

IRON SHIPS.

No. 8922 Survey held at Sunderland Date Jan 22 1866
 on the Screw-Steamer "Coburg" Master Mr. Sticker
 Tonnage under tonnage deck 691.00 Built at Sunderland When built 10/6/66 Launched 24 Nov 1866
 Ditto of poop or spar deck 57.69
 Ditto of engine room 240.40 By whom made Mr. Clegg & Co. Owners Royal 4 Co.
 Total Register tonnage 511.01
 Gross Tonnage 757.49 Port belonging to London Destined Voyage Medit.
 Surveyed while Building, Afloat, or in Dry Dock Whell Building, Afloat and in Dry Dock

Length aloft	Foot. Inches.	Extreme Breadth	Foot. Inches.	Depth from top of Upper Deck Beam to top of Floor	Foot. Inches.	Power of Engines	Horse.	N°. of Decks	Two at end
Dimensions of Ship per Register, length 205.9 breadth 39.1 depth 16.9									
Keel, if bar iron, depth and thickness.....				Plates in Garboard Strakes, breadth and thickness					
" if plate iron, breadth and thickness				Ditto from Garboard to upper part of Bilges					
Stem, if bar iron, moulding and thickness				" from upper part of Bilge to a perpendicular height from upper side of Keel of $\frac{1}{3}$ ths the entire depth of Hold					
" if plate iron, breadth and thickness				" from $\frac{2}{3}$ ths depth of Hold to lower edge of Sheerstrake					
Stern-post, if bar iron, moulding and thickness				" Sheerstrake, breadth and thickness					
" if plate iron, breadth and thickness				Butt Straps to outside plating, breadth and thickness					
Distance of Frames from moulding edge to moulding edge, all fore and aft				Gunwale Plate or Stringer on ends of Upper Deck Beams, breadth and thickness					
Frames, Size of Angle Iron, single or double, for upper & lower Reversed Iron, if to every frame, and every stanchion frame.....				Angle Iron on ditto					
Floors, depth and thickness of Floor Plate at mid line				Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways					
" Ditto ditto at Bilge Keelson				Diagonal Tie Plates on ditto					
" Size of Reversed Angle Iron, and No. 142 at top of Floor Plate				Planksheer, materials and seamlings					
Beams, Deck (No. 36) double Angle Iron, Plate, Tee, or Bulb Iron				Waterway ditto ditto					
" double or single Angle Iron, on upper edge				Flat of Upper Deck, thickness and material					
" average space between				" how fastened to Beams					
" Hold, or Lower Deck (No. 24) double Angle, Tee, Plate, or Bulb Iron				Ceiling betwixt Decks and in Hold, thickness and material					
" double or single Angle Iron on upper edge				Clamps or Spirketting					
" average space between				Stringer Plates on ends of Hold or Lower Deck Beams, breadth and thickness					
" Paddle, sided and moulded, thickness of Plate size of Angle Iron				Stringer or Tie Plates for Hatchways, on Deck Beams					
" Engine				Stringers in Hold					
Keelson, single or double plate, box, or intercostal				Flat of Lower Deck, thickness					
" Size of Plates				Main piece of Rudder, diameter					
" Size of Angle Irons				(Can the Rudder be unshipped?)					
" Side, single or double, plate, box, or intercostal				Bulkheads, N°. 6 Thick:					
" Bilge (No.) at each Bilge, single, or double, plate, or box				" Height up to Head					

Transoms, material $\frac{1}{2}$ in. or, if none, in what manner compensated for.

Knight-heads, and Hawse Timbers none

The Frames extend in one length from Keel to Gunwale riveted through plates

The reverse angle irons on the floors extend in one length across the middle line from

on top of the frames

Keelson, how are the various lengths of plates or angle irons connected? With butt straps.

Plates, Garboard, double or riveted to keel, double or at upper edge, with rivets ($\frac{7}{16}$)

Edges from Garboards to upper part of bilge, worked clincher, double or single riveted; with rivets (

Butts from Keel to turn of bilge, worked carvel with butt straps ($\frac{1}{2}$ thick) thick, double or single averaging ($1\frac{1}{2}$ ins.) apart.

Do the butt straps lap over and rivet through

Edges from bilge to sheerstrake, worked carvel with a lining-piece () thick, or clincher, double or

averaging ($2\frac{1}{4}$ in.) apart.

Do the butt straps lap over and rivet through

Edges of Sheerstrake, double or single riveted? At upper edge and double

Butts from bilge to planksheer, worked carvel with butt straps ($\frac{1}{2}$ thick) thick, double or single averaging ($2\frac{1}{2}$ ins.) apart. Breadth of laps in double rivetting () Breadth of laps

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

Double rivets

Planksheer, how secured to the plating of the sides Explain by sketch } see sketch

Waterway" planksheer and to the Beams if necessary.

Deck Beams, how secured to the side? The ends were in iron and riveted to the frame

Hold or Lower Deck ditto The same as above, and part in the ship's side

Paddle" No. of br

What description of Iron is used for the Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plat

Manufacturer's name or trade mark by Bolehow & Vaughan, the place by the

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

Builder's Signature J. D. Miller

Surveyor's Signature J. D. Miller

A manship. Are the riveted edges and butt
Do the edges of the carv
Do the fillings between the ribs
Do the holes for rivetting plate to frames, bolt straps, or plate to plate, &c., conform well to each other?
Are there any rivets which either break into or have been put through the seams or butts of the plating?

5805
the clenchwork in all cases in breadth at least five and a half times the diameter of the rivets in double
and a quarter times the diameter of the rivets where single rivetting is admitted? Yes
buts lay close together throughout their length without requiring any making good of deficiencies? Yes
in solid with single pieces? or are they in short lengths of various thicknesses? Solid with single pieces
conform well to each other? They do 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? very few

Her Masts, Bowsprit, Yards, &c., are of Red Pine ^{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.

Have been produced, issued from the Sunderland public testing machine
and signed by Mr. John Thompson ^{Engineer}

She has SAILS.	CABLES, &c., tested at	Sunderland	ANCHORS, tested at	Sunderland
No.	No. and date on Certificate	Fathoms. Inches. Tested to. Tons.	No. and date on Certificate	Weight. Ex. Stock. Tested to. Tons.
Fore Sails,	Chain 498	270 1/2 40 1/2	Bowers 1	2203 21.2.14 22.1.1.14
Fore Top Sails,	Hempen. 1088	60 1	1	2095 21.0.7.22.3.1.1
Fore Topmast	Stream Cable	80 7	1	2155 19.0.14.19.2.21
Stay Sails,	Hawser	80 10	Stream..... 1	8.3.14
Main Sails,	Towline	80 10	Kedges	2.0.16
Main Top Sails, and	Warp	80 8	2	5.1.0
All of wood quality.	80 6			

Her Standing and Running Rigging of Mizzen & Tackles sufficient in size and good in quality.

She has Two Life Boats Long-Boat and Three Lifers

The present state of the Windlass is new, 2 Capstan, 13 Holes and Rudder & Star Pumps new and good

Order for Special Survey DATES OF SURVEYS held while building
No. 24 Date May 1866 1st. On the several parts of the frame, when in place, and before the plating was wrought
Order for Ordinary Survey as per Section 18. 2nd. On the plating during the progress of rivetting
No. _____ Date _____ 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

Built under
Special Survey
from 1st June 1866
to the present date.

State if she has a Spar Deck No Poop 80' in length or Forecastle 20' in length.

General Remarks,

Double to top of Bilges for upwards of half the length in Manship, and has a wide Keelson, and short flat plate to every alternate frame as shown upon sketch from the fore bulkhead, also from the after bulkhead to the Engine Room. The length through the Engine and Boiler rooms is constructed with flat plates & Boiler sleepers are shown on sketch, and at the ends with middle keel also an extra side keelson. There are 4 feet length of angle iron at middle lines, before and after the double frames. Before the Boiler room, the frames are connected to the steel plates as shown on sketch, with fore and aft angle iron. Your remarks of 15th Aug^t 1866 was not received until the Bilge stink marks being that stink carefully it was found to be full $\frac{1}{2}$ quite as near to $\frac{1}{2}$ as to $\frac{1}{2}$ a large angle iron was introduced as compensation. The brackets shown to fit the frames, floor plates and outside plating. Above the Engine room off, the double bottom is made tight with flange plates and angle iron, as to maintain the longitudinal strength of the vessel by well overlapping the Engine and Boiler sleepers through the bulk heads. To compensate for the depth in the bilge, the sheer strakes are increased $\frac{1}{16}$ in thickness for the Main Deck strake plates $\frac{3}{16}$.

Protected from oxidation? Inside By Cement to Bilges and Paint in other parts
ditto Outside By Paint

Classed A1

is received by me,
John Thompson

February 18

LR-FAF 5A5-2

Witnessed
by the undersigned
to be true and correct
in all respects
Signed J. Thompson
Date 1866