

Port of HullReceived at London Office 10 MAY 1905

No. in Survey held at Hull Date, first Survey Nov 10/04 Last Survey May 4<sup>th</sup> 1905  
 Reg. Book. 56 Supp on the Shel Se K. Gamecock (Number of Visits 4.8)  
 Master Goole Built at Goole By whom built Goole S B Rpg Co Tons 171  
 Engines made at Hull By whom made Messrs Charles D. Holmes & Co when made 1905  
 Boilers made at Hull By whom made Messrs Charles D. Holmes & Co when made 1905  
 Registered Horse Power 51 Owners Messrs Kelsall Bros Beeching Port belonging to Hull  
 Nom. Horse Power as per Section 28 51 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted No

ENGINES, &c.—Description of Engines Tri Compound No. of Cylinders 3 No. of Cranks 3  
 Dia. of Cylinders 12" - 18" - 30" Length of Stroke 21" Revs. per minute 114 Dia. of Screw shaft 6 3/4" Material of Iron  
 Is the screw shaft fitted with a continuous liner the whole length of the stern tube Yes Is the after end of the liner made water tight  
 in the propeller boss Yes If the liner is in more than one length are the joints burned burned If the liner does not fit tightly at the part  
 between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive If two  
 liners are fitted, is the shaft lapped or protected between the liners plain Length of stern bush 21"  
 Dia. of Tunnel shaft 5 1/2" as per rule 5.52 Dia. of Crank shaft journals 5 1/2" as per rule 5.85 Dia. of Crank pin 6" Size of Crank webs 11 1/2" x 4 1/2" Dia. of thrust shaft under  
 collars 6" as fitted 5 3/4" Dia. of screw 8'-0" Pitch of screw 11'-0" x 10'-0" No. of blades 4 State whether moveable No Total surface 25 1/4 sq ft  
 No. of Feed pumps One Diameter of ditto 2 1/2" Stroke 10 1/2" Can one be overhauled while the other is at work  
 No. of Bilge pumps One Diameter of ditto 2 1/2" Stroke 10 1/2" Can one be overhauled while the other is at work  
 No. of Donkey Engines One Sizes of Pumps 2 1/4" x 4" No. and size of Suctions connected to both Bilge and Donkey pumps  
 In Engine Room One 2" In Holds, &c. One two each to sluish well  
Ejector suction from E. C. bilge & hold, with discharge on deck  
 No. of bilge injections 1 sizes 3" Connected to condenser, or to circulating pump pump Is a separate donkey suction fitted in Engine room & size Yes 2"  
 Are all the bilge suction pipes fitted with roses Yes Are the roses in Engine room always accessible Yes Are the sluices on Engine room bulkheads always accessible None  
 Are all connections with the sea direct on the skin of the ship Yes Are they Valves or Cocks both  
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Yes Are the discharge pipes above or below the deep water line above  
 Are they each fitted with a discharge valve always accessible on the plating of the vessel Yes Are the blow off cocks fitted with a spigot and brass covering plate Yes  
 What pipes are carried through the bunkers Hold suction How are they protected wood casing  
 Are all pipes, cocks, valves, and pumps in connection with the machinery and all boiler mountings accessible at all times Yes  
 Are the bilge suction pipes, cocks, and valves arranged so as to prevent any communication between the sea and the bilges Yes  
 When were stern tube, propeller, screw shaft, and all connections examined in dry dock before launching Is the screw shaft tunnel watertight None  
 Is it fitted with a watertight door worked from

BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 902 sq ft Is forced draft fitted No  
 No. and Description of Boilers One Cyl. Mulli Working Pressure 160 lbs Tested by hydraulic pressure to 320 lbs  
 Date of test 9.3.05 Can each boiler be worked separately Area of fire grate in each boiler 25 sq ft No. and Description of safety valves to  
 each boiler Two Spring Area of each valve 3.9 sq in Pressure to which they are adjusted 165 lbs Are they fitted with easing gear Yes  
 Smallest distance between boilers or uptakes and bunkers or woodwork 11 1/2" Mean dia. of boilers 10'-7 1/2" Length 9'-6" Material of shell plates Steel  
 Thickness 13/16" Range of tensile strength 29-32 tons Are they welded or flanged Descrip. of riveting: cir. seams L. D. long. seams D. B. S. I. R.  
 Diameter of rivet holes in long. seams 2 7/8" Pitch of rivets 6 3/16" Lap of plates or width of butt straps 14 1/4"  
 Per centages of strength of longitudinal joint 88.9 plate 85.8 Working pressure of shell by rules 166 lbs Size of manhole in shell 16" x 12"  
 Size of compensating ring 7" x 13/16" No. and Description of Furnaces in each boiler Two plain Material Steel Outside diameter 34"  
 Length of plain part 6'-0" Thickness of plates 21" 32 Description of longitudinal joint Welded No. of strengthening rings None  
 Working pressure of furnace by the rules 182 lbs Combustion chamber plates: Material Steel Thickness: Sides 21/32" Back 21/32" Top 5/8" Bottom 21/32"  
 Pitch of stays to ditto: Sides 9" x 8 1/2" Back 9" x 9" Top 8 1/2" If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 183 lbs  
 Material of stays Steel Diameter at smallest part 1 5/8" Area supported by each stay 81 sq in Working pressure by rules 230 lbs End plates in steam space:  
 Material Steel Thickness 15/16" Pitch of stays 15" x 15" How are stays secured D. N. W. Working pressure by rules 185 lbs Material of stays Steel  
 Diameter at smallest part 2 1/4" Area supported by each stay 225 sq in Working pressure by rules 211 lbs Material of Front plates at bottom Steel  
 Thickness 3/4" Material of Lower back plate Steel Thickness 3/4" Greatest pitch of stays 12" Working pressure of plate by rules 172 lbs  
 Diameter of tubes 3" Pitch of tubes 4 1/2" x 4 3/8" Material of tube plates Steel Thickness: Front 3/4" Back 3/4" Mean pitch of stays 8 1/2" - 8 3/4"  
 Pitch across wide water spaces 14" Working pressures by rules 211 lbs Girders to Chamber tops: Material Iron Depth and  
 thickness of girder at centre 7 1/4" x 1 1/2" Length as per rule 2'-0 1/2" Distance apart 7 1/2" Number and pitch of Stays in each 2 - 8 1/2"  
 Working pressure by rules 274 lbs Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked  
 separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet  
 holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness  
 If stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed  
 Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

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**DONKEY BOILER—** No. \_\_\_\_\_ Description \_\_\_\_\_

Made at \_\_\_\_\_ By whom made \_\_\_\_\_ When made \_\_\_\_\_ Where fixed \_\_\_\_\_

Working pressure \_\_\_\_\_ tested by hydraulic pressure to \_\_\_\_\_ No. of Certificate \_\_\_\_\_ Fire grate area \_\_\_\_\_ Description of safety valves \_\_\_\_\_

No. of safety valves \_\_\_\_\_ Area of each \_\_\_\_\_ Pressure to which they are adjusted \_\_\_\_\_ If fitted with easing gear \_\_\_\_\_ If steam from main boilers can enter the donkey boiler \_\_\_\_\_

Dia. of donkey boiler \_\_\_\_\_ Length \_\_\_\_\_ Material of shell plates \_\_\_\_\_ Thickness \_\_\_\_\_ Range of tensile strength \_\_\_\_\_

Descrip. of riveting long. seams \_\_\_\_\_ Dia. of rivet holes \_\_\_\_\_ Whether punched or drilled \_\_\_\_\_ Pitch of rivets \_\_\_\_\_

Lap of plating \_\_\_\_\_ Per centage of strength of joint \_\_\_\_\_ Rivets \_\_\_\_\_ Thickness of shell crown plates \_\_\_\_\_ Radius of do. \_\_\_\_\_ No. of Stays to do. \_\_\_\_\_

Dia. of stays \_\_\_\_\_ Diameter of furnace Top \_\_\_\_\_ Bottom \_\_\_\_\_ Length of furnace \_\_\_\_\_ Thickness of furnace plates \_\_\_\_\_ Description of joint \_\_\_\_\_

Thickness of furnace crown plates \_\_\_\_\_ Stayed by \_\_\_\_\_ Working pressure of shell by rules \_\_\_\_\_

Working pressure of furnace by rules \_\_\_\_\_ Diameter of uptake \_\_\_\_\_ Thickness of uptake plates \_\_\_\_\_ Thickness of water tubes \_\_\_\_\_

**SPARE GEAR.** State the articles supplied:— *Two each top bottom end connecting rod bolts and nuts, two main bearing bolts nuts, one set coupling bolts & nuts, one set each air, circulating, feed, bilge pump valves, & a quantity of assorted bolts nuts etc.*

*The foregoing is a correct description,*  
*Charles D. Holmwood* Manufacturer.

Dates of Survey while building { During progress of work in shops— 1904:— Nov 10. 18. 30. Dec 5. 9. 12. 16. 20. 21 1905:— Jan 4. 5. 11. 12. 18. 19. 20. 25. 26. Feb. 2. 3. 7. 13. 14. 15. 16. 22. 23. 27. Mar 2. 7. 9. 11. 13. 16. 17. 18. 22. 23. Apr 7. 8. 10. 12. 13. 15. 18. 19. May 4. }  
 During erection on board vessel —  
 Total No. of visits 48  
 Is the approved plan of main boiler forwarded herewith Yes

**General Remarks** (State quality of workmanship, opinions as to class, &c. *The machinery boiler of this vessel have been inspected throughout construction in accordance with the Society's Rules. The materials and workmanship are good. The boiler tested by hydraulic pressure and with the engines placed on board and tested under steam. They are now in good order, & safe working condition, and respectfully submitted as being eligible in my opinion to be classed with the notification of \* L. M. C. 5.05 in the Register Book.*

*It is submitted that this vessel is eligible for THE RECORD L.M.C. 5.05.*

*J.E.L.*  
*10.5.05*  
*Emil*  
*10.5.05*

The amount of Entry Fee. . . £ 1 : : :  
 Special . . . £ 8 : : :  
 Donkey Boiler Fee . . . £ : : :  
 Travelling Expenses (if any) £ : 3 : : :  
 When applied for, 9/5/1905  
 When received, 31.5.05

*James Barclay*  
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute  
 Assigned  
 + Lmc 5.05