

pt. 5a.

# REPORT ON BOILERS.

No. 36579.

Received at London Office FRI. JAN. 5 - 1917

Date of writing Report 1917 When handed in at Local Office 1917 Port of Glasgow

No. in Survey held at Glasgow Date, First Survey 10-12-13 Last Survey 22-12-1916

Reg. Book. on the S.S. Limeleaf (Number of Visits) Gross Tons Net Tons

Master Built at Glasgow By whom built Barclay Curle & Co. (538) When built 1916

Engines made at Glasgow By whom made Barclay Curle & Co. (538) When made 1916

Boilers made at Glasgow By whom made Barclay Curle & Co. (538) When made 1916

Registered Horse Power Owners Port belonging to

## MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Wm. Beardmore & Co. Ltd. Glasgow

Letter for record (3) Total Heating Surface of Boilers 1528 7/8 Is forced draft fitted yes No. and Description of Boilers 1 Single ended Working Pressure 115 Tested by hydraulic pressure to 430 Date of test 13-12-15

No. of Certificate 13306 Can each boiler be worked separately no Area of fire grate in each boiler 37.55 9/16 No. and Description of Safety valves to each boiler 1 pair direct spring Area of each valve 5.94 1/2 Pressure to which they are adjusted 220

Are they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no

Smallest distance between boilers or uptakes and bunkers or woodwork 18" Mean dia. of boilers 12-0" Length 11-0"

Material of shell plates steel Thickness 1 5/16" Range of tensile strength 28 to 32 Are the shell plates welded or flanged no

Description of riveting: cir. seams double lap long seams butt Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 2 3/4"

Width of butt straps 19 1/4" Per centages of strength of longitudinal joint rivets 87.4 Working pressure of shell by plate 84.8

No. and Description of Furnaces in each boiler 2 Monsons Material steel Outside diameter 3-9 1/4" Length of plain part top Thickness of plates bottom 2 31/32

Description of longitudinal joint welded No. of strengthening rings 1 Working pressure of furnace by the rules 236 Combustion chamber

Material steel Thickness: Sides 3/32" Back 2/32" Top 2/32" Bottom 1/32" Pitch of stays to ditto: Sides 7 3/4" x 8 1/4" Back 7 3/4" x 8 1/4"

Are stays fitted with nuts or riveted heads nuts Working pressure by rules 232 Material of stays steel Diameter at smallest part 1.73 Area supported by each stay 63.93 Working pressure by rules 216 End plates in steam space: Material steel Thickness 1 3/16"

How are stays secured 2 nuts Working pressure by rules 239 Material of stays steel Diameter at smallest part 6.67

Area supported by each stay 264 Working pressure by rules 262 Material of Front plates at bottom steel Thickness 3/32" Material of lower back plate steel Thickness 3/32" Greatest pitch of stays 14 1/4" Working pressure of plate by rules 216 Diameter of tubes 3 1/2"

Material of tube plates steel Thickness: Front 3/32" Back 1/16" Mean pitch of stays 7 3/8" Pitch across wide

Working pressures by rules 224 Girders to Chamber tops: Material steel Depth and thickness of girder at centre 10 x 25/32 double Length as per rule 2-6 1/32" Distance apart 8 1/4" Number and pitch of Stays in each (2) 7 3/4"

Working pressure by rules 290 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

Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

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. The foregoing is a correct description,

Archibald Glasgow Director.

Manufacturer.

During progress of work in shops - - - See Accompanying Machinery Report

During erection on board vessel - - - Report

Is the approved plan of boiler forwarded herewith yes

Total No. of visits

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

Survey Fee ... £ : : } When applied for, ..... 191

Travelling Expenses (if any) £ : : } When received, ..... 191

Committee's Minute GLASGOW 3 - JAN. 1917

Signed See attached machinery report

A. M. Keane Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 22 MAR. 1918  
FRI. NOV. 25 1921  
TUE. FEB. 27 1923

Lloyd's Register Foundation