

REPORT ON BOILERS.

No. 34181

Date of writing Report 1917 When handed in at Local Office 1917 Port of Glasgow
 No. in Survey held at Glasgow Date, First Survey 25th July 1914 Last Survey 8th Oct. 1914
 Reg. Book. on the S.S. "Limeleaf" Replaced Boiler (No. 418) (Number of Visits 12) Tons {Gross / Net
 Master Built at Glasgow By whom built Barclay Curle & Co. Ltd. (538) When built 1916
 Engines made at Glasgow By whom made Barclay Curle & Co. Ltd. (538) When made 1916
 Boiler made at Glasgow By whom made Barclay Curle & Co. Ltd. (538) When made 1916
 Registered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel *Steel Co. Scotland*
 (Letter for record *S*) Total Heating Surface of Boilers *3157* Is forced draft fitted *yes* No. and Description of Boilers *1 Single ended*
 Working Pressure *215* Tested by hydraulic pressure to *430* Date of test *8/10/17*
 No. of Certificate *13936* Can each boiler be worked separately *yes* Area of fire grate in each boiler *70.16* No. and Description of safety valves to each boiler *1 pair direct spring* Area of each valve *9.62* Pressure to which they are adjusted
 Are they fitted with easing gear *-* In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 Smallest distance between boilers or uptakes and bunkers or woodwork *-* Mean dia. of boilers *16.6* Length *12.0*
 Material of shell plates *Steel* Thickness *1 1/4* Range of tensile strength *31-35* Are the shell plates welded or flanged *no*
 Descrip. of riveting: cir. seams *tub. lap* long. seams *tub. butt* Diameter of rivet holes in long. seams *1 1/2* Pitch of rivets *10 1/2*
 Lap of plates or width of butt straps *23 1/4* Per centages of strength of longitudinal joint rivets *92.8* Working pressure of shell by rules *257* Size of manhole in shell *16 x 12* Size of compensating ring *10 1/2 x 1 1/2* No. and Description of Furnaces in each boiler *4 Monous* Material *Steel* Outside diameter *3.9 1/4* Length of plain part *top 2 1/2 bottom 3 1/2* Thickness of plates *2 1/2*
 Description of longitudinal joint *weld* No. of strengthening rings *-* Working pressure of furnace by the rules *236* Combustion chamber plates: Material *Steel* Thickness: Sides *1/4* Back *1/4* Top *1/4* Bottom *1/4* Pitch of stays to ditto: Sides *7 3/4 x 8 1/4* Back *9 x 7 3/4*
 Top *8 x 9* If stays are fitted with nuts or riveted heads *nuts* Working pressure by rules *225* Material of stays *Steel* Diameter at smallest part *2.03* Area supported by each stay *75* Working pressure by rules *253* End plates in steam space: Material *Steel* Thickness *1 1/4*
 Pitch of stays *20 x 16* How are stays secured *2 nuts* Working pressure by rules *219* Material of stays *Steel* Diameter at smallest part *7.86*
 Area supported by each stay *320* Working pressure by rules *266* Material of Front plates at bottom *Steel* Thickness *2 1/2* Material of Lower back plate *Steel* Thickness *2 1/2* Greatest pitch of stays *14 1/4* Working pressure of plate by rules *216* Diameter of tubes *2 1/2*
 Pitch of tubes *3 3/4 x 3 3/4* Material of tube plates *Steel* Thickness: Front *3/32* Back *1/16* Mean pitch of stays *7 1/2* Pitch across wide water spaces *13 1/2* Working pressures by rules *224* Girders to Chamber tops: Material *Steel* Depth and thickness of girder at centre *10 1/2 x 2 1/2* Length as per rule *2.10* Distance apart *9* Number and pitch of Stays in each *(3) 8*
 Working pressure by rules *215* Superheater or Steam chest: how connected to boiler *none* Can the superheater be shut off and the boiler worked separately
 Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 If stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed
 Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

FOR BARCLAY, CURLE & CO., LTD.

John Alexander Manager

The foregoing is a correct description.

Manufacturer.

Dates of Survey: During progress of work in shops - 1914 July 25, 27, Aug. 6, 16, 14, 28, 29, Sep. 11, 5, 12. Is the approved plan of boiler forwarded herewith *yes*
 while building (During erection on board vessel - - -) Oct. 8. Total No. of visits *12*

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) *This boiler has been built under special survey, the materials and workmanship are of good description. The boiler is to be forwarded to Portsmouth when it is to be fitted on board the vessel.*

Survey Fee *£ 11.11* : : When applied for, *16/10/1917*
 Travelling Expenses (if any) *£ 11.11* : : When received, *12th Dec. 1917*

Committee's Minute GLASGOW 16 OCT 1917

Assigned TRANSMIT TO LONDON

A. McLeod
Engineer Surveyor to Lloyd's Register of Shipping

TUE. 20 JAN. 1920
 FRI. 22 MAR. 1918
 FRI. 17 JAN. 1919
 TUE. FEB. 27 1923

Lloyd's Register Foundation

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