

DONKEY BOILER— No. *One* Description *Meredith's Patent, Niley No 3510.*
 Made at *Stockton* By whom made *Niley Bros Ltd* When made *1905* Where fixed *Stone Hole*
 Working pressure *100 lb* tested by hydraulic pressure to *200 lb* No. of Certificate *3464* Fire grate area *38 4* Description of safety valves *Spring*
 No. of safety valves *2* Area of each *8.27* Pressure to which they are adjusted *100 lb* If fitted with easing gear *Yes* If steam from main boilers can enter the donkey boiler *No* Dia. of donkey boiler *8-0* Length *17-0* Material of shell plates *Steel* Thickness *9/16* Range of tensile strength *27/32* Descrip. of riveting long. seams *Lap tubular* Dia. of rivet holes *15/16* Whether punched or drilled *Drilled* Pitch of rivets *4*
 Lap of plating *6 1/2* Per centage of strength of joint Rivets *78.2* Thickness of shell crown plates *9/16* Radius of do. *Hemispherical* No. of Stays to do. *2* *Standard*
 Dia. of stays. *9/16* Diameter of furnace Top *5-5 1/8* Bottom *7-0 1/8* Length of furnace *2-4* Thickness of furnace plates *1 1/16* Description of joint *L & N riv* Thickness of furnace crown plates *1 1/16* Stayed by *3-0 radius* Working pressure of shell by rules *100.7 lb*
 Working pressure of furnace by rules *104 lb* Diameter of tubes *3* Thickness of tube plates *5 5/8 13 3/16* Thickness of stay tubes *5 1/16*

SPARE GEAR. State the articles supplied:— *Lap & bottom end connecting rods bolts & nuts*
Set of coupling bolts. Two main bearing bolts & nuts Set of feed & balance
spring valves. H & M P piston rings. Piston springs Propeller & propeller
shaft. Bolts & nuts coated

The foregoing is a correct description,
 FOR BLAIR & Co., LIMITED.
 W. Borrie, Manufacturer. of main engines & boilers.

Dates of Survey while building
 During progress of work in shops— *1905. Apr 3-14-18-28 May 2-3-4 8-10-13-15-16-20-23-25-26-27-29 June 1-5-8-9-14-16-17-21-24-30*
 During erection on board vessel— *July 4*
 Total No. of visits *Twenty nine* 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 & when tested under steam were found satisfactory & in my opinion now eligible for the notification of L.M.C. 7.05. in the Register Book.

It is submitted that this vessel is eligible for THE RECORD L.M.C. 7.05.

Ed. 12.7.05
Pub. 12.7.05

The amount of Entry Fee..	£ 2 : 0 : 0	When applied for,
Special	£ 33 : 13 : 0	7.7.1905
Donkey Boiler Fee .. .	£ :	When received,
Travelling Expenses (if any) £	:	8.7.1905

Geo. A. Milner
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute
 Assigned *+ L.M.C. 7.05*



MACHINERY CERTIFICATE WRITTEN.

Certificate (if required) to be sent to
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)