

Yard No 189

7866

446

IRON SHIPS.

2830 Survey held at Sunderland Date

PLAN 1870 Master Preverna

1870

Bl. Laura

Under tonnage deck 457.42

Upper part of or spar deck 23.71

Engine room House 17.34

Master tonnage 492.47

Net tonnage 492.47

Built at Sunderland When built 1870 Launched March 5/70

By whom built Wm. Pile & Co. Owners Richard Hill

Port belonging to Plymouth Destined Voyage Monte Video

Surveyed while Building, Afloat, or in Dry Dock Whilst 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.	N ^o . of Decks
154		27	4	16	6			One
(Dimensions of Ship per Register, length 156-1 breadth 27-35 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		
Stem, if bar iron, moulding and thickness	8 x 2 1/2			6 1/4 - 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		
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		
Space 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		9 26 10-8-8-7		
Reversed Iron, to every frame	2 1/4 2 1/4 6			2 1/4 2 1/2 6		Gunwale Plate or Stringer on ends of Upper Deck Beams, breadth and thickness		
or every alternate frame	2 1/4 2 1/4 6			2 1/4 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 1/4 2 1/4 6			2 1/4 2 1/2 6		Planksheer, materials and scantlings		
Beams, Deck (N ^o . 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 (N ^o . 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 1/4 2 1/4 6			2 1/2 2 1/2 6		Clamps or Spirketting ditto		
" average space between	46 8 2 -			46 8 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 " " " "	- - -			- - -		Stringers in Hold ..		
Keelson, single or double plate, box, or intercostal	18 - 7			18 - 7		Flat of Lower Deck, thickness and material..		
Size of Plates	8 - 8			8 - 8		Main piece of Rudder, diameter at head		
Size of Angle Irons	4 3 6			4 3 6		" " " at heel		
Side, single or double, plate, box, or intercostal	4 3 6			4 3 6		(Can the Rudder be unshipped afloat yes)		
Bilge (No. /) at each Bilge, single, or double, plate, or box	4 3 6			4 3 6		Bulkheads, N ^o . / Thickness of 5/16		

Transoms, material Iron or, if none, in what manner compensated for.

Knight-heads, and Hawse Timbers Iron plates

The Frames extend in one length from Keel to Gunwale rivetted through plates with (3/4 in.) rivets, about (4 1/2) apart

The reverse angle irons on the floors extend in one length across the middle line from Keel to Gunwale rivetted through plates with (3/4 in.) rivets, about (4 1/2) apart

" " " on the frames " " " from Keel to Gunwale rivetted through plates with (3/4 in.) rivets, about (4 1/2) apart

Keelson, how are the various lengths of plates or angle irons connected? With straps & overlaps

Plates, Garboard, double or single rivetted to keel double or single at upper edge, with rivets (3/4 ins.) diameter, averaging (2 1/2 in.) apart.

" Edges from Garboards to upper part of bilge, worked clencher, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 1/2 ins.) apart.

Butts from Keel to turn of bilge, worked carvel with butt straps (9 10.9/10) thick, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 1/2 ins.) apart. Do the butt straps lap over and rivet through the lands of the strake below? Alternate Strakes

" Edges from bilge to sheerstrake, worked carvel with a lining piece () thick, or clencher, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 1/2 in.) apart. Do the butt straps lap over and rivet through the lands of the strake below? Alternate Strakes

" Edges of Sheerstrake, double or single rivetted? At upper edge Double At lower edge Double

" Butts from bilge to planksheers, worked carvel with butt straps (9-26 9-8-7/10) thick, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 1/2 ins.) apart. Breadth of laps in double rivetting (4 1/4) Breadth of laps in single rivetting (2 1/2)

Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted? Double

Planksheer, how secured to the plating of the sides Explain by sketch

Waterway " " planksheer and to the Beams if necessary. Gutter Gunwale

Deck Beams, how secured to the side? Rivetted to Frame & Stringer Plate

Hold or Lower Deck ditto do do do

Number of breasthooks 4 crutches 3

What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.? Angle Plates & Iron

Manufacturer's name or trade mark Beams S. Lyzack & Co. Plate Hartlepool Iron Co

We certify that the above is a correct description of the several particulars therein given.

Builder's Signature W. Hill Surveyor's Signature Senhouse Martindale

