

REPORT ON BOILERS.

No. 34733.

WED. JAN. 20. 1915

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Received at London Office
 Date of writing Report 8/11 1914 Port of Glasgow
 Survey held at Barfin Date, First Survey 3/12/14 Last Survey 29/12/1914
 on the Air Receiver for Raylton Dixon & Co Vessel No 577 (Number of Visits 4) Tons } Gross
 } Net
 Built at Barfin By whom built A. Anderson Sons (No. 1763) When built 1914
 By whom made A. Anderson Sons (No. 1763) When made 1914
 Owners Raylton Dixon & Co Port belonging to James Dunlop & Co Ltd

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel James Dunlop & Co Ltd

Number for record 5 Total Heating Surface of Boilers Is forced draft fitted No. and Description of Boilers One Cylindrical
 Working Pressure 100 Tested by hydraulic pressure to 200 Date of test 29/12/14
 Certificate No 12991 Can each boiler be worked separately Area of fire grate in each boiler No. and Description of valves to each boiler Area of each valve Pressure to which they are adjusted
 they fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 Least distance between boilers or uptakes and bunkers or woodwork Mean dia. of Receiver 5'-0" Length 18'-0"
 Material of shell plates Steel Thickness 13/32" Range of tensile strength 28-32 Are the shell plates welded or flanged No
 Pitch of riveting: cir. seams Single lap long. seams double lap Diameter of rivet holes in long. seams 13/16" Pitch of rivets 2 1/2"
 Width of plates or width of butt straps 4" Per centages of strength of longitudinal joint rivets 74.5 Working pressure of shell by rules 68
 Size of manhole in End plate 15" x 11" Size of compensating ring 5 1/2" x 5 1/8" No. and Description of Furnaces in each boiler
 Material Outside diameter Length of plain part Thickness of plates
 crown bottom
 Description of longitudinal joint No. of strengthening rings Working pressure of furnace by the rules Combustion chamber
 Material Thickness: 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 9/16"
 How are stays secured Working pressure by rules Material of stays Diameter at smallest part
 supported by each stay Working pressure by rules Material of Front plates at bottom Thickness Material of back plate
 Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes
 Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide spaces
 Working pressures by rules Girders to Chamber tops: Material Depth and thickness of girders at centre
 Length as per rule Distance apart Number and pitch of Stays in each chamber
 Working pressure by rules Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked
 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
 Flued 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 The foregoing is a correct description, Alex Anderson & Sons Manufacturer.
 During progress of work in shops - - - 1914. December. 3rd, 16th, 23rd, 29th Is the approved plan of boiler forwarded herewith Yes
 During erection on board vessel - - - Total No. of visits 4

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
This Air Receiver has been built under Special Survey, the materials & workmanship are good. It is to the order of Messrs. Allen & Maclellan.

Survey Fee £ 2-2-0 When applied for, 3/11/14 1914
 Travelling Expenses (if any) £ : : When received, 1914
P. J. Brown R. B. Alcheter
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute **GLASGOW** 19 JAN. 1915
 Assigned TRANSMIT TO LONDON
 Lloyd's Register Foundation

