



**DONKEY BOILER**— No. *One*. Description *Blake's patent (wet back).*  
 Made at *Middlesbro'* By whom made *Sir C. Furness, Westgarth & Co. Ltd* When made *28.6.00* Where fixed *Stokehold*  
 Working pressure *80*. tested by hydraulic pressure to *160*. No. of Certificate *2239*. Fire grate area *25 1/2*. Description of safety valves *Spring*  
 No. of safety valves *2* Area of each *5.90* Pressure to which they are adjusted *83 lbs* If fitted with easing gear *Yes* If steam from main boiler  
 enter the donkey boiler *No* Dia. of donkey boiler *4' 6"* Length *16' 3"* Material of shell plates *S.* Thickness *3/8"* Range of  
 strength *32* Descrip. of riveting long. seams *D. 19. lap.* Dia. of rivet holes *1 1/16"* Whether punched or drilled *Milled* Pitch of rivet  
 Lap of plating *4 1/2* Per centage of strength of joint Rivets *1 1/2 x 1* Thickness of shell crown plates *3/8"* Radius of do. *Amie's* No. of Stays to do  
 Dia. of stays. *✓* Diameter of furnace Top *29 1/2"* Bottom *68"* Length of furnace *60"* Thickness of furnace plates *5/8"* Descrip.  
 joint *Lap Single.* Thickness of ~~furnace crown~~ plates *3/8"* Stayed by *1 1/2" off. S. stays, 10 1/2" x 8 1/2" pitch* Working pressure of shell by rules *80*  
 Working pressure of furnace by rules *93.4* Diameter of ~~uptake~~ tubes *2 1/2"* Thickness of ~~uptake~~ plates *F. 3/8" B. 5/8"* Thickness of ~~water~~ tubes *5/16"*

**SPARE GEAR.** State the articles supplied:— *To Rule requirements, & in addition. 1 propeller; 10 valves for  
 to suit either Eng: 1 Air & 1 Air: pump rod & bucket; 1/2 set each Air & Air: pump valves; 1 set each  
 feed & Bilge pump valves; 2 donkey pump valves; 2 rings for pit. valves; 1 set Springs L.P. piston;  
 1 Safety valve spring; 1 escape valve spring each size; 1 feed check valve; Bolts & nuts assorted  
 & iron of various sizes.*

The foregoing is a correct description,  
 FOR SIR CHRISTOPHER FURNESS, WESTGARTH & CO., LTD. Manufacturers of Engines & Boilers.

*H. Jackson.*

Dates of Survey while building  
 During progress of work in shops— 1899 July 20, 31, Aug: 3, 10, 14, 22, 23, 24, 25, 29, 30 Sept: 4, 25, 26, 27 Oct: 2, 4, 9, 11, 14, 17, 19, 25, 27, 31 Nov: 1, 4, 5, 10, 11, 15, 17, 18  
 During erection on board vessel— 21, 26, 27, 28 Dec: 1, 6, 8, 11, 13, 14, 16, 18, 20, 22, 1900 Jan: 4, 5, 6, 9, 11, 13, 16, 19, 23, 26, 29, 30 Feb: 3, 9, 12, 15, 17, 23, 24, Mar:  
 April: 2, 4, 10, 19, 23, 30 May: 2, 4, 9, 12, 15, 18, 22, 26 June: 1, 7, 12, 18, 24, 25, 27, 29, 30 July: 4, 5, 6, 7  
 August: 3, 7, 10, 14, 16, 17, 18, 24, 27, 30. Sept: 5, 6, 7  
 Total No. of visits *120* Is the approved plan of main boiler forwarded herewith *duplicate*  
*Apr. 1900. June 26. Oct. 10. 16 = 3 visits* .. donkey .. .. *Stoke Sigs.*

**General Remarks** (State quality of workmanship, opinions as to class, &c. *The Engine and Boiler, of this  
 vessel, have been built under Special Survey, in accordance with Rule  
 requirements. The materials, and workmanship, are good.  
 When completed, and fitted on board, they were tried under  
 steam at moorings, with satisfactory results, and are now  
 in good working order, and in my opinion eligible for the  
 notation **L.M.C. 10,00** in the Society's Register Books.*

It is submitted that  
 this vessel is eligible for  
 THE NOTATION **+LMC 10.00.**

*L.S.*  
 22.10.00

*H.S.*  
 22.10.00

The amount of Entry Fee... £ 3 : 0 :  
 Special .. .. £ 35 : 14 :  
 Donkey Boiler Fee .. .. £ : :  
 Travelling Expenses (if any) £ : :  
 When applied for, *19.0.00*  
 When received, *22.10.00*

*Lidley Stowell*  
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

*W. Minis*  
 TUE 1 MAY 1900  
 TUE 3 MAY 1900

Committee's Minute *TUES. 23 OCT 1900*  
 Assigned *+ L.M.C. 10,00*

Certificate (if required) to be sent to M. Northpool

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



MASTERY CERTIFICATE  
 WRITTH.