

## IRON SHIPS.

No. 2466 Survey held at Middlebrook Date 19<sup>th</sup> April to 23<sup>rd</sup> October 1865  
On the S.S. "IRON SIDES" Master J Lecky  
Tonnage under tonnage deck 659.84 Built at Middlebrook When built 1865 Launched 6<sup>th</sup> September  
Ditto of poop or open deck 31.24  
Ditto of engine room 177. By whom built Caudlish & Co Glasgow Owners R. Jervis & Co  
Total Register tonnage 5114.08 Port belonging to Liverpool Destined Voyage  
Gross tonnage 601.08  
Surveyed while Building, Afloat, or in Dry Dock While Building for 600 Tons Scale

[illegible]

IRON 438-052



4368 Jm

**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? 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 single pieces

Do the holes for rivetting plate to frames, butt straps, or plate to plate, &c., conform well to each other? They do and are the rivet holes well and sufficiently countersunk in the outer plate? Sufficiently countersunk

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

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.

	Fathoms.	Inches.	Tested to Tons.	No.	Weight Ex. Stock	Tested to Tons.
Fore Sails,	Chain .....	225	1 7/16	3	17.3.20	18 1/2
Fore Top Sails,	Hempen Stream Cable .....	45	1 7/16	1	17.2.0	18 1/2
Fore Topmast Stay Sails,	Hawser .....	90	1 3/4	1	17.1.0	18 1/2
Main Sails,	Towlines .....	90	10"	1	17.0.0	
Main Top Sails,	Warp .....	90	8"	2	3.3.0	
	All of <u>good</u> quality.		6"	2	1.3.0	

Her Standing and Running Rigging White Hemp Manila sufficient in size and good in quality.

She has one Life one Sloop Long Boat and one Cutter and one gig

The present state of the Windlass is Sabat Capstan one and Rudder good Pumps Four Copper Chambers  
Emersons Walkers 2 1/2 5 in. dia. & 2 1/2 3 in. dia.

Order for Special Survey	DATES of	1st.	2nd.	3rd.	4th.	5th.
No. 227	Surveys held	On the several parts of the frame, when in place, and before the plating was wrought	On the plating during the progress of rivetting	When the beams were in and fastened, and before the decks were laid	When the ship was complete, and before the plating was finally coated	After the ship was launched
Date 20 April 65	while building					
Order for Ordinary Survey	as per					
No. _____	Section 18.					
Date _____						

State if she has a Spar Deck 1/2 Poop or Forecastle

General Remarks,

She has a "double bottom" extending from After Engine Room Bulkhead. to Aftermost Bulkhead - frames cut in the way of double Bottom side fore and aft. plates. 24 x 8/16 tapering at after end to 10 x 8/16 - with a Bar of angle iron. 4 1/2 x 4 1/2 x 8/16 on lower edge. close Rivetted thro shell plating - and a Bar of 4 x 3 x 8/16 on top edge - close Rivetted to Tank Top - the plating of which is 6/16 - single Rivetted (3/4 Rivets) and shipped by fore and aft. plates 24 x 6/16 with double angle iron on lower edge 4 x 3 x 8/16 - Rivetted to floor - and single Bar on upper edge 4 x 3 x 8/16 to Tank Top -

She is double at sheerstrakes - by a plate full depth and 9/16 thick and fitted with a Raised Quarter Deck. frames to top height - plating 6/16 Rivets 3/4 - Beams - Bulb. 6 x 6/16 with 2 Bars of angle iron. 2 1/2 x 2 1/2 x 6/16 on top edge - side plates 12 x 8/16 - decks of V. P. 3 1/2 thick. fastened with 1/2 inch BKN from top. Waterways of Deck 12 x 4 1/2 -

She has plates on main & hold Beams have Rivetted on top. Two Bars of angle iron. 5 x 3 x 9/16 Rivetted back to back. Landfill, Port & Starboard

In what manner are the surfaces preserved from oxidation? Inside Bottom cammed all other work  
 Ditto ditto Outside 2 coats of paint inside - 3 out

I am of opinion this Vessel should be Classed B

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

Special £ 34 : 11 : 0

Certificate (if required) £ : :

Committee's Minute 27 October 1865

Character assigned B

A P



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