

IRON SHIPS.

Rec 31/10/64

No. 2403 Survey held at Hartlepool Date 20th October 1864
 on the Screw Steam Brig "Deeponk" Master Woodgate
 Tonnage under tonnage deck 940.44 Built at Hartlepool When built 1864 Launched 1st September
 Ditto of poop on spar deck 140.23 By whom built Deaton Gray & Co Owners John Richie
 Ditto of engine room 130.67
 Total Register tonnage 1062.22 Port belonging to London Destined Voyage Mediterranean
 Surveyed while Building, Afloat, or in Dry Dock Specially surveyed while building

Length aloft	Fect.	Inches.	Extreme Breadth	Fect.	Inches.	Depth from top of Upper Deck Beam to top of Floor	Fect.	Inches.	Power of Engines	Horse.	No. of Decks
240	4		32			24	3	5	200		Two
<i>(Dimensions of Ship per Register, length 245.10 breadth 32 depth 24.70)</i>											

Inches in Ship	Inches.	Inches.	16ths.	16ths.	16ths.
Inches in Ship	Inches.	Inches.	16ths.	16ths.	16ths.
Keel, if bar iron, depth and thickness	9	2	7	0	3
Stem, if bar iron, moulding and thickness	9	2	7	0	3
Stern-post, if bar iron, moulding and thickness	10	5		0	6
Distance of Frames from moulding edge to moulding edge, all fore and aft	21			21	
Frames, Size of Angle Iron, single or double	5	3	8	1/16	3
Floors, depth and thickness of Floor Plate at mid-line	24	x	10	1/16	24
Beams, Deck (No. 67) double Angle Iron, Plate, Tee, or Bulb Iron	0	x	0	1/16	0
Hold, or Lower Deck (No. 47) double Angle, Tee, Plate, or Bulb Iron	0	x	0	1/16	0
Keelson, single or double plate, box, or intercostal	17	x	10	1/16	17
Transoms, material or, if none, in what manner compensated for.					
Planksheer, how secured to the plating of the sides					
Waterway, how secured to the plating of the sides					
Deck Beams, how secured to the side					
Hold or Lower Deck ditto					
Paddle					

Plates in Garboard Strakes, breadth and thickness	Inches.	16ths.	Inches.	16ths.
Plates in Garboard Strakes, breadth and thickness	30	12	1/16	30
Ditto from Garboard to upper part of Bilges			11	1/16
Sheerstrake, breadth and thickness	30	11	1/16	30
Butt Straps to outside plating, breadth and thickness	9 3/4	11	1/16	12 1/16
Gunwale Plate or Stringer on ends of Upper Deck Beams, breadth and thickness	4 1/2	10	1/16	3 1/4
Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways	12	10	1/16	12
Diagonal Tie Plates on ditto	12	10	1/16	12
Waterway ditto ditto	3 3/4	14	1/16	3 1/2
Flat of Upper Deck, thickness and material	10 1/16			10 1/16
Ceiling betwixt Decks and in Hold, thickness and material	2 1/4	2		Red Pine
Stringer Plates on ends of Hold or Lower Deck Beams, breadth and thickness	27	10	1/16	25 1/2
Stringer or Tie Plates fore and aft outside Hatchways, on Hold or Lower Deck Beams	5	4	10	5
Flat of Lower Deck, thickness and material	5 1/2			5 1/2
Main piece of Rudder, diameter at head	5 1/2			5 3/4
Bulkheads, No. 4 Thickness of				7 1/16

The Frames extend in one length from Keel to Gunwale rivetted through plates with (7/10 in.) rivets, about (6 to 7) apart.

The reverse angle irons on the floors extend in one length across the middle line from bilge to bilge alternate frames to gunwale

Plates, Garboard, double or rivetted to keel, double or at upper edge, with rivets (1/10 ins.) diameter, averaging (4 1/2 in.) apart.

Edges from Garboards to upper part of bilge, worked clencher, double or single rivetted; with rivets (7/10 in.) diameter, averaging (3 1/4 in.) apart.

Butts from Keel to turn of bilge, worked carvel with butt straps (9 1/4 x 1/16) thick, double or single rivetted; with rivets (7/10 in.) diameter, averaging (3 1/4 in.) apart. Do the butt straps lap over and rivet through the lands of the strake below? No

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 3/4 in.) apart. Do the butt straps lap over and rivet through the lands of the strake below? No

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

Butts from bilge to planksheers, worked carvel with butt straps (0 1/2 x 10 9/16) thick, double or single rivetted; with rivets (3/4 in.) diameter, averaging (2 3/4 in.) apart. Breadth of laps in double rivetting (5 1/2 in.) Breadth of laps in single rivetting (2 3/4 in.)

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

Planksheer, how secured to the plating of the sides with nut bolts

Waterway, how secured to the plating of the sides if necessary.

Deck Beams, how secured to the side? Beam ends turned + pieces welded

Hold or Lower Deck ditto Same as deck

Paddle, No. of breasthooks Four crutches Three

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

Manufacturer's name or trade mark Hopkins & Co, Mid-Wharfedale & Stockton Iron Works

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

Builder's Signature Deaton Gray & Co Surveyor's Signature J.P. Glendon

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? *They do.*

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 length*

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.)

She has SAILS.		CABLES, &c.			ANCHORS, and their weights.			
No.			Fathoms.	Inches.	Tested to Tons.	No.	Weight.	Tested to Tons.
2	Fore Sails,	Chain	300	1 1/16	57 1/10	3	29.1.15	20.3.0
2	Fore Top Sails,	Hempen Stream Cable	90	1 5/16			20.1.5	27.0.0
2	Fore Topmast Stay Sails,	Hawser	90	0			7.1.20	
2	Main Sails,	Towlines	90	10			24.0.20	24.1.0
1	Main Top Sails,	Warp	90	6		1	12.0.0	
and <i>others as usual all good</i>		All of <i>Good</i> quality.	90	4		2	5.2.0	2.3.4

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

She has *Two life boats Long Boat and Two cutters Pine & Holly do*

The present state of the Windlass is *Good* Capstan *Fine* and Rudder *Good* Pumps *Fine & Good*

Order for Special Survey No. *105* DATES of Surveys held while building as per Section 18. 1st. On the several parts of the frame, when in place, and before the plating was wrought 2nd. On the plating during the progress of rivetting 3rd. When the beams were in and fastened, and before the decks were laid 4th. When the ship was complete, and before the plating was finally coated 5th. After the ship was launched *Once & twice a week between the dates given*

Date *16th Oct. 1863* Date *16th Oct. 1864*

Order for Ordinary Survey No. _____ Date _____

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

General Remarks, *Is fitted with a three deck frames all the top height, reverse bars on alternate frames excepting eighteen frames at fore & after ends. Plating 7/16 single rivetted at edges double at butts with 3/4 rivets spaced 3in. Beams bulb plates 6 1/2 x 7/16 with double angle irons on top edge 2 1/2 x 2 1/2 x 5/16 Stingers on ends of beams 20 x 0/16 angle irons on do. 4 x 3 x 7/16, tie plates outside hatchways 9 x 0/16, three sets of diagonal tie plates 9 x 0/16, waterways 7 1/2 x 10 R Pine. Flat of deck 3/4 y. Pine fastened with 9/16th nut bolts from the top. In lieu of Intercostal Keelsons, plates fitted on top of floors 12 x 10/16 with double angle irons on top 5 x 4 x 10/16. As additional longitudinal strengthening main sheestakes doubled for three fourths the vessels length plates 22 1/2 x 9/16 and Bulb plates fitted between bilge angle irons 0 x 0/16 all fore & aft. Main deck gunwale stingers increased in width for half the length. See Secretary's letters dated 19th Oct. 1863 & 7th May 1864. A small deck house fitted on upper deck 30 ft. before stern post, length 10 ft. width 8 ft. framed with Red & planked with y. Pine.*

In what manner are the surfaces preserved from oxidation? Inside *Plat, cemented with Portland cement & the parts with* Ditto ditto Outside *Three coats of paint.*

I am of opinion this Vessel should be Classed *B*

The amount of the Fee £ *5* : 0 : 0 is received by me, *S. P. Gledhill*

Special £ *69* : 0 : 0

Certificate (if required) £ _____

Committee's Minute *4th November 1864*

Character assigned *B* *(A + D.P) "Spar decked"*

This Spar Decked Iron Screw Steamer appears to be No 6 in Mr's June Report of Ships then building at Hartlepool, which he respectfully begs reference. The Builder was before the Gen Committee in April or May last relative to her construction and the additions then agreed to appear to be adopted. She appears eligible for Class B as recommended above and to be marked "Spar Decked" Nov 1/64