

# REPORT ON BOILERS.

No. 78263.

Received at London Office

17 OCT 1918 17 OCT 1918  
 When handed in at Local Office Port of LIVERPOOL  
 Survey held at Birkenhead Date, First Survey Aug 26<sup>th</sup> 1918 Last Survey Oct. 11<sup>th</sup> 1918  
 (Number of Visits) Tons } Gross 4260  
 Net 2704  
 on the S.S. Moorgate  
 Built at Sunderland By whom built J. C. Thompson & Sons Ltd. When built 1909.  
 made at Sunderland By whom made J. Dickerson & Sons Ltd. when made 1909.  
 made at Glasgow By whom made Dunsmuir & Jackson Ltd. when made 1918.  
 Owners \_\_\_\_\_ Port belonging to \_\_\_\_\_

**TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.** See Glasgow Rpt. No 38016.

for record 3 Total Heating Surface of Boilers 5210 sq ft Is forced draft fitted no. No. and Description of  
2 S. Ended. Working Pressure 180 lbs. Tested by hydraulic pressure to 360 lbs. Date of test 30.9.18  
 Certificate 14386 Can each boiler be worked separately yes. Area of fire grate in each boiler 7 1/2 sq ft No. and Description of  
 valves to each boiler 2 Direct Springs. Area of each valve 8.29 sq ft Pressure to which they are adjusted 185 lbs.  
 fitted with easing gear yes. In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no.  
 distance between boilers or uptakes and bunkers or woodwork 2'-0" Mean dia. of boilers 16'-4 1/8" Length 11'-6"  
 Thickness \_\_\_\_\_ Range of tensile strength \_\_\_\_\_ Are the shell plates welded or flanged \_\_\_\_\_  
 Diameter of rivet holes in long. seams \_\_\_\_\_ Pitch of rivets \_\_\_\_\_  
 Per centages of strength of longitudinal joint \_\_\_\_\_ Working pressure of shell by \_\_\_\_\_  
 No. and Description of Furnaces in each  
 Material \_\_\_\_\_ Outside diameter \_\_\_\_\_ Length of plain part \_\_\_\_\_ Thickness of plates \_\_\_\_\_  
 Working pressure of furnace by the rules \_\_\_\_\_ Combustion chamber \_\_\_\_\_  
 Material \_\_\_\_\_ Thickness: Sides \_\_\_\_\_ Back \_\_\_\_\_ Top \_\_\_\_\_ Bottom \_\_\_\_\_ Pitch of stays to ditto: Sides \_\_\_\_\_ Back \_\_\_\_\_  
 Working pressure by rules \_\_\_\_\_ Material of stays \_\_\_\_\_ Diameter at \_\_\_\_\_  
 Working pressure by rules \_\_\_\_\_ Material of stays \_\_\_\_\_ Diameter at smallest part \_\_\_\_\_  
 Working pressure by rules \_\_\_\_\_ Material of Front plates at bottom \_\_\_\_\_ Thickness \_\_\_\_\_ Material of \_\_\_\_\_  
 Working pressure of plate by rules \_\_\_\_\_ Diameter of tubes \_\_\_\_\_  
 Working pressures by rules \_\_\_\_\_ Girders to Chamber tops: Material \_\_\_\_\_ Depth and thickness of \_\_\_\_\_  
 Number and pitch of Stays in each \_\_\_\_\_  
 Superheater or Steam chest: how connected to boiler \_\_\_\_\_ Can the superheater be shut off and the boiler worked \_\_\_\_\_  
 Description of longitudinal joint \_\_\_\_\_ Diam. of rivet \_\_\_\_\_  
 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 ✓

The foregoing is a correct description, \_\_\_\_\_  
 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.) These Boilers have been  
satisfactorily fitted on board, examined under steam and their  
safety valves adjusted, & are eligible for record H 1810.18-180 lbs.

Survey Fee ... £ : : When applied for, 19  
 Travelling Expenses (if any) £ : : When received, 19  
A. J. Bassett & B. G. Oxford  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute LIVERPOOL 18 OCT 1918  
See report attached.  
 FRI. 31 JAN. 1919  
 TUE. JUN. 17. 1919  
 TUE. 29 JUL. 1919  
 Lloyd's Register Foundation

8010-926M