

DONKEY BOILER— No. *101* Description *Cyl Mull 2 plain furnaces.*
 Made at *Stockton* By whom made *J. S. S. & Co. Ltd* When made *1904* Where fixed *Stoke New*
 Working pressure *90 lb* tested by hydraulic pressure to *180 lb* No. of Certificate *3290* Fire grate area *354* Description of safety valves *Spring loaded*
 No. of safety valves *two* Area of each *5.9 sq* Pressure to which they are adjusted *95* If fitted with easing gear *Yes* If steam from main boilers can enter the donkey boiler *No*
 Dia. of donkey boiler *10'-0"* Length *10'-0"* Material of shell plates *Steel* Thickness *9/16"* Range of tensile strength *27/32* Descrip. of riveting long. seams *L of tube and* Dia. of rivet holes *7/8"* Whether punched or drilled *Drilled* Pitch of rivets *2 1/2 in 4 1/2*
 Lap of plating *6 5/8* Per centage of strength of joint *80.9* Rivets *80.9* Thickness of *shell* plates *11/16"* Radius of do. *11/16* No. of Stays to do. *4*
 Dia. of stays *2 1/4* Diameter of furnace *Top 5'-0" Bottom 8'-9 1/2"* Length of furnace *top 6'-6"* Thickness of furnace plates *2 1/2 in 9 1/2 in* Description of joint *L of ring and* Thickness of *furnace* crown plates *9/16"* Stayed by *Acum stays 9 x 8 1/2 in bar* Working pressure of shell by rules *91 lb*
 Working pressure of furnace by rules *90 lb* Diameter of *tubes* *3 1/2"* Thickness of *tubes* plates *F 11/16 B 3/4* Thickness of *stays* tubes *5/16*

SPARE GEAR. State the articles supplied:—*Two top and bottom. Two bottom and bolts. Two main bearing bolts. One set coupling bolts. One set screw pump valves. One set bilge pump valves. One set check valves. Sumpeller. Endurance tubes. Bolts nuts. Studs and washers as required.*

The foregoing is a correct description,
 For **BLAIR & CO., LIMITED.** Manufacturer. of main engines & boilers.
W. E. Shelby

Dates of Survey while building { During progress of work in shops - 1904 July 8, 14, 19, 28. August 4, 8, 10, 12, 25, 26, 30, 31. Sept 2, 5, 20, 22, 26, 27, 28.
 { During erection on board vessel - 1904 September 10. October 6, 8.
 Total No. of visits (Male) 19. (Apl) 3
 Is the approved plan of main boiler forwarded herewith *Yes*
 " " " donkey " " " *Yes*

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

*The machinery and boilers of this vessel have been constructed under special survey, the materials and workmanship are good and efficient, and when tested under steam were found satisfactory, and in our opinion eligible for the notification **F.M.C. 10.04.** in the Register Book.*

It is submitted that this vessel is eligible for THE RECORD **F.M.C. 10.04**

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The amount of Entry Fee. £ 2 : 0 : 0 When applied for, 15.10.1904
 Special £ 34 : 1 : 0
 Donkey Boiler Fee £ : : :
 Travelling Expenses (if any) £ : : :
 When received, 10/11/1904

G. A. Milner *R. D. Shilston*
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute **TUES. 18 OCT 1904**
 Assigned *+ L.M.C. 10.04*

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