

REPORT ON BOILERS.

No. 37495

Received at London Office WED. 27 FEB. 1918

of writing Report 191 When handed in at Local Office 191 Port of Glasgow
 Date, First Survey 26. 7. 17. Last Survey 13. 2. 1918.
 Survey held at Glasgow (Number of Visits 28)
 Book Boiler No 710 for S.S. Falace Tons } Gross
 on Built at Alcoa By whom built A. Jeffrey & Co. Ltd (No 23) When built } Net
 By whom made Alcoa When made
 By whom made A. & W. Dalziel (No 710) When made 1918
 Owners
 Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Steel 60 of Scotland Ltd

Letter for record S Total Heating Surface of Boilers 1370 Is forced draft fitted
 No. and Description of
 Boilers one Single ended Working Pressure 135 lb Tested by hydraulic pressure to 270 lb Date of test 13. 2. 18

of Certificate 14102 Can each boiler be worked separately
 Area of fire grate in each boiler 471 No. and Description of
 Safety valves to each boiler
 Area of each valve
 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
 Inside Mean dia. of boilers 12-6 Length 10-0

Material of shell plates Steel Thickness 1 1/8 Range of tensile strength 29/32 tons Are the shell plates welded or flanged No

Description of riveting: cir. seams lap long. seams TR DBS Diameter of rivet holes in long. seams 7/8 Pitch of rivets 6 1/4

Gap of plates or width of butt straps 12 3/4 Per centages of strength of longitudinal joint
 rivets 87.5 Working pressure of shell by
 plates 86

Size of manhole in shell 16 x 12 Size of compensating ring 2-0 x 2-4 x 1 No. and Description of Furnaces in each
 boiler 3 Plain Material Steel Outside diameter 39 Length of plain part
 top 82 1/2 Thickness of plates crown } 21
 bottom 87 1/8 bottom } 32

Description of longitudinal joint weld No. of strengthening rings
 Working pressure of furnace by the rules 136 Combustion chamber

Plates: Material Steel Thickness: Sides 9/16 Back 9/16 Top 9/16 Bottom 15/16 Pitch of stays to ditto: Sides 8 1/2 x 8 Back 8 x 7 1/2

Top 8 1/2 x 8 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 160 Material of stays Steel Diameter at
 smallest part 1-24 Area supported by each stay 650 Working pressure by rules 146 End plates in steam space: Material Steel Thickness 3/4

Pitch of stays 17 x 16 How are stays secured Nuts Working pressure by rules 136 Material of stays Steel Diameter at smallest part 3-85

Area supported by each stay 2720 Working pressure by rules 146 Material of Front plates at bottom Steel Thickness 3/4 Material of
 cover back plate Steel Thickness 3/4 Greatest pitch of stays 14 Working pressure of plate by rules 174 Diameter of tubes 3 1/4

Pitch of tubes 4 1/2 x 4 3/8 Material of tube plates Steel Thickness: Front 3/4 Back 21/32 Mean pitch of stays 10 Pitch across wide
 water spaces 14 Working pressures by rules 211 Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 7 1/2 x (9/16 x 22) Length as per rule 28-77 Distance apart 8 Number and pitch of Stays in each Two 8 1/2

Working pressure by rules 138 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

Boles 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

The foregoing is a correct description,

A. & W. Dalziel Manufacturer.

Survey request form

No. 2048 attached

Dates of Survey: During progress of 1914 July 21 Aug 29-22-29 Sept 3-4-18-21 Oct 1-14-26-31 Is the approved plan of boiler forwarded herewith Yes
 while building: During erection on Nov 7-14-23 Dec 4-11-28-29 1918 Jun 8-10-16-22-29-30-5-8-15 Total No. of visits 28

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under Special Survey, the material and workmanship are good. The boiler will be sent to Alcoa where it will be fitted to the vessel.

Survey Fee £ 4 : 11 : : When applied for, 191
 Travelling Expenses (if any) £ : : When received, 191

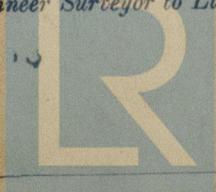
MONTHLY ACCOUNT.

Jas Basthorne
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 26 FEB. 1918

Assigned TRANSMIT TO LONDON

FRI. 26 APR. 1918



Lloyd's Register Foundation

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