine Keelson, wood, sided & moulded, iron, size of plate, if Box, give sketch & dimensions	4	3	7 1/6	4 1/4	3 1/4	7 1/6							
Side or Bilge	11	x	10 1/6	10 1/4	x	10 1/6							
Number	4	3	0 1/6	4 1/4	3 1/4	7 1/6							
Transoms, material	Plate												
Knight-heads													
Hawse Timbers													
Bulkheads, No. 4													
Thickness of 6 1/6 plate													
are they free from defects?													
how secured to the sides of the ship	to double frames & broadness												
size of vertical angle iron and their distance apart	3 x 2 1/2 x 7 1/6 Head 29 in.												
The Frames or Ribs extend in one length from	Keel												
to	gunwale												
rivettted through plates with (3/4 in.) rivets, about (6 in.) apart.													
The reverse angle irons on the floors extend in one length across the middle line from	top of bilge												
to	top of bilge												
on the frames	bilge												
to	gunwale on alternate frames												
Keelson, how are the various lengths of plates or angle irons connected?	butts of angle irons shifted & rivettted												
Plates, Garboard, double or single rivettted to keel & at upper edge, with rivets (1 in.) diameter averaging (4 in.) from centre to centre of rivet.													
Edges from Garboards to upper part of bilge, worked carvel with a lining piece (1 in.) thick, or clencher, double or single rivettted; rivets (1/2 in.) diameter, averaging (3 in.) from centre to centre of rivets.													
Butts from Keel to turn of bilge, worked carvel with a lining piece (1/16) thick, double or single rivettted; rivets (3/4 in.) diameter, averaging (3 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below?	no												
Edges from bilge to planksheer, worked carvel with a lining piece () thick, double or single rivettted; rivets (3/4 in.) diameter, averaging (3 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below?	no												
Butts from bilge to planksheers, worked carvel with a lining piece (0 1/6) thick, or clencher, double or single rivettted; rivets (1/2 in.) diameter averaging (3 in.) from centre to centre of rivets. Breadth of laps in double rivetting (4) Breadth of laps in single rivetting (2 1/2)													
Planksheer, how secured to the plating of the sides	Explain by sketch, if necessary.												
Waterway													
Side trussing	breadth and thickness of plates												
how secured?	Three sets of diagonal plates 10 x 9 1/6												
Deck trussing													
Deck Beams, how secured to the side?	With "Bracket" Piece plates												
Hold or Lower Deck	Same as Deck												
Paddle													
No. of breasthooks	Four												
crutches	Two												
how are pointers compensated?													
What description of iron is used for the angle iron and plate iron in the vessel?													
By Hopkins & Co. Newcastle													
Stockton Iron works													
Bedlington & Co.													

Builder's Signature

Richardson Duckett

IRON 436-0407

3263 Iron

Workmanship. Are the lands or laps of the clenchwork in all cases in breadth at least five times the diameter of the rivets in double rivetted edges and butts, and at least three times the diameter of the rivets where single rivetting is admitted? Yes
Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies? They do.
Do the fillings between the ribs and plates fill in solid with single pieces, or are they in short lengths of various thicknesses? Solid in one length
Do the holes for rivetting plate to frames, lining pieces, or plate to plate, &c., conform well to each other? Yes and are the rivet holes well and sufficiently countersunk in the outer plate? All through
Are there any rivets which either break into or have been put through the seams or butts of the plating? A few.

Her Masts, Yards, &c., are All new condition, and sufficient in size and length.

She has SAILS.		CABLES, &c.		ANCHORS, and their weights.	
N ^o .			Fathoms. Inches.		N ^o . Weight.
	Fore Sails,	Chain	240 1 1/16	Bower (Rodgers Patents)	3 10.0.0
	Fore Top Sails,	Heaven Stream Cable	90 12/16		16.1.0
	Fore Topmast Stay Sails,	Hawser	90 7	Stream,	1 5.1.0
	Main Sails,	Towlines	90 5 1/2		
	Main Top Sails,	Warp	75 3 1/4	Kedge,	1 3.0.0
		All of <u>Good</u> quality.	25 5 1/2		

Her Standing and Running Rigging New Wire, New Manila sufficient in size and Good in quality.

She has Two life Long Boat and Gig & Gally Do
The present state of the Windlass is Greenham Capstan Good and Rudder Good Pumps Three of metal

General Remarks, Statement and Date of Repairs, extent of corrosion (if any) both internally and externally, and condition of rivets.

DATES of Surveys held while building, as per Section 17. 1st. On the several parts of the frame, when in place, and before the plating was wrought Special Survey No. of order 159
2nd. On the plating during the progress of rivetting
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 First Survey 17th Sept. 1862
5th. After the ship was launched Last do 15th June 1863

Sheerstrakes doubled for threefourths the length with 0/16 plate 20 inches broad, all butts thapped. Intercostal Nelson on each side of middle line as far forward & aft as practicable, plates 17 x 0/16. Double angle iron 3 1/2 x 3 x 0/16.

Half raised Quarter Deck, frames extending to the top height. Plating outside 7/16. 6/16 or 5/16 single rivetted at edges double do. at butts with 5/16 in rivets spaced 2 1/2 in. centre to do. Beams the same size as main decks. Flat of deck 3 in Y. Pine.

Richardson, Dock 10

In what manner are the surfaces preserved from oxidation? With three coats of paint.

I am of opinion this Vessel should be classed 9 A 1

The amount of the Fee £ 5 : 0 : 0 is received by me, J. P. Glaciotone

Special £ 20 : 10 :
Certificate (if required) £ : :

Committee's Minute 3rd July 1863

Character assigned A 1 for 9 years



Lloyd's Register
Foundation