

6833

Rev 1/2 169

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

Knight-heads, and Hawse Timbers Iron

The Frames extend in one length from Keel to Gunnwale rivetted through plates with ( $\frac{7}{8}$  in.) rivets, about (7 inches) apart

The reverse angle irons on the floors } extend in one length across the middle line from lower deck & to Gunnwale alternately  
" " and on the frames } " " " from \_\_\_\_\_ to \_\_\_\_\_

Keelson, how are the various lengths of plates or angle irons connected? By plate and Angle Iron butt straps

Plates, Garboard, double ~~or~~ rivetted to keel, double ~~or~~ at upper edge, with rivets ( $1\frac{1}{8} + \frac{7}{8}$  ins.) diameter, averaging ( $4 + \frac{1}{2}$  in.) apart.

" Edges from Garboards to upper part of bilge, worked clencher, double ~~or single~~ rivetted; with rivets ( $\frac{7}{8}$  in.) diameter, averaging ( $3\frac{1}{2}$  ins.) apart.

" Butts from Keel to turn of bilge, worked carvel with butt straps ( $\frac{13}{16}, \frac{12}{16}$ ) thick, double ~~or single~~ rivetted; with rivets ( $\frac{7}{8}$  in.) diameter, averaging ( $3\frac{1}{2}$  ins.) 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 living piece (\_\_\_\_) thick, or clencher, double ~~or single~~ rivetted; with rivets ( $\frac{7}{8} + \frac{3}{4}$  in.) diameter, averaging ( $3\frac{1}{2} + 3$  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 Angle Irons double At lower edge double

" Butts from bilge to planksheers, worked carvel with butt straps ( $\frac{11}{16}, \frac{10}{16}, \frac{9}{16}$ ) thick, double ~~or single~~ rivetted; with rivets ( $\frac{7}{8}$  in.) diameter, averaging ( $3\frac{1}{2}$  ins.) apart. Breadth of laps in double rivetting (5 inches) Breadth of laps in single rivetting (\_\_\_\_\_)

Paddle " " \_\_\_\_\_ No. of breasthooks Five crutches Five  
 What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.? Black cast iron  
 Manufacturer's name or trade mark Blachair & Co. Ltd. West Cumberland Iron & Steel Works Ltd.

Builder's Signature Robert Steele Jr. Surveyor's Signature

IRON 443-0299

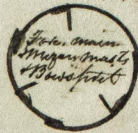


6833 Iron

**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? 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 lengths  
 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? Yes  
 Are there any rivets which either break into or have been put through the seams or butts of the plating? As fast

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. Blackburn Iron & Steel Works, Manchester.)

Masts &c.	Thickness of Plates	Rivetting of butts	Rivetting of Edges	Angle Irons &c.	Diameters
Fore Mast	7/8	Double	Double	4 x 3 x 1/2	3 30 1/2 inches
Main Mast	7/8	"	"	4 x 3 x 1/2	3 30 7/8 "
Mizen Mast	7/8	"	"	4 x 3 x 1/2	3 23 1/2 "
Bowsprit	7/8	"	"	4 x 3 x 1/2	3 29 1/2 "



Tested at Chester Public Proving Machine (near Station) Andrew Jack. Tested at Chester Public Proving Machine (at Station) Andrew Jack.

N <sup>o</sup> .	She has SAILS.	CABLES, &c.	Fathoms.	Inches.	Test as per Certificate.	In. req'd per Rule.	Test req'd per Rule.	ANCHORS &c	N <sup>o</sup> .	Weight. Ex. Stock.	Test as per Certificate.	Wt req'd per Rule.	Test req'd per Rule.
	Fore Sails,	Chain	903.84.8.	150	1 1/2	59.2.0.0	1 1/2	142.0.7.8.	1	32.1.7	30.8.0.0	32.0.0	30.2.0.0
	Fore Top Sails,	Chain	904.55.6.	150	1 1/2	59.2.0.0	1 1/2	149.3.5.	1	32.0.17	30.6.0.0	32.0.0	30.2.0.0
	Fore Topmast Stay Sails	Hempen Stream Cable	83.	90	1 1/2	18.0.0.0	1	151.3.8.	1	27.2.11	26.17.0.0	27.0.23	26.10.0
	Main Sails,	Hawser		90	9		9 1/2	Public Chain & Anchor Testing Machine, Chester. Wm. Dickson					
	Main Top Sails,	Towlines		90	7 1/2		6	Stream					
	and	Warp											
		All of <u>Good</u> quality.											

Her Staying and Running Rigging Good sufficient in size and Good

She has Two Life Boats Long Boat and Pinnace, Jolly Boat & Sloop

The present state of the Windlass is Good with patent purchase and Rudder Good with patent Pumps Good with patent

Order for Special Survey DATES of  
 No. 453 Surveys held  
 Date 20th March 1868 while building  
 Order for Ordinary Survey as per  
 No. \_\_\_\_\_  
 Date \_\_\_\_\_ 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  
Specially surveyed while building from August 1868 to Jan'y 1869 in all 29 visits

State if she has a Spar Deck No Poop Yes or Forecastle Yes

General Remarks, This vessel has been built under special survey as per Order N<sup>o</sup> 453: has a full poop and forecastle with a house on deck for part of crew.

In what manner are the surfaces preserved from oxidation? Inside Portland Cement between floor timbers part of bilges, above these coats of red lead paint  
 Ditto ditto Outside Three coats of Red lead paint, Garum on bottom and black paint on top surfaces.

I am of opinion this Vessel should be Classed A1

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

Feb 11/69 Special .....£ 63 : 14 : ..

X Certificate (if required) .....£ " : .. : ..

Committee's Minute 2nd February 1869

Character assigned A1

H. J. 1800 Mps.

Joseph J. Tucker

This sailing ship built of Iron appears eligible for Classification as recommended by the Lloyd's Register  
2/2/69