

REPORT ON BOILERS.

W1012-0223

No. 34697

WELL 24 APR 1918

Date of writing Report 18 April 1918 When handed in at Local Office Glasgow Port of Glasgow
 No. in Survey held at 458 on the Manoeuvring Air Reservoirs No. 5936 SS GLENAPP Tons 5
 Reg. Book. 458 Date, First Survey 26/3/18 Last Survey 15 April 1918
 Master Glasgow Built at Glasgow By whom built Barclay Curle & Co 519 When built 1918
 Engines made at Reservoirs By whom made Harland & Wolff Ltd. Glasgow When made 1918
 Boilers made at Glasgow By whom made Lindsay Bowmer & Co. When made 1918
 Registered Horse Power 3045 Owners Glen Line Ltd When made 1918

MANOEUVRING AIR RESERVOIRS
 MULTITUBULAR BOILERS MAIN, AUXILIARY OR DONKEY. — Manufacturers of Steel Steel Coy of Scotland
 Letter for record S Total Heating Surface of Boilers 356 lbs Is forced draft fitted —
 No. of Certificates 14209 Working Pressure 356 lbs Tested by hydraulic pressure to 72 lbs No. and Description of Three Air Reservoirs
 Can each boiler be worked separately — Area of fire grate in each boiler — Date of tests 14/18
 Safety valves to each boiler 2 spring loaded Area of each valve 7.07 sq in Pressure to which they are adjusted 360 lbs
 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 —
 Material of shell plates Steel Thickness 1 3/32 Range of tensile strength 28/32 Are the shell plates welded or flanged no
 Descrip. of riveting: cir. seams Lap S.R. long. seams rip riv butts Diameter of rivet holes in long. seams 1 1/16 Pitch of rivets 8 3/16
 Width of butt straps 1 7/8 Per centages of strength of longitudinal joint rivets 91.9 Working pressure of shell by 400 lbs
 Size of manhole in 8 in 16 x 12 Size of compensating ring 8 in flanged in. No. and Description of Furnaces in each —

Description of longitudinal joint — No. of strengthening rings — Working pressure of furnace by the rules — Combustion chamber —
 Material: Sides — Back — Top — Bottom — Pitch of stays to ditto: Sides — Back —
 If stays are fitted with nuts or riveted heads — Working pressure by rules — Material of stays — Diameter at —
 smallest part — Area supported by each stay — Working pressure by rules — End plates in steam space: Material Steel Thickness 1 1/32
 Pitch of stays — How are stays secured 40 Rad. Working pressure by rules 356 lbs Material of stays — Diameter at smallest part —

Area supported by each stay — Working pressure by rules — Material of Front plates of bottom — Thickness — Material of —
 Lower back plate — Thickness — Greatest pitch of stays — Working pressure of plate by rules — Diameter of tubes —
 Pitch of tubes — Material of tube plates — Thickness: Front — Back — Mean pitch of stays — Pitch across wide —
 water spaces — Working pressures by rules — Girders to Chamber tops: Material — Depth and thickness of —
 girder at centre — Length as per rule — Distance apart — Number and pitch of Stays in each —
 Working pressure by rules — Superheater or Steam chest: how connected to boiler — 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 —
 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 —
 survey request form —
 No. 2131 attached

The foregoing is a correct description,
Lindsay Bowmer & Co Manufacturer

Is the approved plan of boiler forwarded herewith Yes
 Total No. of visits 5

Dates of Survey 1918 Mar 26, Apr 2, 8, 11, 15
 During progress of work in shops —
 while building —
 board vessel —

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These reservoirs have been built under special survey, in accordance with the approved plan. The workmanship and material is good, and they are in my opinion suitable for a working pressure of 356 lbs per square inch.
These reservoirs have now been satisfactorily fitted on board the vessel "Earlston" 9-15-18

Survey Fee 6:6
 Travelling Expenses (if any) —
 When applied for 22-4-1918
 When received 8-6-1918

10E NOV 15 1918

Stewart Gregor
 Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute GLASGOW 23 APR 1918

Assigned TRANSMIT TO LONDON

GLASGOW 24 SEP 1918
 See Gls. Rpt. No. 88170
 FRI AUG 22 1918
 FRI 9 MAY 1919
 Lloyd's Register Foundation

TUE. 14. OCT. 1919

FRI. 23. JAN. 1920

Surveyor's Signature *George M. ...*



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Lloyd's Register Foundation

Date of issue
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 Committee
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 Travelling