



**DONKEY BOILER**— Description *Vertical with four cross water tubes.*  
 Made at *Stockton* By whom made *Kiley Bros.* When made *27/5/98* Where fixed *In Stakehold.*  
 Working pressure *80 lbs* tested by hydraulic pressure to *160 lbs.* No. of Certificate *1707.* Fire grate area *216* Description of safety valves *Direct Spring.*  
 No. of safety valves *one* Area of each *110 sq.* Pressure to which they are adjusted *82 lbs.* If fitted with easing gear *Yes.* If steam from main boilers can enter the donkey boiler *No.* Diameter of donkey boiler *6'6"* Length *14'6"* Material of shell plates *Steel.* Thickness *7/16"*  
 Description of riveting long. seams *Lap double riveted* Diameter of rivet holes *5/16"* Whether punched or drilled *punched* Pitch of rivets *3/4"*  
 Lap of plating *1/4"* Per centage of strength of joint Rivets *82* Thickness of shell crown plates *1 1/2"* Radius of do. *5ft.* No. of Stays to do. *4*  
 Dia. of stays. *1 1/2"* Diameter of furnace Top *4'11"* Bottom *5'6 1/2"* Length of furnace *5'3 1/2"* Thickness of furnace plates *1 1/2"* Description of joint *Lap.* Thickness of furnace crown plates *1 1/2"* Stayed by *As above* Working pressure of shell by rules *88 lbs.*  
 Working pressure of furnace by rules *84 lbs.* Diameter of uptake *18"* Thickness of uptake plates *7/16"* Thickness of water tubes *3/8"*

**SPARE GEAR.** State the articles supplied:— *2 Main Bearing Bolts, 2 Cross head Bolts, 2 Crank pin Bolts, 1 set Coupling Bolts, 1 set Feed & Belge pump valves, 1 set piston Spring, Bolts, Nuts & Iron garrons sizes.*

The foregoing is a correct description,

Manufacturer.

*D. Morrison & Jackson*

Dates of Survey while building  
 During progress of work in shops— *1897. Oct. 29. Nov. 19. 24. 29. Dec. 9. 14. - 1898 - Jan. 11. 20. 24. Feb. 1. 10. 15. 24. March 1. 7. 18.*  
 During erection on board vessel— *April 1. 13. 19. 26. May 3. 11. 17. 24. June 6. 13. 16. 24. 27.*  
 Total No. of visits *29.*

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

*The Engines and boiler of this vessel have been built under special survey and the materials and workmanship are good. The machinery is now in good and efficient condition throughout and eligible in my opinion to have the notation of **L.M.C. 4, 98.** marked in the Society's Register Book.*

It is submitted that this vessel is eligible for THE RECORD. *L.M.C. 4, 98*

*H.A.*  
*18/7/98*

The amount of Entry Fee. . . £ *2* : . . .  
 Special . . . . . £ *23* : *8* : . . .  
 Donkey Boiler Fee . . . . . £ : : . . .  
 Travelling Expenses (if any) £ : : . . .

When applied for,

*13. 7. 18. 98.*

When received,

*29. 9. 98.*

*Wm. Austin*  
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute

TUES. 19 JUL 1898

MACHINERY CERTIFICATE WRITTEN.

Assigned

*+ L.M.C. 4, 98*



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Glasgow

Certificate (if required) to be sent to

The Surveyors are requested not to write on or below the space for Committee's Minute.