

IRON SHIPS.

No. 8856 Survey held at Newcastle Date July 5th Rev 1/12/5
on the S.S. Lara Master William Pinkham 1862
Tonnage Gross 1194.78 Engine Room 189.75 Register 1005.63 Built at Newcastle
When Built 1862 By whom built Palmer Bros & Co Owners A. G. Robinson
Launched May 31st
Port belonging to London Destined Voyage London
If Surveyed Afloat or in Dry Dock While building and afloat

Length aloft		Extreme Breadth		Depth from top of Upper Deck		Power of Engines		Horse No.
Feet.	Inches.	Feet.	Inches.	Feet.	Inches.	Feet.	Inches.	
24	9.6	30	5	21	9			
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft				Inches in Ship.		Inches required per Rule.		
				18		18		
Floors, Size of Angle Iron, and No. / at bottom of Floor Plate				Inches in Ship.		Inches required per Rule.		
				5		3		
depth and thickness of Floor Plate at mid line				22		9/16		
depth and thickness of Floor Plate at Bilge Keelson				15		9/16		
Size of Reversed Angle Iron, and No. / at top of Floor Plate				3 1/2		3		
Frames, Size of Angle Iron, single or double				5		3		
Reversed Iron, if to every frame				3 1/2		3		
Lower Deck or every other frame				3 1/2		3		
Beams, Deck (No. 68) double Angle Iron				8		9/16		
Bulb Iron with double Angle Iron on top				8		9/16		
depth & thickness of plate amidships				8		9/16		
double or single Angle Iron, on upper edge				3		2 3/4		
average space between				3ft		3ft		
if wood (No.) sided & moulded								
Hold, or Lower Deck (No. 57) double Angle Iron or Bulb Iron with double Angle Iron on top				8		9/16		
depth & thickness of plate amidships				8		9/16		
double or single Angle Iron, on lower edge				3		2 3/4		
average space between				3ft		3ft		
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				Intermetal 28 x 9/16 with angle iron 6 x 4 x 9/16		28 x 9/16 with angle iron 5 x 4 1/2 x 9/16		
Side or Bilge				6 x 4 x 9/16		5 x 4 1/2 x 9/16		
Number								
Also a Bilge Keelson of angle iron 6 x 4 x 9/16								
Transoms, material or, if none, in what manner compensated for.								
Knight-heads				Iron				
Hawse Timbers				Iron				
Bulkheads, No. 4 Thickness of 7/16								
how secured to the sides of the ship				With double frames				
size of vertical angle iron and their distance apart				3 1/2 x 3 1/2 20" apart				
The Frames or Ribs extend in one length from				Keel		to Gunwale		
rivetted through plates with (1/2 in.) rivets, about (6 1/4) apart.								
The reverse angle irons on the floors extend in one length across the middle line from				Deck stringer		to Deck stringer		
on the frames				from Lower Deck		to Lower Deck		
Keelson, how are the various lengths of plates or angle irons connected?				Shifted				
Plates, Garboard, double or single rivetted to keel & at upper edge, with rivets (1/2 ins.) diameter averaging (4 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 (1/2 in.) diameter, averaging (3 1/4 ins.) from centre to centre of rivets.								
Butts from Keel to turn of bilge, worked carvel with a lining piece (5/8) thick, double or single rivetted; rivets (1/2 in.) diameter, averaging (3 1/4 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 carvel with a lining piece () thick, double or single rivetted; rivets (1/2 in.) diameter, averaging (3 1/4 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 (5/8) thick, or clencher, double or single rivetted; rivets (1/2 in.) diameter averaging (3 1/4 ins.) from centre to centre of rivets. Breadth of laps in double rivetting (4 1/4) Breadth of laps in single rivetting (2 3/4)								
Planksheer, how secured to the plating of the sides				Explain by sketch,		Bolted to stringer & plating		
Waterway				planksheer and to the Beams		if necessary.		
Side trussing				breadth and thickness of plates		how secured?		
Deck trussing				11 x 9/16		rivetted to angle irons on Beams		
Deck Beams, how secured to the side?				With welded knees rivetted to ribs				
Hold or Lower Deck								
Paddle								
No. of breasthooks 4 crutches				how are pointers compensated?		With plate & angle irons		
What description of iron is used for the angle iron and plate iron in the vessel?								
Plates by J. B. Richardson & Co. Shotley Bridge and Angle Iron by Hawkes Crawshaw & Co. Gateshead.								

5988 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? Yes
Do the fillings between the ribs and plates fill in solid with single pieces, or are they in short lengths of various thicknesses? Long lengths
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? Some few

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

She has **SAILS.**

CABLES, &c.

ANCHORS, and their weights.

N ^o .			Fathoms.	Inches.		N ^o .	Weight.
1	Fore Sails,	Chain	270	1 1/2	Bower,	3	31-3-4 29-2-0 26-1-0
1	Fore Top Sails,	Hempen Stream Cable	90	9	Stream,	1	9-3-4
1	Fore Topmast Stay Sails,	Hawser <u>chain</u>	90	7 1/2			
1	Main Sails,	Towlines	90	4			
1	Main Top Sails,	Warp	90	6	Kedge,	2	5-0-4 2-2-0
	and other requisite sails	All of <u>good</u> quality.	90	5			

Her Standing and Running Rigging is 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 good

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 Jan 4th 31st
2nd. On the plating during the progress of rivetting Feb 7th 19th March 10th 19th 25th to April 3rd
3rd. When the beams were in and fastened, and before the decks were laid April 11th
4th. When the ship was complete, and before the plating was finally coated May 13th to 21st
5th. After the ship was launched June 12th to present date

The Bridge Keelsons of this vessel are placed above the ends of the floor plates and are secured to the frame with single reverse angle irons; such not being in accordance with the Rules, I beg respectfully to leave the class for the consideration of the Committee.

In what manner are the surfaces preserved from oxidation? Red Lead and Linseed Oil.

I am of opinion this Vessel should be classed _____

The amount of the Fee£..... is received by me, John Maxwell

Special£ 5 : 5 : 0

Certificate (if required)£.....

Committee's Minute 18

Character assigned _____



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