

IRON SHIPS.

No. 1076 Survey held at Cardiff Date 15th September 1850
 on the Screw Steamer B. 6 "Admiral Mordaunt" Master George Prescott
 Tonnage Gross 1017 Engine Room 63 Register 691 Built at Cardiff
 When Built 1850 By whom built John Pile & Co Owners Green & Oriental Steam Navigation Co
 Port belonging to London Destined Voyage Cardiff & Baltic
 If Surveyed 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.
.....	22	3	33	20	220 Two
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	Inches in Ship.	Inches required per Rule.	Inches in Ship.	Inches required per Rule.	Inches in Ship.	Inches required per Rule.	Inches in Ship.	Inches required per Rule.	Inches in Ship.	Inches required per Rule.
Floors, Size of Angle Iron, and No. <u>one</u> at bottom of Floor Plate.....	5	3	9/16	5	3	9/16	5	3	9/16	5
„ depth and thickness of Floor Plate at mid line <u>See Engine room</u>	20	x	9/16	20	x	9/16	20	x	9/16	20
„ depth and thickness of Floor Plate at Bilge Keelson	5	6 in	9/16	5	6 in	9/16	5	6 in	9/16	5
„ Size of Reversed Angle Iron, and No. <u>one</u> at top of Floor Plate..	4	3	7/16	3 1/2	3	7/16	4	3	7/16	3 1/2
Frames, Size of Angle Iron, single or double..	5	3	9/16	5	3	9/16	5	3	9/16	5
„ „ Reversed Iron, if to every frame or every <u>other</u> frame.....	4	3	7/16	3 1/2	3	7/16	4	3	7/16	3 1/2
Beams, Deck (N ^o . <u>70</u>) double Angle Iron or Bulb Iron with double Angle Iron on top	3	3	9/16	3	3	9/16	3	3	9/16	3
„ „ depth & thickness of plate amidships	0	x	9/16	0	x	9/16	0	x	9/16	0
„ „ double or single Angle Iron, on lower edge	36	Inches	36	Inches	36	Inches	36	Inches	36	Inches
„ „ average space between	36	Inches	36	Inches	36	Inches	36	Inches	36	Inches
„ „ if wood (N ^o . <u>in</u>) sided & moulded	3	3	9/16	3	3	9/16	3	3	9/16	3
„ Hold, or Lower Deck (N ^o . <u>52</u>) double Angle Iron or Bulb Iron with double Angle Iron on top	0	x	9/16	0	x	9/16	0	x	9/16	0
„ „ depth & thickness of plate amidships	0	x	9/16	0	x	9/16	0	x	9/16	0
„ „ double or single Angle Iron, on lower edge	36	Inches	36	Inches	36	Inches	36	Inches	36	Inches
„ „ average space between	36	Inches	36	Inches	36	Inches	36	Inches	36	Inches
„ „ if wood (N ^o . <u>in</u>) sided & moulded	3	3	9/16	3	3	9/16	3	3	9/16	3
„ 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	See Keel	-	-	See Keel	-	-	See Keel	-	-	See Keel
„ „ Side or Bilge.....	5	3 1/2	10/16	5	4 1/2	9/16	5	3 1/2	10/16	5
„ Number	Two	-	-	Two	-	-	Two	-	-	Two
Stem, if bar iron, moulding and thickness + at upper part 7 x 3 with two 9/16 plates if plate iron, breadth and thickness on each side making in all at top	9	3 3/4	0 1/2	9	3 3/4	0 1/2	9	3 3/4	0 1/2	9
Stern-post, if bar iron, moulding and thickness if plate iron, breadth and thickness	9 1/4	5	0 1/2	9 1/4	5	0 1/2	9 1/4	5	0 1/2	9 1/4
Keel, if bar iron, depth and thickness with two plates if plate iron, breadth and thickness	29	3/4	0 1/2	29	3/4	0 1/2	29	3/4	0 1/2	29
Garboard Plates, thickness..	1 1/16	1 1/16	1 1/16	1 1/16	1 1/16	1 1/16	1 1/16	1 1/16	1 1/16	1 1/16
From Garboard to upper part of Bilge.....	10 1/16	10 1/16	10 1/16	10 1/16	10 1/16	10 1/16	10 1/16	10 1/16	10 1/16	10 1/16
From upper part of Bilge to Sheerstrakes.....	9 1/16	9 1/16	9 1/16	9 1/16	9 1/16	9 1/16	9 1/16	9 1/16	9 1/16	9 1/16
Sheerstrakes	10 1/16	10 1/16	10 1/16	10 1/16	10 1/16	10 1/16	10 1/16	10 1/16	10 1/16	10 1/16
Breadth & thickness of Butt Straps to outside plating	0 3/4 x 0 1/2 x 1/8	1/8	1/8	0 3/4 x 0 1/2 x 1/8	1/8	1/8	0 3/4 x 0 1/2 x 1/8	1/8	1/8	0 3/4 x 0 1/2 x 1/8
Planksheers	none	-	-	none	-	-	none	-	-	none
Gunwale Plate or Stringer on ends of Up. Dk Beams	20	9/16	19	20	9/16	19	20	9/16	19	20
Angle Iron on ditto.....	4 1/4 x 4 1/4 x 1/8	5 x 4 1/2 x 9/16	5 x 4 1/2 x 9/16	4 1/4 x 4 1/4 x 1/8	5 x 4 1/2 x 9/16	5 x 4 1/2 x 9/16	4 1/4 x 4 1/4 x 1/8	5 x 4 1/2 x 9/16	5 x 4 1/2 x 9/16	4 1/4 x 4 1/4 x 1/8
Waterway	Teak & G.O.	7 1/2 x 15	7 1/2	Teak & G.O.	7 1/2 x 15	7 1/2	Teak & G.O.	7 1/2 x 15	7 1/2	Teak & G.O.
Deck	Yellow Pine	4	3 1/2	Yellow Pine	4	3 1/2	Yellow Pine	4	3 1/2	Yellow Pine
Ceiling in Hold	Red Pine	2 1/2	-	Red Pine	2 1/2	-	Red Pine	2 1/2	-	Red Pine
Ceiling betwixt Decks	none	-	-	none	-	-	none	-	-	none
Beam Clamps	-	-	-	-	-	-	-	-	-	-
„ Shelf	-	-	-	-	-	-	-	-	-	-
„ Stringer Plates on ends of Hold or Lower Dk Beams	20	9/16	19	20	9/16	19	20	9/16	19	20
Ceiling between Decks	none	-	-	none	-	-	none	-	-	none
Stringer or Tie Plates out- side Hatchways	10	0 1/16	10	10	0 1/16	10	10	0 1/16	10	10
Deck Beam Clamps	20	9/16	19	20	9/16	19	20	9/16	19	20
„ „ Shelf	-	-	-	-	-	-	-	-	-	-
Stringers in Hold	5 x 3 1/2 x 1/8	5 x 4 1/2 x 9/16	5 x 4 1/2 x 9/16	5 x 3 1/2 x 1/8	5 x 4 1/2 x 9/16	5 x 4 1/2 x 9/16	5 x 3 1/2 x 1/8	5 x 4 1/2 x 9/16	5 x 4 1/2 x 9/16	5 x 3 1/2 x 1/8
Deck, Lower	Yellow Pine	3	-	Yellow Pine	3	-	Yellow Pine	3	-	Yellow Pine
Deck, Upper, how fastened to Beams	with 9/16 nut bolts from the top	-	-	with 9/16 nut bolts from the top	-	-	with 9/16 nut bolts from the top	-	-	with 9/16 nut bolts from the top

Transoms, material Plate or, if none, in what manner compensated for. 7/16
 Knight-heads „ Teak Bulkheads, No. Four Thickness of 7/16 Plate
 Hawse Timbers „ „ are they free from defects? „ how secured to the sides of the ship to double frames with bracket plates
 „ „ size of vertical angle iron and their distance apart 4 x 3 x 7/16 spaced 30 inches
 The Frames or Ribs extend in one length from Keel to gunwale rivetted through plates with (7/16 in.) rivets, about (7/16) apart.
 The reverse angle irons on the floors extend in one length across the middle line from to six inches above the hold beam stringers.
 „ „ on the frames „ „ from the hold beam to stringer to gunwale on alternate frames.
 Keelson, how are the various lengths of plates or angle irons connected? Butts stopped and rivetted
 Plates, Garboard, double single rivetted to keel & at upper edge, with rivets (1/2 in.) diameter averaging (4 1/2 in.) from centre to centre of rivet.
 „ Edges from Garboards to upper part of bilge, worked carvel with a lining piece (1/2 in.) thick or clench, double single rivetted; rivets (7/16 in.) diameter, averaging (3 1/2 in.) from centre to centre of rivets.
 „ Butts from Keel to turn of bilge, worked carvel with a lining piece (10/16) thick, double single rivetted; rivets (7/16 in.) diameter, averaging (3 1/2 in.) 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 (1/2 in.) thick, double or single rivetted; rivets (7/16 in.) diameter, averaging (3 1/2 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 (9/16) thick, or clench, double single rivetted; rivets (7/16 in.) diameter averaging (3 1/2 in.) from centre to centre of rivets. Breadth of laps in double rivetting (4 1/2 in.) Breadth of laps in single rivetting (2 3/4 in.)
 Planksheer, how secured to the plating of the sides { Explain by sketch, } With nut screw bolts thro. gunwale plates
 Waterway „ „ planksheer and to the Beams { if necessary. } set up below. & clench bolts thro. sheerstrakes.
 Side trussing breadth and thickness of plates how secured? in
 Deck trussing „ „ „ „ Four pairs of diagonal plates from side to side 5 1/2 x 9/16
 Deck Beams, how secured to the side? Bracket knees rivetted to frames
 Hold or Lower Deck „ to same as above
 Paddle „ „ „ „
 No. of breasthooks Five crutches Two how are pointers compensated? Clamp plates running aft
 What description of iron is used for the angle iron and plate iron in the vessel?
Angle by Losh & Co. plates by Bennett from Co. & Whittham from
- Leeds, 3

1710 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? They are

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, 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? all through

Are there any rivets which either break into or have been put through the seams or butts of the plating? A few

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

She has SAILS.		CABLES, &c.		ANCHORS, and their weights.		
N ^o .			Fathoms.	Inches.	N ^o .	Weight.
/	Fore Sails,	Chain	130	1 3/4	Bower,	3 27.2.26
/	Fore Top Sails,	Reopen Stream Cable	70	1		27.0.7
/	Fore Topmast Stay Sails,	Hawser	90	7	Stream,	31.0.22
/	Main Sails,	Towlines	100	9	Kedge,	1 6.2.26
2	Main Top Sails,	Warp	90	6		1 4.0.0
and Jibs Top Gallant &c.		All of <u>Good</u> quality.	80	5		

Her Standing and Running Rigging New Pine & Hemp sufficient in size and Good in quality.

She has Two life Long Boat and Cutter & Skiff

The present state of the Windlass is New &c. Capstan Iron and Rudder New Pumps Two of metal

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	14 th September 1857
	2nd.	On the plating during the progress of rivetting	From the 10 th Sept ^r 1857 to 1 st May 1858
	3rd.	When the beams were in and fastened, and before the decks were laid	10 th Sept ^r 1857
	4th.	When the ship was complete, and before the plating was finally coated	10 th Sept ^r 1858
	5th.	After the ship was launched	September 1858

This vessel has a poop & forecastle, the whole of the frames running to the top height. Plating outside of do 7/16, double rivetted at the butts with 3/4 rivets, Poop deck 3 1/2 in yellow pine, Forecastle do 3 inch do, Beams double angle irons back to back 6x3x9/16 & 4x3x9/16.

John T. J. Co.

Middle plate of keel forms the keelson, see accompanying sketch.

In what manner are the surfaces preserved from oxidation? Three coats of paint.

We are Law of opinion this Vessel should be classed G.A.I.

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

Special£ 50 : 17 : 0

Certificate (if required)£ : :

Committee's Minute 17th September 1858

Character assigned 1 for 9 Years
Built of Iron

S. D. Clackstone
J. Davidson
To be forwarded to Mr. S. D. Clackstone
19, Strand Street, Fenchurch Street

