

Rev 30/3/65

Weight under tonnage deck 696.74 Built at Hartlepool When built 1864 Launched 1st October

Deck house 462.71
By whom built J. H. Pile Co
Owners P. H. Spence & Co

Net Register tonnage	1173.70	Port belonging to	Werk Harthol	Destined Voyage	West India
	246.10				
	927.60				

Surveyed while Building, Afloat, or in Dry Dock While Building

Depth aloft	2 1/2		Feet.	Inches.	Depth from top of Upper Deck Beam to top of Floor	Feet.	Inches.	Horse.
Extreme Breadth	2 1/2							

Dimensions of Ship per Register, length 240¹⁰ breadth 26⁶ depth 22²⁵ Deck Beam of top of floor 14⁰ Power of Engines 1010 N^o. of Decks three

	Inches in Ship.	Inches ¹⁰ required per Rule.	Plates in Garboard Strakes, breadth and thickness	In Ship.	In Ship.	per Rule.	per Rule.
1, if bar iron, depth and thickness.....	24 x 2 1/2	✓ 14 x 2 3/4		52	11/16	30	10/11

if plate iron, breadth and thickness	1/2 x 1/2	1/2 x 1/2	Ditto from Garboard to upper part of Bilges..	10/16	2/16
if bar iron, moulding and thickness	9 x 2 1/2	7 x 2 3/4	„ from upper part of Bilge to a perpen-		

if plate iron, breadth and thickness
n-post, if bar iron, moulding and thickness

„ if plate iron, breadth and thickness
of Frames from moulding edge to) 21 ✓ 21

Inches. Inches. 16ths			Inches. Inches. 16ths			Inches. Inches. 16ths		
In. Shin	In. Shin	In. Shin	In. Shin	In. Shin	In. Shin	In. Shin	In. Shin	In. Shin
required required required			required required required			required required required		

Size of Angle Iron, single or double	per ft.	per lb.	per ft.	per lb.	per ft.	per lb.
Reversed Iron (if to every frame)	4 1/2	3	11 1/2	2 1/2	3 1/2	7 1/2
	4 1/2	3	11 1/2	2 1/2	3 1/2	7 1/2

or every other frame.....	9	0	11/16	7	4/16	Gunwale Plate or Stringer on ends of Upper	36	11/16	342	0/16
rs, depth and thickness of Floor Plate at)	21	+	21/16	21	+	Deck Beams, breadth and thickness	5	4	+	0/16
						Angle Iron on ditto				

Ditto	ditto	at Bilge Keelson	9	x	9/16	9	x	9/16	Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways	11	11/16	13 1/2	9/16
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Size of Reversed Angle Iron, and No. <i>one</i> at top of Floor Plate	13	3	7/16	3	28 3/4	6/16	Diagonal Tie Plates on	ditto.....	11	11/16	13 1/2	0/16
Deck (No. <i>1</i>)							Black-lead Plates and scantlings					

Deck (No. 60) double Angle Iron, } 7/2 x 7/16 7/16 x 7/16	2 thicknesses, materials and scuttings	Plank	Plank	Plank
Plate, Tee, or Bulb Iron	Waterway ditto ditto	Plank	Plank	Plank
double	Flat of Upper Deck thickness and material	Plank	Plank	Plank

" double or single Angle Iron } 3 2 1/2 3 1/6 " 2 1/2 3 1/6 Flat or Upper Deck, thickness and material..
on both edge.... }
average space between 1 1/2 inches 4 1/2 inches
" " how fastened to Beams.. 0 1/8 white bolts from the

Hold, or Lower Deck (N ^o 24)	7 1/2	x	7 1/4	7 1/4	+	7 1/4		Ceiling betwixt Decks and in Hold, thickness and material <i>White Pine</i>	2
double Angle, Tee, Plate, or Bulb Iron								Chairs or Scaffolding	ditto

on ~~double~~ ^{single} Angle Iron edge.... 3 3 7/16 3 23/4 8/16

Stringer or Tie Plates fore and aft outside Hatchways, on Hold or Lower Deck, *Double angle*

ness of Plate size of Angle Iron }
Engine " " " " }
Deck Beams }
Stringers in Hold (*Rumble* Angle Iron) }

$\frac{1}{2} \times \frac{3}{8}$
 $5 \times 4 \times \frac{10}{16}$ $\frac{1}{2} \times \frac{3}{8} \times$

on, single or double plate, box, or intercostal	14	x	11/16	15'	x	10/16	10/11	Flat of Lower Deck, thickness and material ..			
Size of Plates								Main piece of Rudder, diameter at head	6	✓	11/8

Size of Angle Irons *Four*..... 5' 4" 0/16 *1 1/2* 3/2 *3/16* " " " at heel 3/2 *2 3/4*

Side, single ord'ble, plate box, or intercostal (Can the Rudder be unshipped afloat *Yes*)

Bilge (No. One) at each Bilge, 5 4 3 2 1
single or double plate, 14 12 10 8 6 or box 11 9 7 5 3

oms, material Plate or, if none, in what manner compensated for. „ how secured to the sides of the ship to single frames & brackets

Frames extend in one length from Reel to gunwale

reverse angle irons on the floors extend in one length across the middle line from top of bulge to top of bulge *offer to house*

on, how are the various lengths of plates or angle iron expressed? by the size of the steel & the number of

Garboard, double or rivetted to keel, double or at upper edge, with rivets (1 1/8 ins.) diameter, averaging (4 1/2 in.) apart.

Edges from Garboards to upper part of bilge, worked clencher, double or ~~single~~ rivetted; with rivets ($\frac{3}{4}$ in.) diameter, averaging ($2\frac{3}{4}$ ins.) apart.

Butts from Keel to turn of bilge, worked carvel with butt straps ($\frac{9}{16} \times \frac{10}{16}$) thick, double ~~or single~~ rivetted; with rivets ($\frac{3}{4}$ in.) diameter averaging $\frac{1}{2}, \frac{3}{4}$ ins.) apart.

Edges from bilge to sheerstrake, worked ~~over~~ with a lining piece () thick, or clench, ~~double~~ or single rivetted; with rivets ($\frac{3}{8}$ in.) diameter

averaging (2 3/4 in.) apart.

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

averaging $2\frac{3}{4}$ ins.) apart. Breadth of laps in double rivetting ($4\frac{1}{2}$) Breadth of laps in single rivetting ($2\frac{3}{4}$)

traps of Keelsons, Stringer and Tie Plates, double ~~or~~ single rivetted? *Double*

Explain by sketch if necessary } 3 in Plank on edge R. Pine

Beams, how secured to the side? With Brackets three plates rivetted to frames & beam ends

Lower Deck ditto	Same as Deck	No. of breasthooks	Five	crutches	Two
" "					

Description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.? *Good* 2079

Manufacturer's name or trade mark Boyle Bros. & Vaughan

_____'s Signature _____

[Handwritten signature]

IRON/438-0200

Workmanship. Are the lands or ribs 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 riveting 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? Solid in one piece

Do the holes for rivetting plate to frames, butt straps, 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 in butts

Her Masts, Bowsprit, Yards, &c., are in Good condition, and sufficient in size and length. (If they are of Iron or Steel give the scantlings of Plating, Angle Irons, &c., and further explain by a Sketch showing how the lower Masts and Bowsprit are constructed, showing the number of Plates and Angle Irons, mode of rivetting, quality of Materials, and if stamped with Maker's name.

404 1/2 Tons

She has SAILS.

CABLES, &c.

ANCHORS, and their weights.

		Fathoms.	Inches.	Tested to Tons.		No.	Weight.	Tested to Tons.
Fore Sails,	Chain	300	1 7/16	44	Bowers	3	25.00	24.50
Fore Top Sails,	Hemp Stream Cable	60	1	10			24.00	24
Fore Topmast Stay Sails,	Hawser	90	0				20.00	22
Main Sails,	Towlines	120	6		Stream,	1	10.00	
Main Top Sails,	Warp	120	5 1/2					
	All of <u>Good</u> quality.	190	5		Kedges,	2	4.50	3.07

Her Standing and Running Rigging Wire Hemp & Manila sufficient in size and Good in quality.

She has Two life boats Long Boat and two Cutters & one life

The present state of the Windlass is Capstan and Rudder Good Pumps Two of Iron

Order for Special Survey	DATES of	1st.	2nd.	3rd.	4th.	5th.
No. <u>103</u>	Surveys held	On the several parts of the frame, when in place, and before the plating was wrought	On the plating during the progress of rivetting	When the beams were in and fastened, and before the decks were laid	When the ship was complete, and before the plating was finally coated	After the ship was launched
Date <u>13th July 1864</u>	while building					
Order for Ordinary Survey	as per					
No. _____	Section 18.					
Date _____						

State if she has a Spar Deck _____ Poop _____ or Forecastle _____

General Remarks, Is fitted with a Spar Deck, frames all to the top height likewise reverse to on every other frame. Beams double angle Irons 6x3x6/16 & 3x2 1/2x5/16. Stringers on ends of 8x36x9/16 angle Irons 4 1/2x5 1/2x7/16. Side plates on beams 11x7/16 Diagonal str. four sets 11x7/16. Side plating 6/16 the sheerstakes 29x0/16, single rivetted at edges double at butts with 3/4 rivets spaced 2 3/4. lower edge of sheerstakes double rivetted. Waterways 11x7 R. Pine. Plating of deck 3 in 1/4 Pine fastened with 0/16 nut bolts from the top.

Intercostal Keelson fitted on each side between bilge & centre Keelson Plates 24x9/16 double angle Irons on top 5x4x0/16.

As additional longitudinal strengthening strake of outside plating below main sheerstakes doubled in length 157 ft. with plates 20x9/16. Main sheerstakes doubled for 3/4 the length with plates 25x7/16. outside strake below spar deck sheerstake doubled for 3/4 the length with plates 20 1/2x6/16 all butts double rivetted.

See Secretary's letter dated 16th July 1864.

Small deck house aft 11 ft. long 10 ft. 2 broad forming cabin & passage to cabin below. Bridge house 13 ft. long with one small cabin & closet on each side with galley in the centre.

In what manner are the surfaces preserved from oxidation? Inside Plat cemented with Portland Cement other parts are

Ditto ditto Outside Three coats of Paint

I am of opinion this Vessel should be Classed A1

The amount of the Fee£ 5 : 0 : - is received by me,

Special£ 50 : 13 : -

Certificate (if required)£ : : -

Committee's Minute 31 March 1865

Character assigned A1

Spar decked

14.9.82

S. J. Glasstone

This vessel appears eligible to be Classed A1 and marked Spar decked
Lloyd's Register
21 Mar 1865

