

3633 IRON SHIPS.

Survey held at Newcastle Date 14th Dec 1863 to 25th June 1864
 in the Ship "Evelyn Mary" Master Geo. W. Curtis
 Tonnage under tonnage deck 519.42 Built at Newcastle When built 1864 Launched 24 May
 Ditto of poop or spar deck _____ By whom built Richardson & Co Owners J. W. Harris
 Ditto of engine room 109.34
 Total Register tonnage 440.28 Port belonging to Newcastle Destined Voyage Newcastle
 Surveyed while Building, Afloat, or in Dry Dock _____

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.	N ^o . of Decks
181.9	11	24		15.6	16 6	70		2 - Main
Dimensions of Ship per Register, length <u>181.9</u> breadth <u>24</u> depth <u>15.6</u>								
Keel, if bar iron, depth and thickness	Inches in Ship		Inches required per Rule		Plates in Garboard Strakes, breadth and thickness			
if plate iron, breadth and thickness	4 x 2 5/8		4 x 2 1/2		29 10/16 30 10/16			
Item, if bar iron, moulding and thickness	4 x 2 5/8		4 x 2 1/2		Ditto from Garboard to upper part of Bilges			
if plate iron, breadth and thickness	4 x 2 5/8		4 x 2 1/2		from upper part of Bilge to a perpendicular height from upper side of Keel of 3/4ths the entire depth of Hold			
Stern-post, if bar iron, moulding and thickness	4 x 3		4 x 3		from 3/4ths depth of Hold to lower edge of Sheerstrake			
if plate iron, breadth and thickness	4 x 3		4 x 3		Sheerstrake, breadth and thickness 30 1/2 27 10/16 30 10/16 9 1/16			
Distance of Frames from moulding edge to moulding edge, all fore and aft	23		23		Butt Straps to outside plating, breadth and thickness			
Frames, Size of Angle Iron, single or double	4 3 1/16		3 3/4 2 3/4 1/16		9 4 8 10/16 7 1/16 10/16			
Reversed Iron, if to every frame	2 1/2 2 1/2 1/16		3 2 1/2 1/16		Gunwale Plate or Stringer on ends of Upper Deck Beams, breadth and thickness			
every frame	2 1/2 2 1/2 1/16		3 2 1/2 1/16		30 10/16 8 1/16 30 10/16 8 1/16			
Floors, depth and thickness of Floor Plate at mid line	14 1/2 8/16 10 1/16		11 1/2 8/16 10 1/16		Angle Iron on ditto			
Ditto ditto at Bilge Keelson	14 8/16		4 1/2 8/16		Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways			
Size of Reversed Angle Iron, and No. at top of Floor Plate	2 1/2 2 1/2 1/16		3 2 1/2 1/16		10 8/16 10 8/16			
Beams, Deck (N ^o . 30) double Angle Iron, Plate, Tee, or Bulb Iron	4 1/16		1 3/4 1/16		Diagonal Tie Plates on ditto			
double or single Angle Iron, on top edge	2 1/2 2 3/8 5/16		2 1/2 2 1/2 1/16		10 8/16 10 8/16			
average space between	2 1/2 2 1/2 1/16		2 1/2 2 1/2 1/16		Planksheer, materials and scantlings			
Hold, or Lower Deck (N ^o . 29) double Angle, Tee, Plate, or Bulb Iron	3 1/2 10 1/16		3 1/2 10 1/16		Waterway ditto ditto			
double or single Angle Iron on top edge	4 1/16		1 3/4 1/16		Flat of Upper Deck, thickness and material			
average space between	2 1/2 2 1/2 1/16		2 1/2 2 1/2 1/16		how fastened to Beams			
Paddle, sided and moulded, thickness of Plate size of Angle Iron	2 1/2 2 1/2 1/16		2 1/2 2 1/2 1/16		Ceiling betwixt Decks and in Hold, thickness and material			
Engine	2 1/2 2 1/2 1/16		2 1/2 2 1/2 1/16		Clamps or Spirketting ditto			
Keelson, single or double plate, box, or intercostal	2 2 8/16		2 2 8/16		Stringer Plates on ends of Hold or Lower Deck Beams, breadth and thickness			
Size of Plates	13 5/16		2 2 8/16		12 12 1/16 19 8/16			
Size of Angle Irons	4 1/2 3 1/16		4 1/2 3 1/4 1/16		Stringer or Tie Plates fore and aft outside Hatchways, on Hold or Lower Deck Beams			
Side, single or double, plate, box, or intercostal	See Section		See Section		4 x 3 x 1/16			
Bilge (N ^o . 2) at each Bilge, single, or double, plate, or box	4 1/2 3 1/16		4 1/2 3 1/4 1/16		Stringers in Hold			
Transoms, material	Plate		Plate		4 1/2 x 3 1/4 4 1/2 x 3 1/4 1/16			
Knight-heads, and Hawse Timbers	Plate		Plate		Flat of Lower Deck, thickness and material			
The Frames extend in one length from	Keel to Gunwale		rivetted through plates with (3/4 in.) rivets, about (1/2) apart.		Main piece of Rudder, diameter at head			
The reverse angle irons on the floors extend in one length across the middle line	to upper part of Bilges		to Bilge and from thence to upper part of Bilges alternately		4 1/2 4 1/2			
Keelson, how are the various lengths of plates or angle irons connected?	by butt straps		by butt straps (1 1/2 ins.) diameter, averaging (4 1/2 ins.) apart.		(Can the Rudder be unshipped afloat) Yes			
Plates, Garboard, double rivetted to keel, double at upper edge, with rivets (3/4 in.) diameter, averaging (3 ins.) apart.	double or single rivetted; with rivets (3/4 in.) diameter, averaging (3 ins.) apart.		Do the butt straps lap over and rivet through the lands of the strake below? Yes		Bulkheads, N ^o . 3 Thickness of 1/16			
Butts from Keel to turn of bilge, worked carvel with butt straps (70 x 9/16) thick, double or single rivetted; with rivets (3/4 in.) diameter, averaging (3 ins.) apart.	double or single rivetted; with rivets (3/4 in.) diameter, averaging (3 ins.) apart.		Do the butt straps lap over and rivet through the lands of the strake below? Yes		Height up to upper deck			
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 (3 in.) apart.	double or single rivetted? At upper edge		At lower edge		how secured to the sides of the ship to double plates			
Edges of Sheerstrake, double or single rivetted? At upper edge	10 x 8 1/16 1/16		thick, double or single rivetted; with rivets (3/4 in.) diameter, averaging (3 ins.) apart.		size of vertical angle iron and their distance apart - 2 1/2 5/16			
Butts from bilge to planksheers, worked carvel with butt straps () thick, double or single rivetted; with rivets (3/4 in.) diameter, averaging (3 ins.) apart.	Breadth of laps in double rivetting (4 1/2 1/2 1/4)		Breadth of laps in single rivetting (2 7/8)					
Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted?	Planksheer, how secured to the plating of the sides		Waterway, planksheer and to the Beams		Deck Beams, how secured to the side?			
Planksheer, how secured to the plating of the sides	bolted to stringer and side plating		if necessary.		Single plate keels rivetted to plates & beams			
Waterway, planksheer and to the Beams	Deck Beams, how secured to the side?		Hold or Lower Deck ditto		Paddle, No. of breasthooks 4 crutches 4			
Deck Beams, how secured to the side?	Single plate keels rivetted to plates & beams		Hold or Lower Deck ditto		What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.?			
Hold or Lower Deck ditto	Paddle, No. of breasthooks 4 crutches 4		What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.?		Manufacturer's name or trade mark			
Paddle, No. of breasthooks 4 crutches 4	What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.?		Manufacturer's name or trade mark		Duplex, Hopkins & Co. Plating, Sholley & Co.			

We certify that the above is a correct description of the several particulars therein given.
 Builder's Signature Richardson & Co Surveyor's Signature W. Curtis

3633 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, a few clench
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 - a
Do the fillings between the ribs and plates fill in solid with single pieces? or are they in short lengths of various thicknesses? long 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? a few

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.				
N ^o .			Fathoms.	Inches.	Tested to Tons.	N ^o .	Weight.	Tested to Tons.	
<u>the</u>	Fore Sails,	Chain <u>Yest. 28 to 4ms.</u>	240	1 1/4	✓	Bowers,	3	19.2.13	17 1/2
	Fore Top Sails,	Hempen Stream Cable	60	1 3/4	✓		1	19.1.9	17
<u>sent</u>	Fore Topmast Stay Sails,	Hawser	60	5/8	✓		1	15.1.12	13
<u>of</u>	Main Sails,	Towlines	40	7 1/2	✓	Stream,	1	6.0.0	4
<u>and</u>	Main Top Sails,	Warp	40	5 1/2	✓	Kedges,	2	3.0.4	1.1.23
		All <u>of best</u> quality.	140	4	✓				

Her Standing and Running Rigging Complete sufficient in size and good in quality.
She has one life boat - Long Boat and 20 feet - and the 20 feet, 14 feet -
The present state of the Windlass is Complete Capstan 2 inches and Rudder Complete Pumps 3 deck pumps and 2 engine pumps

Order for Special Survey DATES of 1st. On the several parts of the frame, when in place, and before the plating was wrought
No. 438 Surveys held 2nd. On the plating during the progress of rivetting 13 built
Date 21 Nov 1863 while building 3rd. When the beams were in and fastened, and before the decks were laid under
Order for Ordinary Survey as per 4th. When the ship was complete, and before the plating was finally coated Special
No. _____ Section 18. 5th. After the ship was launched Survey
Date _____

State if she has a Spar Deck ✓ Poop break or Forecastle a small one in front

General Remarks, This vessel is similar in all respects to the S.S. "Chapchase" Regit. No 9309, to which the underdeck section was attached, with arrangement of Tank in double bottom, which extends from bulkhead before engine and boiler space, to stern bulkhead. She has likewise a Tank in water ballast in fore and after peaks.

In what manner are the surfaces preserved from oxidation? Inside Red lead. Cemented in bottom
Ditto ditto Outside - do -

I am of opinion this Vessel should be Classed A.1.
The amount of the Fee£ 5 - is received by me, [Signature]
Special£ 28. 10.
Certificate (if required)£ _____

Committee's Minute 28 June 1864
Character assigned B

[Signature]
This Vessel appears eligible for the Class Registered
No. 3633
27 June 1864
Lloyd's Register Foundation

* Name for Registration, for vessel, name of the ship