



**VERTICAL DONKEY BOILER—** Manufacturers of Steel

No. \_\_\_\_\_ Description \_\_\_\_\_  
 Made at \_\_\_\_\_ By whom made \_\_\_\_\_ When made \_\_\_\_\_ Where fixed \_\_\_\_\_  
 Working pressure tested by hydraulic pressure to \_\_\_\_\_ Date of test \_\_\_\_\_ No. of Certificate \_\_\_\_\_ Fire grate area \_\_\_\_\_ Description of Safety Valves \_\_\_\_\_  
 No. of Safety Valves \_\_\_\_\_ Area of each \_\_\_\_\_ Pressure to which they are adjusted \_\_\_\_\_ Date of adjustment \_\_\_\_\_  
 If fitted with easing gear \_\_\_\_\_ If steam from main boilers can enter the donkey boiler \_\_\_\_\_ Dia. of donkey boiler \_\_\_\_\_ Length \_\_\_\_\_  
 Material of shell plates \_\_\_\_\_ Thickness \_\_\_\_\_ Range of tensile strength \_\_\_\_\_ Descrip. of riveting long. seams \_\_\_\_\_  
 Dia. of rivet holes \_\_\_\_\_ Whether punched or drilled \_\_\_\_\_ Pitch of rivets \_\_\_\_\_ Lap of plating \_\_\_\_\_ Per centage of strength of joint \_\_\_\_\_ Rivets \_\_\_\_\_ Plates \_\_\_\_\_  
 Working pressure of shell by rules \_\_\_\_\_ Thickness of shell crown plates \_\_\_\_\_ Radius of do. \_\_\_\_\_ No. of stays to do. \_\_\_\_\_ Dia. of stays \_\_\_\_\_  
 Diameter of furnace Top \_\_\_\_\_ Bottom \_\_\_\_\_ Length of furnace \_\_\_\_\_ Thickness of furnace plates \_\_\_\_\_ Description of joint \_\_\_\_\_  
 Working pressure of furnace by rules \_\_\_\_\_ Thickness of furnace crown plates \_\_\_\_\_ Stayed by \_\_\_\_\_  
 Diameter of uptake \_\_\_\_\_ Thickness of uptake plates \_\_\_\_\_ Thickness of water tubes \_\_\_\_\_ Dates of survey \_\_\_\_\_

**SPARE GEAR.** State the articles supplied:— *Two top end & two bottom end connecting rod bolts  
 Two main bearing bolts one set of coupling bolts & one set of Feed  
 + Bilge Pump Valves*

The foregoing is a correct description, *or DUNSMUIR & JACKSON, Limited*  
 Manufacturer. *James Fletcher*

Dates of Survey while building	During progress of work in shops—	1906: July 12 Aug 11 16 Sep 19 27 Oct 10 22 20 Nov 2 3 8 23 Dec 24
	During erection on board vessel—	1907: Jan 9 11 15 21 24 26 28 31 Feb 1 2 3 8 20 Mar 14
	Total No. of visits	27

Is the approved plan of main boiler forwarded herewith *Y/0*  
 " " " donkey " " " *Y/0*

Dates of Examination of principal parts—	Cylinders 21-1-07	Slides 21-1-07	Covers 21-1-07	Pistons 21-1-07	Rods 21-1-07
Connecting rods	24-12-06	Crank shaft 22-10-06	Thrust shaft 10-10-06	Tunnel shafts 22-10-06	Screw shaft 10-10-06
Propeller	10-10-06	Stern tube 10-10-06	Steam pipes tested 1-2-07	Engine and boiler seatings 26-1-07	Engines holding down bolts 26-1-07
Completion of pumping arrangements	26-1-07	Boilers fixed 26-1-07	Engines tried under steam 14-3-07		
Main boiler safety valves adjusted	8-2-07	Thickness of adjusting washers	PV 3/8 SY 3/8, PV 3/8 SY 3/8, AY 3/8 B FY 3/8 F		
Material of Crank shaft	S	Identification Mark on Do.	W.D. 22-10-06	Material of Thrust shaft	S
Material of Tunnel shafts	S	Identification Marks on Do.	W.D. 22-10-06	Material of Screw shafts	S
Material of Steam Pipes	Iron	Test pressure	600 lbs		

**General Remarks** (State quality of workmanship, opinions as to class, &c.)  
*The machinery of this vessel has been constructed under special survey, the materials, workmanship are of good quality, it has been securely fitted on board, & tried under steam & found satisfactory.  
 In my opinion it is eligible to be classed in the Register Book with the record of + LMC. 3.07*

*This vessel is a duplicate of the S/S "Bloemfontein" (Glas Regt 24612.)  
 The approved plan were forwarded with the above Report.*

It is submitted that this vessel is eligible for **THE RECORD + LMC 3.07**  
**F.D. ELEC LIGHT.** *27/3/07*

The amount of Entry Fee..	£ 3 :	When applied for,	25 MAR 1907
Special .. .. .	£ 43 : 18 :	When received,	25 MAR 1907
Donkey Boiler Fee .. .. .	£ :		
Travelling Expenses (if any) £	:		

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

Committee's Minute *Glasgow 5 MAR 1907*  
 Assigned *+ LMC. 3.07*

MACHINERY CERTIFICATE  
 WRITTEN 26-3-07



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