

VERTICAL DONKEY BOILER—

Manufacturers of Steel

Rpt. 5a.

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	Radius of do.	Stayed by		
Diameter of uptake	Thickness of uptake plates	Thickness of water tubes	Dates of survey		

SPARE GEAR. State the articles supplied:— *All placed on board as per Specification.*

AITCHISON, BLAIR LTD.

The foregoing is a correct description,

Manufacturer.

Arch^d Blair
3/1/19.

Dates of Survey while building: During progress of work in shops -- 1918 Feb 27. Mar 8. 26. Apr 10. May 2. 13. 28. June 17. 25. Aug 4. 23. 28. Sept 2. 12. Oct 24. Nov. 28.
During erection on board vessel -- Nov. 4. 6. 10. 20. 23. 1919. Jan 22.
Total No. of visits

Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts—Cylinders 1/6/18 Slides 7/8/18 Covers 7/8/18 Pistons 7/8/18 Rods 7/8/18
Connecting rods 7/8/18 Crank shaft 13/5/18 Thrust shaft 7/8/18 Tunnel shafts 1/ Screw shaft 2/9/18 Propeller 12/9/18
Stern tube 2/9/18 Steam pipes tested 4/12/18 Engine and boiler seatings 28/11/18 Engines holding down bolts 10/12/18
Completion of pumping arrangements 10/12/18 Boilers fixed 28/11/18 Engines tried under steam 20/12/18
Main boiler safety valves adjusted 20/12/18 Thickness of adjusting washers Port 3/2 Starboard 1/6
Material of Crank shaft Steel Identification Mark on Do. 119 H.C. Material of Thrust shaft Steel Identification Mark on Do. 119 H.C.
Material of Tunnel shafts Iron Identification Marks on Do. 1/ Material of Screw shafts Steel Identification Marks on Do. 119 M.
Material of Steam Pipes Copper Test pressure 260 lbs/sq. in.

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

The Engines & Boilers of this vessel have been built under Special Survey, the workmanship and materials are good, they have been well fitted on board, tried under steam and found to work satisfactorily.

The Machinery of this vessel is eligible in my opinion for the record of + L.M.C. in the Register Book.

It is submitted that
this vessel is eligible for
THE RECORD. + L.M.C. 1.19.

HWB
4/2/19.

The amount of Entry Fee £ 11 2 8
Special .. £ ..
Donkey Boiler Fee .. £ ..
Travelling Expenses (if any) £ ..
When applied for, 3/2/19
When received, 13. 12. 1919

W. P. Murray Harry Clarke
Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute

TUE 4 FEB. 1919

Assigned

+ L.M.C. 119

MACHINERY CERTIFICATE
WRITTEN.



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Lloyd's Register
Foundation

Committee's

Assigned

Certificate (if required) to be sent to Glasgow.

42.
27.1.19

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

Dates of Survey while building: During work on board

GENERAL

This boiler and app

Survey Fee
Travelling Ex

Committee's

Assigned