

# REPORT ON BOILERS.

No. 31195.  
WED. MAR. 13. 1912

Received at London Office

Writing Report 16. 2. 1912 When handed in at Local Office 9/3/1912 Port of Glasgow  
 Description of Ship in Survey held at Glasgow Date, First Survey 7<sup>th</sup> April 1910 Last Survey 6<sup>th</sup> March 1912  
 Book. s/s "Rosaldar" (Number of Visits 26) Tons { Gross 4918.80. Net 3091.90.  
 on the s/s "Rosaldar"  
 Built at Glasgow By whom built B. Coumell & Co. When built 1912  
 Rivets made at Glasgow By whom made Dunsmuir & Jackson L<sup>o</sup> (367) When made 1912  
 Plates made at ditto By whom made ditto When made 1912  
 Owners Turner & Co. Port belonging to Liverpool  
 Registered Horse Power

**MULTITUBULAR BOILERS** ~~FOR~~ ~~FOR~~ ~~OR~~ ~~DONKEY~~.—Manufacturers of Steel *Bolwell*  
 Total Heating Surface of Boilers 9534<sup>sq</sup> Is forced draft fitted 810<sup>sq</sup> No. and Description of Boilers  
 Working Pressure 100 Tested by hydraulic pressure to 200 Date of test 19. 12. 11  
 Area of fire grate in each boiler 3083<sup>sq</sup> No. and Description of Valves to each boiler  
 Area of each valve 5.9<sup>sq</sup> Pressure to which they are adjusted 105  
 they fitted with easing gear *Yes* In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler 810  
 Mean dia. of boilers 10-6 21/32 Length 9-6  
 Thickness 2 1/32 Range of tensile strength 28/32 Are the shell plates welded or flanged  
 Diameter of rivet holes in long. seams 1" Pitch of rivets 3 13/16  
 Size of manhole in shell 16 7/12 Size of compensating ring 8 11/16  
 Thickness of plates crown 9/16 bottom 3/4  
 Working pressure of furnace by the rules 105 Combustion chamber  
 Working pressure of shell by rules 106 Material of stays 9 iron Diameter at smallest part 103  
 Working pressure by rules 103 Material of Front plates at bottom 3/4 Material of back plate 2 1/32  
 Greatest pitch of stays 14" Working pressure of plate by rules 105 Diameter of tubes 3  
 Mean pitch of stays 12 1/2" Pitch across wide spaces 14"  
 Working pressures by rules 107 Girders to Chamber tops: Material 9 iron Depth and thickness of stays in each 2 x 4-9  
 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  
 End plates: Thickness How stayed  
 Area of safety valves to superheater Are they fitted with easing gear

For DUNSMUIR & JACKSON, Limited  
 The foregoing is a correct description,  
*James Fletcher* Manager Manufacturer.

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 in accordance with the approved plan. The workmanship & material are of good quality. This Report accompanies that of the Main Engineer's Boiler

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

*W. Gordon Muir*  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute **GLASGOW** 12 MAR. 1912

Signed *See accompanying machinery report.*



W576-0098