

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed where practicable*
 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*
 Are the fillings between the ribs and plates solid single pieces? *yes*
 Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *yes 17469 Iron*
 Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? *yes*
 Do any rivets break into or through the seams or butts of the plating? *Very few and in butts only*

Masts, Bowsprit, Yards, &c., are *in good* condition, and sufficient in size and length. If of Iron ~~or steel~~ give 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 riveting, quality of Materials, and if stamped with Maker's name.

State also Length and Diameter of Lower Masts and Bowsprit *Fore Mast 78 feet 10 in x 29 in Main 82.4 x 29*
Mizen 73 feet x 25 in three plates in round 7/16 - 6/16. (Mizen 4 1/2 - 5/16) Edges zig zag Butts twisted
Bowsprit 34 ft. 8 in x 24 in four plates in the round 8/16 to 6/16. Edges zig zag. Butts. Twisted and made up

NUMBER for EQUIPMENT		Fathoms.	Inches.	Test per Certificate.	Length & Size req'd per Rule.	Test req'd per Rule.	ANCHORS.	No.	Weight. Ex. Stock.	Test per Certificate.	W'ght req'd per Rule.	Test req'd per Rule.	
SAILS.		CABLES, &c.		27 1/2	1 3/4	55.125	270 1 3/4	55 1/8	Bowers	31.1.20	29 1/2	30	28 1/2
No.	SAILS.	CABLES, &c.		Breaking Strain		77.8 Iron				30.0.2	28 1/2	30	28 1/2
	Fore Sails,	Chain		Clyde & T. H. 13 Oct 76		76. 10. 1/2		Clyde & T. H. 5 March 75. 13 Oct. 76.		25.2.9	25 5/20	25 1/2	25 4/20
	Fore Top Sails,	Hawser ...		91 3/4		15 1/16		90. 15/16 or 10"		87.0.5	William	12	
	Fore Topmast Stay Sails	Towlines ...		90 - 9 1/2		90. 9		90. 5 1/2		12.2.18		6	
	Main Sails,	Warp ...		90 - 3 1/2		90. 5 1/2		90. 5 1/2		6.0.3		3	
	Main Top Sails,	quality		good		to 4.				3.0.0			

Standing and Running Rigging *Wire Main* sufficient in size and *good* in quality. She has *2 life long* Boats and *four* others.
 The Windlass is *Barfield's patent* Capstan *rollers* and Rudder *good* Pumps *two* such with bars chambered.

Engine Room Skylights. How constructed? *How secured in ordinary weather?*

Coal Bunker Openings. How constructed? *How are lids secured?* *Height above deck?*

Scuppers, &c.—What arrangements for clearing upper deck of water, in case of shipping a sea? *five square ports on each side*

Cargo Hatchways.—How formed? *Iron coming*
 State size Main Hatch *14.2 x 11.1* Forehatch *7.9 x 6.2* Quarterhatch *8 feet x 7.7*

If of extraordinary size, state how framed and secured? *Bulk Iron and angles.*

What arrangement for shifting beams? *yes.*

Order for Special Survey No.	Date	1st.	2nd.	3rd.	4th.	5th.
1174	June 5/76	On the several parts of the frame, when in place, and before the plating was wrought	On the plating during the process of riveting	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 or cemented..	After the ship was launched and equipped
		July 30, June 13. 23. 27. 30 July 4. 11. 24. 28.	31 Aug. 7. 9. 18. 22. 28 Sept. 1. 7. 11. 15. 18.	21. 25. 28 October 2. 5. 9. 12. 20. 23. 27. 31	June 3. 7. 9. 13. 17. 23. 25 Decr 6. (1876)	

General Remarks (State quality of workmanship, &c.) *Iron yards -*
Fore Main yards 76 feet x 19 in 3/16 plates in round 6/16. 4/16. Edges zig zag and
Iron Lower Topmast 62 - x 15 - 5/16 - 3/16. Butts twisted

The main piece of Rudder is 5 1/8 instead of 5 1/4 in dia. required & *on calling attention to this deficiency - Builders after investigation state that the mould of Rudder had shrank and the Ironman smith unfortunately made Rudder from the shrunken mould without referring to size on section. With this exception she has been constructed in accordance with approved midship section herewith. I will brief and state in my opinion of the class recommended below -*

State if one, two, or three, decked vessel, or if spar, or wearing decked; and the lengths of poop, forecabin, or raised quarter deck, and the length of double, or part double bottom. *46.9 29 feet*
 How are the surfaces preserved from oxidation? Inside *Cement in bottom Paint above* Outside *Paint.*

I am of opinion this Vessel should be Classed *100 A.1.*

The amount of the Entry Fee ... £ 5 : " : " is received by me, *Dec 5th*
 Special ... £ 51 : 18 : " Dec 1876
 Certificate ... *Printed*

Committee's Minute *8th December 1876*

Character assigned *100A*
TRM

