

DONKEY BOILER— No. *one* Description *Cylindrical multibulbular, two plain furnaces*
 Made at *Stockton* By whom made *Piley Bros.* When made *3.12.01* Where fixed *on deck*
 Working pressure *80 lb* tested by hydraulic pressure to *160* No. of Certificate *2648* Fire grate area *23.74* Description of safety valves *direct spring*
 No. of safety valves *two* Area of each *7.0* Pressure to which they are adjusted *80 lb* If fitted with easing gear *yes* If steam from main boilers can enter the donkey boiler *no* Dia. of donkey boiler *9'-0"* Length *8'-6"* Material of shell plates *Steel* Thickness *1/2"* Range of tensile strength *27-32* Descrip. of riveting long. seams *Hi Rise Lap* Dia. of rivet holes *15/16* Whether punched or drilled *dr* Pitch of rivets *4 1/8"*
 Lap of plating *6 1/2"* Per centage of strength of joint *77.3%* Rivets *85-90* Thickness of shell plates *3/4* Radius of do. *pitch* No. of Stays to do. *17 x 16 1/2*
 Dia. of stays *2 1/8" eff* Diameter of furnace *31"* Bottom *clw. ch* Length of furnace *5'-4"* Thickness of furnace plates *7/16* Description of joint *weld* Thickness of furnace plates *3/32* Stayed by *1 1/8" eff ss 8 1/4" Riv* Working pressure of shell by rules *83.7 lb*
 Working pressure of furnace by rules *80 lb* Diameter of tubes *3 1/2"* Thickness of tubes *3/16* Thickness of water tubes *7/16*

SPARE GEAR. State the articles supplied: *Two top end bolts and nuts, two bottom end bolts and nuts, two main bearing bolts and nuts, spare coupling bolts and nuts, assorted iron bolts and nuts,*

The foregoing is a correct description,

John G. Medley Manufacturer.

Dates of Survey while building
 During progress of work in shops - -
 During erection on board vessel - -
 Total No. of visits *18*
Number - *January* 1901. Aug. 29 Sept. 3, 11, 12, 15. Oct. 15, 17, 30. Nov. 7, 11, 12, 19, 24, 29. Dec. 9, 17.
 1902. - *January* 16, 21.

Is the approved plan of main boiler forwarded herewith *no*

Scantlings duplicate of Darwin donkey

General Remarks (State quality of workmanship, opinions as to class, &c.)

Material of screw shaft *cast 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
 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 *yes* If two liners are fitted, is the shaft lapped or protected between the liners

The machinery built under Special Survey the material and workmanship found good and efficient.

The main boilers and steam pipes tested under hydraulic pressure to 320 lbs per square inch and found sound and efficient in every respect at that pressure.

The engines tried under steam at their working pressures & found satisfactory.

In my opinion this vessel is worthy of the notation L.M.C. 1.02 to be made in the Register Book.

It is submitted that this vessel is eligible for THE RECORD - L.M.C. 1.02

The amount of Entry Fee. £ *2* : When applied for, *5.2.02*
 Special £ *33* : :
 Donkey Boiler Fee £ : :
 Travelling Expenses (if any) £ : :
 When received, *6.2.02*

Committee's Minute

FRI, FEB 7 1902

Assigned

Leonard Challers
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.



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