



**Workmanship.** Are the butts of plating planed or otherwise fitted? Planed  
 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  
 Do the fillings between the ribs and plates fill in solid with single pieces? or are they in short lengths of various thicknesses? Solid in one length  
 Do the holes for riveting 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 plate and punched from the faying surfaces? Yes  
 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 riveting, quality of Materials, and if stamped with Maker's name.

State also Length and Diameter of Lower Masts and Bowsprit Main Mast 61 ft. 4 in Diameter 19 in  
Fore Mast 69 ft. 9 in Diameter 19 in

See Secret copy letter 20th Jan. 1871

Number for equipment	Fathoms.	Inches.	Test as per Certificate.	In. req'd per Rule.	Test req'd per Rule.	ANCHORS, &c.	No.	Weight. Ex. Stock.	Test as per Certificate.	W'ght req'd per Rule.	Test req'd per Rule.
<b>SAILS.</b>											
Fore Sails,						Bowers ....	3	16-3-7	10-1-3-16	15-1-0	16-14-0-0
Fore Top Sails,								16-3-0	10-0-2-14	15-1-0	16-14-0-0
Fore Topmast Stay Sails								14-1-14	15-17-2-0	13-0-0	14-15-0-0
Main Sails,						Stream					
Main Top Sails,											
and						Kedges ....	2	3-2-0		3-1-0	1-3-0

Her Standing and Running Rigging Wire & Hemp sufficient in size and Good in quality. She has Power Long Boat and

The present state of the Windlass is Good Patent Capstan and Rudder Good Pumps Two of Iron 6 inch.

Engine Room Skylights.—How constructed? 4 in Pine, 1/2 Plating for essing How secured in ordinary weather? Bulls Eyes

What arrangements are there for deadlights in such for bad weather? Bulls Eyes

Coal Bunker Openings.—How constructed? Iron Pipes How are lids secured? Leads How high above deck? 14 inches

Scuppers, &c.—What arrangements are there beyond the scuppers on deck, for clearing upper deck of water, in case of a sea coming on board?  
Scupper ports & ports in bulwark

Cargo Hatchways.—How formed? 7/16 Plate height above deck 3 1/4 State size 22 ft. x 11 ft. + 10 ft. x 10 ft.

If of extraordinary size, state how framed and secured?

What arrangement for shifting beams? 7/16 Plate in the centre, the whole depth of beams, with Double Angles on top

Hatches, themselves, whether strong and efficient? Good Main Hatchways.—State size 22 ft. x 11 ft.

Order for Special Survey No. 361 DATES of 1st. On the several parts of the frame, when in place, and before the plating was wrought  
 Date 10th Dec 1870 Surveys held 2nd. On the plating during the progress of riveting  
 Order for Ordinary Survey No. while building 3rd. When the beams were in and fastened, and before the decks were laid  
 Date as per 4th. When the ship was complete, and before the plating was finally coated or cemented  
 No. 112 in builder's yard. Section 18. 5th. After the ship was launched and equipped

**General Remarks,** Is fitted with Raised Quarter Deck frames all to the top height. Beams built 6 1/2 x 7/8. Double angles on top edges 2 1/2 x 2 1/2 x 7/8. Stinger plates on ends 3 1/4 x 7/8 angles on do. 4 1/2 x 3 1/2 x 7/8. Tie plates 12 1/2 x 7/8. Deck 3 1/4 Pine. Shell plating outside 7/8. Forecastle frames all to the top height, beams single angled 4 1/2 x 3 1/2 x 7/8 three of them built 6 1/2 x 7/8 with angles on top edges 4 1/2 x 3 1/2 x 7/8. Stingers on ends of beams 10 x 7/8 angles on do. 3 x 3 x 7/8 tie plates 8 x 7/8 plating outside 7/8 Waterways 10 x 9 Pine. Deck 3 in. 7 Pine. Water ballast tanks fitted in fore & after hold, frames cut off connection made with knee plates. top & bottom of side plates. Side plates 9/16 angle Irons 3 1/2 x 3 1/2 x 7/8. Web plates 9/16 angles on do. 3 x 3 x 7/8, top plating 5/16. Iron main deck fitted over Engine & boiler space 7/8 plate riveted to beams, length 46 ft.

*Charles Gray & Co*

State if one, two or three decked vessel, or if spar or awning decked, and lengths of poop, forecabin, or raised quarter deck, or of double or part double bottom.  
 In what manner are the surfaces preserved from oxidation? Inside Plat cemented with Portland Outside with Paint & black bands

I am of opinion this Vessel should be Classed 90 A1  
 The amount of the Entry Fee ..... £ 5 : 0 : 0 is received by me,  
 Special ..... £ 40 : 10 : 0  
 Certificate .... : :  
*Man M.C.*

(Travelling Expenses) (if any) £  
 Committee's Minute 16th May 1871  
 Character assigned 90A1  
 I concur in the opinion that this vessel should be classed 90A1  
 Part double bottom 15/5/71

