

1325 IRON SHIPS.

No. 2113 Survey held at Bristol Date 9th April Rec 14/4/56 1857

on the Iron Steam Barge "Clifton" Master E Barron

Tonnage Gross 446 Engine Room 143 Register 303 Built at Bristol

When Built March 1857 By whom built Hotchert & Co. Owners J Edwards & Co.

Port belonging to Bristol Destined Voyage _____

Surveyed Afloat or in Dry Dock During the Building

Length aloft	Feet.	Inches.	Extreme Breadth	Feet.	Inches.	Depth from Beam to top of Floor	Feet.	Inches.	Power of Engines	Horse No.
Length aloft	15	8	22	6		13	8			
Distance between Floors amidships	1	4								
" " " forward and aft	1	4								
" " Ribs amidships	1	4								
" " " forward and aft	1	4								
Floors, Size of Angle Iron, and No. / at bottom of Floor Plate	3 3/4	2 3/4	7/16	3 1/2	2 x 5/16					
" depth & thickness of Plate at mid line	14		7/16							
" " " " at turn of bilge	6									
" Size of Reversed Angle Iron, and No. 2 at top of Floor Plate	2 3/4	2 1/4	3/8	2 1/2	2 x 5/16					
Ribs, Size of Angle Iron, single or double	3 3/4	2 3/4	7/16	3 1/2	2 1/2 x 5/16					
" " Reversed Iron, if to every frame or every alternate frame	2 3/4	2 1/4	3/8	2 1/2	2 x 5/16					
Beams, Deck (N ^o . 22) double or single Angle Iron	3	2 1/2	5/16							
" " depth & thickness of plate amidships	7		7/16							
" " double or single Angle Iron, on lower edge	Bulk iron									
" " average space between	2 ft 2 inches									
" " if wood (N ^o .) sided & moulded										
" Hold, (N ^o . 36) double or single Angle Iron	3	2 1/2	5/16							
" " depth & thickness of plate amidships	7		7/16							
" " double or single Angle Iron, on lower edge	none									
" " average space between	5 ft 4 inches									
" " if wood (N ^o .) sided & moulded										
" Paddle, wood, sided and moulded or if Iron, size of Plate	Screw									
" Engine										
Keelson, wood, sided & moulded, iron, size of plate, if Box, give sketch & dimensions	12		7/16							
" Side or Bilge	4	3	3/8							
" Number	five									

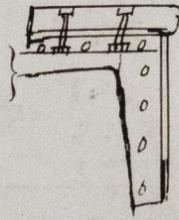
Transoms, material Iron or, if none, in what manner compensated for.
 Knight-heads Teak } are they free from defects? yes
 Hawse Timbers }

The ribs extend in one length from Keel to Gunwale rivetted through plates with (3/4 in.) rivets, about (6 in) apart.
 The reverse angle irons on the floors extend in one length across the middle line from Bilge to Bilge

Keelson, if wood, length of scarp if iron, how are the various lengths connected? two rows of angle iron 4+3+3/8 on top & bottom 5 and butt strips

Plates, Garboard, double or single rivetted to keel, with rivets (1/4 ins.) diameter averaging (3/4 in.) from centre to centre of rivet.
 " edges from Garboards to turn of bilge, worked carvel with a lining piece (3/4 in.) thick, or clencher, double or single rivetted; rivets (3/4 in.) diameter, averaging (2 1/4 ins.) from centre to centre of rivets.
 " butts from Garboards to turn of bilge, worked carvel with a lining piece (9/16) thick, double or single rivetted; rivets (3/4 in.) diameter, averaging (2 1/4 ins.) 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 wales, worked carvel with a lining piece () thick, or clencher, double or single rivetted; rivets (3/4 in.) diameter, averaging (2 1/4 ins.) from centre to centre of rivets.
 " butts from bilge to wales, worked carvel with a lining piece (9/16) thick, double or single rivetted; rivets (3/4 in.) diameter, averaging (2 1/4 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? no
 " edges of wales and to planksheers, worked carvel with a lining piece () thick, or clencher, double or single rivetted; rivets (3/4 in.) diameter averaging (2 1/4 ins.) from centre to centre of rivets.

Planksheer, how secured to the plating of the sides } Explain by sketch, if necessary.
 Waterway " " planksheer and to the Beams }
 Side trussing breadth and thickness of plates how secured
 Deck trussing " " " 10 in - 8/16 " "
 Deck Beams, how secured to the side with knee plates
 Hold " " do
 Paddle " " do
 No. of breasthooks 3 crutches 3 how are pointers compensated? the plates
 What description of iron is used for the angle iron and bar iron in the vessel? calbrookdale



Builder's Signature.

1325 *Ln*

Workmanship. Are the lands or laps of the clenwork in all cases sufficiently wide to take the rivets and support the strain on them? *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 all solid with sliver pieces, or are they in short lengths? *Solid*
 Do the holes for rivetting plate to lining piece, or plate to plate, &c., answer well to each other? *yes* and are the rivet holes 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? *no*
 Was the plating caulked internally in the wake of the frames or ribs? *no*

Her Masts, Yards, &c., are in *good* condition, and sufficient in size and length.

She has SAILS.		CABLES, &c.		ANCHORS, and their weights.	
N ^o .		Fathoms.		Inches.	N ^o .
/	Fore Sails,	80	Chain Hawser	2 1/4	3
/	Fore Top Sails,	250	Chain	1 1/4	1
	Fore Topmast Stay Sails,	90	Hempen Stream Cable	8 1/2	2
/	Main Sails,	90	Hawser	5 1/2	
	Main Top Sails,	90	Towlines	2	4
	and <i>fit all new iron</i>		Warp		
			All of <i>good</i> quality.		

Her Standing and Running Rigging *good* sufficient in size and *good* in quality.

She has *one* Long Boat and *three others*

The present state of the Windlass is *patent* Capstan *bricks* and Rudder *good* Pumps *2*

GENERAL REMARKS.

Statement and date of repairs; extent of corrosion (if any) both internally and externally; and condition of rivets.

Specially Surveyed during the building. Has plates above the Beams on each side, the Hatchways all fore and aft; also diagonal plates riveted to the upper side of the deck beams and stringer plates. The workmanship and materials of the best description.

The chain cables have sustained a tension of twenty five tons

In what manner are the surfaces preserved from oxidation? *paint during the building*

I am of opinion this Vessel should be classed *12A1*

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

Special£ 22 : 6 : -

Certificate (if required)£ : :

Committee's Minute *17 April 1857*

Character assigned *1 for 12 Years*

James Hood

I see no objection to the above

16 April 1857

W. B. Smith



Lloyd's Register Foundation