

# REPORT ON BOILERS.

No. 4005

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191 When handed in at Local Office 19.6. 1920 Port of Glasgow  
 Survey held at Renfrew Date, First Survey 21.2.19 Last Survey 9.6. 1919  
 on the S.S. "Jellicoe Rose" (Number of Visits 7 Tons Gross 1118 Net 609  
 John Robinson Built at Paisley By whom built J. Hullerton & Co. (265) When built 1920  
 made at Clydebank By whom made Aitchison Blair & Co. (122) When made 1920  
 made at Renfrew By whom made Lobnitz & Co. Ltd. (4401B) When made 1919  
 ed Horse Power Owners Richard Hughes & Co. Port belonging to Liverpool

WATER TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Steel Co. of Scotland  
 for record (S) Total Heating Surface of Boilers 2030  $\text{ft}^2$  Is forced draft fitted No. and Description of  
 Cylindrical return tube Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 9.6.19  
 Certificate 14774 Can each boiler be worked separately Area of fire grate in each boiler 64.7  $\text{ft}^2$  No. and Description of  
 valves to each boiler Area of each valve Pressure to which they are adjusted  
 fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler  
 distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers 15.0 Length 10.6  
 of shell plates Steel Thickness 1.32 Range of tensile strength 28 to 32 Are the shell plates welded or flanged 70  
 of riveting: cir. seams double lap long. seams table butt Diameter of rivet holes in long. seams 1.16 Pitch of rivets 9.4  
 plates or width of butt straps 19.2 Per centages of strength of longitudinal joint rivets 89 plate 53.8 Working pressure of shell by  
 Size of manhole in shell 16 x 12 Size of compensating ring 33 x 27 No. and Description of Furnaces in each  
 Doughton Material Steel Outside diameter 49.4 Length of plain part top Thickness of plates crown 1.19 bottom 1.32  
 No. of strengthening rings Working pressure of furnace by the rules 191 Combustion chamber  
 Material Steel Thickness: Sides 1.19 Back 1.19 Top 1.19 Bottom 1.19 Pitch of stays to ditto: Sides 8.2 x 7.2 Back 8 x 8  
 If stays are fitted with nuts or riveted heads 7 nuts Working pressure by rules 140 Material of stays Steel Diameter at  
 part 1.41 Area supported by each stay 64 Working pressure by rules 180 End plates in steam space: Material Steel Thickness 1.16  
 stays 8 x 15 How are stays secured 2 nuts Working pressure by rules 88 Material of stays Steel Diameter at smallest part 4.77  
 supported by each stay 274 Working pressure by rules 84 Material of Front plates at bottom Steel Thickness 1.16 Material of  
 back plate Steel Thickness 1.16 Greatest pitch of stays 16.2 Working pressure of plate by rules 86 Diameter of tubes 3.4  
 tubes 4.8 x 4.2 Material of tube plates Steel Thickness: Front 1.16 Back 1.16 Mean pitch of stays 8.2 Pitch across wide  
 faces 14.4 Working pressures by rules 190 Girders to Chamber tops: Material Steel Depth and thickness of  
 centre 8.2 x 3.4 Length as per rule 3.4 Distance apart 8.2 Number and pitch of Stays in each (3) 7.2  
 pressure by rules 184 Superheater or Steam chest: how connected to boiler none 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  
 fitted with rings Distance between rings Working pressure by rules End plates: Thickness How stayed  
 pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

FOR LOBNITZ & Co., LIMITED  
 The foregoing is a correct description,  
 Edil Walton  
 Director Manufacturer.

During progress of work in shops 1919. Feb 21. 26. Mar 10. Apr 28. the approved plan of boiler forwarded with 4401. A.  
 During erection on board vessel May 6. 19. June 9. Total No. of visits 7

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built  
 under special survey, the materials and workmanship  
 of good description.  
 It has now been fitted on board and satisfactorily tried under steam.

Survey Fee ... £ Charged Machinery When applied for, 191  
 Travelling Expenses (if any) £ Machinery When received, 191

Committee's Minute GLASGOW 22 JUN 1920

See attached Machinery Report.

A. McKeand The Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Lloyd's Register Foundation

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