

27300 IRON SHIPS.

No. 7430 Survey held at Sunderland Date April 10th 1862
 on the Ship "Claudine" Master B. Watkins
 Tonnage Gross 480 Engine Room 480 Register 480 Built at Sunderland
 When Built 1862 By whom built James Lacey Owners M. Ord & Co
 Laid down March 29th
 Port belonging to Sunderland Destined Voyage Caldera
 Surveyed Afloat or in Dry Dock Mining Building

Length aloft	Feet. Inches.	Extreme Breadth	Feet. Inches.	Depth from top of Upper Deck Beam to top of Floor	Feet. Inches.	Power of Engines	Horse No.
150		26		17	2		
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	18	Inches in Ship	18	Inches required per Rule			
Floors, Size of Angle Iron, and No. 1 at bottom of Floor Plate	3 1/2	Inches in Ship	3	Inches required per Rule	8	3 1/2	2 3/4
depth and thickness of Floor Plate at mid line	17 1/2	"	8	"	17	"	8
depth and thickness of Floor Plate at Bilge Keelson	6	"	8	"	3 1/2	"	8
Size of Reversed Angle Iron, and No. 1 at top of Floor Plate	3	2 1/2	6	2 3/4	2 1/2	6	
Frames, Size of Angle Iron, single or double	3 1/2	3	8	3 1/2	2 3/4	7	
Reversed Iron, & to every frame and to every other frame	to the upper part of bilges to the gunwale						
Beams, Deck (No. 46) double Angle Iron of Bulb Iron with double Angle Iron on top	3 1/2	2 1/2	5	2 1/2	6 1/2	5	
depth & thickness of plate amidships	6 1/2	"	6	6 1/2	"	6	
double Angle Iron, on lower edge	2 1/2	2 1/2	5	2 1/2	2 1/2	5	
average space between	3 feet						
if wood (No.) sided & moulded	"						
Hold, or Lower Deck (No. 31) double Angle Iron or Bulb Iron with double Angle Iron on top	2 1/2	2 1/2	5	2 1/2	2 1/2	5	
depth & thickness of plate amidships	6 1/2	"	6	6 1/2	"	6	
double Angle Iron, on upper edge	2 1/2	2 1/2	5	2 1/2	2 1/2	5	
average space between	3ft & 6ft alternately						
if wood (No.) sided & moulded	"						
Paddle, wood, sided and moulded or if Iron, size of Plate	"						
Keelson, wood, sided & moulded, iron, size of plate, if Box, give sketch & dimensions	26	"	8	22	"	8	
Side or Bilge	3	4	8	3	4	8	
Number	Two on each side						

Transoms, material Nil or, if none, in what manner compensated for. round stem framed complete
 Knight-heads Eng Oak Bulkheads, No. Two Thickness of 5/16
 Sawse Timbers do are they free from defects? Yes how secured to the sides of the ship rivetted between two frames
 size of vertical angle iron and their distance apart 3 x 2 1/2 in. 30 inches
 Frames or Ribs extend in one length from Middle line to gunwale rivetted 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 to the upper part of bilges
 on the frames and to the gunwale on alternate frames
 Keelson, how are the various lengths of plates or angle irons connected? with Butt Straps and double angle iron top & bottom
 Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets (1/4 in.) diameter averaging (4.3 in.) from centre to centre of rivet.
 Edges from Garboards to upper part of bilge, worked carvel with a lining piece (in) thick, or clencher, double or single rivetted; rivets (3/4 in.) diameter, averaging (3 ins.) from centre to centre of rivets.
 Butts from Keel to turn of bilge, worked carvel with a lining piece (9/16) thick, double or single rivetted; rivets (3/4 in.) diameter, averaging (3 ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? Yes
 Edges from bilge to planksheer, worked clencher with a lining piece (in) thick, double or single rivetted; 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? Yes
 Butts from bilge to planksheers, worked carvel with a lining piece (9/16) thick, double or single rivetted; rivets (3/4 in.) diameter averaging (3 ins.) from centre to centre of rivets. Breadth of laps in double rivetting (3 1/4) Breadth of laps in single rivetting (2 1/4)
 Planksheer, how secured to the plating of the sides } Explain by sketch, } by angle iron to stem strake and anticlinal
 Waterway planksheer and to the Beams } if necessary. } through the stringer plate
 Side trussing breadth and thickness of plates how secured? do
 Deck trussing do
 Deck Beams, how secured to the side? By Sub-iron of the Beams are turned down & pieces welded to form knees with four rivets in each arm
 Hold or Lower Deck do
 Paddle do
 No. of breasthooks Four crutches Four how are pointers compensated? stringers run through & connected
 What description of iron is used for the angle iron and plate iron in the vessel? Iron do & Co Angle Iron Builder's Signature James Lacey
 Plates of DeWent & Bonsett Iron Co

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? yes

Do the fillings between the ribs and plates fill in solid with single pieces, or are they in short lengths of various thicknesses? single pieces solid

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? yes

Are there any rivets which either break into or have been put through the seams or butts of the plating? very few

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

SAILS.		CABLES, &c.		ANCHORS, and their weights.	
No.		Fathoms.	Inches.	No.	Weight.
2	Fore Sails,	Chain <u>certif. produced</u> ..	240 1 3/8	Bower,	3 20.
2	Fore Top Sails,	Hempen Stream Cable	80 8	Stream,	1 6.
2	Fore Topmast Stay Sails,	Hawser	60 7/8	Kedge,	2 3.
2	Main Sails,	Towlines	70 6		2.1.
2	Main Top Sails,	Warp	70 5		
	and <u>others as usual</u>	All of <u>good</u> quality.	70 4		

Her Standing and Running Rigging gal wire & hemp sufficient in size and good in quality.

She has one Long Boat and two others

The present state of the Windlass is good Capstan good and Rudder good Pumps two 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 December 10th 1861
 - 2nd. On the plating during the progress of rivetting December 30th
 - 3rd. When the beams were in and fastened, and before the decks were laid January 30th 1862
 - 4th. When the ship was complete, and before the plating was finally coated March 12th
 - 5th. After the ship was launched March 29th & April 3rd

The floor plates are turned to the shape of bottom for a length of ninety feet in midships, the remainder at fore and after end are straight on top side

In what manner are the surfaces preserved from oxidation? Red lead & Peacock's patent, and with Portland cement in the bottom to upper turn of bilge

I am of opinion this Vessel should be classed 12 A 1

The amount of the Fee£ 5: " : " is received by me,
 Special£ " : " : "
 Certificate (if required)£ " : 5: "

Thos. B. Seiney

Committee's Minute 22nd April 18 62.

Character assigned 1 for 12 Years

I concur in the above recommendation
21 April 62

