

IRON SHIPS.

✓ No. 8433 Survey held at Newcastle Date October 12th 18 61.
on the Masked Screw Collier Hawthorned. Master W^m Russel
Tonnage Gross 698, 73 Engine Room 123, 03 Register 575, 70 Built at Newcastle
When Built 1861 By whom built Palmer Brothers. Owners Hugh Taylor.
Port belonging to London Destined Voyage Petersburgh.
Surveyed Afloat or in Dry Dock On the Slip & afloat. Launched 10th Aug^t 61.

[illegible]

IRON 435-0181

2563 En

Workmanship. Are the lands or laps of the clenchwork in all cases in breadth at least five times the diameter of the rivets in double rivetted edges and butts, and at least three 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? good
Do the fillings between the ribs and plates fill in solid with single pieces, or are they in short lengths of various thicknesses? solid pieces
Do the holes for rivetting plate to frames, lining pieces, or plate to plate, &c., conform well to each other? well and are the rivet holes well and sufficiently countersunk in the outer plate? well counter sunk
Are there any rivets which either break into or have been put through the seams or butts of the plating? none seen

Her Masts, Yards, &c., are in good condition, and sufficient in size and length. ✓
She has **SAILS.** **CABLES, &c.**

N ^o .			ANCHORS, and their weights.		N ^o .	Weight.
			Fathoms.	Inches.		
<i>single sails</i>	Fore Sails,	Chain	240	1 7/8	Bower,	3 22.3.10
	Fore Top Sails,	Hempen Stream Cable <i>Hawser</i>	90	1 5/16		17.2.19
	Fore Topmast Stay Sails,	Hawser	90	8	Stream,	1 5.0.23
	Main Sails,	Towlines	90	4		
	Main Top Sails,	Warp	90	5	Kedge,	1 1.3.26
	and <u>well found</u>	All of <u>good</u> quality.				

Her Standing and Running Rigging is sufficient in size and good in quality.
She has a safety Long Boat and stiff
The present state of the Windlass is efficiently Capstan efficiently and Rudder efficiently Pumps efficiently. One to each Compartment - 4 2 Downy Pumps.
two double winches.

General Remarks, Statement and Date of Repairs, extent of corrosion (if any) both internally and externally, and condition of rivets.

DATES of Surveys held while building, as per Section 17. { 1st. On the several parts of the frame, when in place, and before the plating was wrought during the
2nd. On the plating during the progress of rivetting time while
3rd. When the beams were in and fastened, and before the decks were laid under special
4th. When the ship was complete, and before the plating was finally coated survey
5th. After the ship was launched Octr. 1881

This is sister vessel to the 'Sir Jas' Duke Report No. 8420.
And has the Girdler Keelsons and iron Platform for water ballast fitted in the same manner as that vessel & others.

Has been built under Special Survey as Per Order No. 321.

In what manner are the surfaces preserved from oxidation? two coats of red lead inside and outside
a coat of "Peacocks" outside and inside "Days Cement,"
to up 2 turn of ship

I am of opinion this Vessel should be classed C. A. 1.

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

Special£ 34.18 : -

Certificate (X required)£ 0 : - : -

Committee's Minute 15th October 1881

Character assigned A 1 for 6 years

Oct 15/81
She appears eligible for the Class recommended if the Committee are satisfied with the smallest amount of work

Mr John Hume, Coalbrookdale, E.C.

