

IRON SHIPS.

2830 Survey held at Sunderland Date 7/14/70

Bl. Laura

PLANO

Master

Greenna

1870

under tonnage deck 457.42

onop. Break or spar deck 23.71

engine room House 17.34

ster tonnage 492.47

none 492.47

Built at Sunderland

When built

1870 Launched March 5/70

By whom built W. Pile & Co.

Owners

Richard Hill

Port belonging to Plymouth

Destined Voyage Monte Video

Surveyed while Building, Afloat, or in Dry Dock While 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. of Decks
154			27		4	16		6			One
(Dimensions of Ship per Register, length 156-1 breadth 27-55 depth 16 15)											
Keel, if bar iron, depth and thickness	Inches in Ship.		Inches required per Rule.		Plates in Garboard Strakes, breadth and thickness						
" if plate iron, breadth and thickness	8 x 2 1/2		6 1/4 x 2 1/2		36 10 24 10						
tem, if bar iron, moulding and thickness	8 x 2 1/2		6 1/4 x 2 1/2		Ditto from Garboard to upper part of Bilges..						
" if plate iron, breadth and thickness	8 x 2 1/2		6 1/4 x 2 1/2		" from upper part of Bilge to a perpendicular height from upper side of Keel of 3/4ths the entire depth of Hold						
n-post, if bar iron, moulding and thickness	8 x 2 1/2		6 1/4 x 2 1/2		" from 3/4ths depth of Hold to lower edge of Sheerstrake						
" if plate iron, breadth and thickness	8 x 2 1/2		6 1/4 x 2 1/2		" Sheerstrake, breadth and thickness						
ance of Frames from moulding edge to moulding edge, all fore and aft	23		23		Butt Straps to outside plating, breadth and thickness						
Size of Angle Iron, single or double	3 1/2 3 7		3 1/2 2 1/4 7		Gunwale Plate or Stringer on ends of Upper Deck Beams, breadth and thickness						
Reversed Iron, to every frame	2 1/2 2 1/4 6		2 1/2 2 1/2 6		Angle Iron on ditto						
depth and thickness of Floor Plate at mid line	18 - 7		18 - 7		Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways						
" Ditto ditto at Bilge Keelson	6 - 7		6 - 7		Diagonal Tie Plates on ditto						
" Size of Reversed Angle Iron, and No. at top of Floor Plate	2 1/2 2 1/4 6		2 1/4 2 1/2 6		Planksheer, materials and scantlings						
Beams, Deck (Nº. 41) double Angle Iron, Plate, Tee, or Bulb Iron	7 - 7		6 1/2 - 6		Waterway ditto ditto						
" double or single Angle Iron, on top edge	2 1/2 2 1/2 5		2 1/2 2 1/2 5		Flat of Upper Deck, thickness and material						
" average space between	46 - -		46 - -		" how fastened to Beams						
" Hold, or Lower Deck (Nº. 30) double Angle, Tee, Plate, or Bulb Iron	7 - 7		6 1/2 - 6		Ceiling betwixt Decks and in Hold, thickness and material						
" double or single Angle Iron, on top edge	2 1/2 2 1/4 6		2 1/2 2 1/2 6		Clamps or Spirketting ditto						
" average space between	46 1/2 2 -		46 1/2 2 -		Stringer Plates on ends of Hold or Lower Deck Beams, breadth and thickness						
Paddle, sided and moulded, thickness of Plate size of Angle Iron	- - -		- - -		Stringer or Tie Plates fore and aft outside Hatchways, on Hold or Lower Deck Beams						
Engine "											

7866 Iron

Workmanship. Are the lands or laps of the clenchwork in all cases in breadth at least five and a half times the diameter of the rivets in double rivetted edges and butts, and at least three and a quarter 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? Well
 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
 Do the holes for rivetting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes generally and are the rivet hole 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? None only

Her Masts, Bowsprit, Yards, &c., are in good condition, and sufficient in size and length. (If they are 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, & the number of Plates and Angle Irons, mode of rivetting, quality of Materials, and if stamped with Maker's name.)

The two lower Masts & Bowsprit of Iron. Sketch attached.

She has SAILS.		CABLES, &c., tested at					ANCHORS, tested at				
No.		No. on Chain seen by me.	No. and date on Certificate	Fathoms.	Inches.	Tested to. Tons.	No.	No. on Anchor seen by me.	No. and date on Certificate.	Weight. Ex. stock.	Tested to. Tons.
2	Fore Sails,	Chain	3473	270	1 3/8	34	Bowers	3	4503	4503 264 1/2	17-2-0 18-2-0
2	Fore Top Sails,	Hemp	4266/870					4566	4566 264 1/2	17-1-0 18-3-0	
2	Fore Topmast Stay Sails,	Stream Cable Hawser Chain		60	1/2		Stream.....	1	4567	4567 264 1/2	14-2-14 16-1-21
2	Main Sails,	Towlines		80	5/8						
2	Main Top Sails,	Warp		80	5 1/2		Kedges	2			3-3-0
and other well found		All of new quality.		80	1 1/2						

Her Standing and Running Rigging Complete sufficient in size and good in quality. 2-0-10

She has 1 Life boat - Long Boat and 1 Skiff & 1 Chilly boat

The present state of the Windlass is 8 Skt for Capstan W for and Rudder good Pumps good

Order for Special Survey DATES of 1st. On the several parts of the frame, when in place, and before the plating was wrought Built under 21. 8
 No. 2251 Surveys held 2nd. On the plating during the progress of rivetting 1868
 Date 31st Dec 1869 while building 3rd. When the beams were in and fastened, and before the decks were laid 23rd Dec 1869
 Order for Ordinary Survey as per 4th. When the ship was complete, and before the plating was finally coated 23rd Dec 1869
 No. 2251 Section 18. 5th. After the ship was launched 23rd Dec 1869
 Date 31st Dec 1869

State if she has a Spar Deck Half Deck, Poop Deck or Forecastle (Monkey for Lanth)

General Remarks,

*She is all double rivetted excepting three edges of plating below the Sheerstrake.
 The Butts of Sheerstrake have double butt straps, one extending from the fore side of frame before the butt to the after side of frame abap ditto (26 1/2 wide) & the other a common butt strap 7 1/2 wide double rivetted.*

Certificate for the Test of Chain Cable & Anchor have been produced issued from the Sunderland Public Testing House signed by John Hartley

In what manner are the surfaces preserved from oxidation? Inside Red paint & Cement in Bottom
 Ditto ditto Outside do

I am of opinion this Vessel should be Classed A1

The amount of the Fee£ 5 : : : is received by me, Senhouse Martindale

Special£ 24 : 12 : :
 Certificate (if required)£ : : : :

Committee's Minute 8th April 1870

Character assigned A1

*(A & C plates metal part double rivetted, of which I witness to their strength the impact is solid)
 I am of opinion this vessel is eligible for classification as recommended with A1 - 31st Dec 1869*