

REPORT ON BOILERS.

No. 38016

Received at London Office

WED. AUG. 7 - 1918

Writing Report 30.7 1918 When handed in at Local Office 1918 Port of GLASGOW
 in Survey held at Glasgow Date, First Survey 20th Dec. 1917. Last Survey 30.7 1918
 Book. S/S "Dorgate" (Number of Visits 15) Gross Tons Net
 on the Built at Sunderland By whom built J. L. Thompson & Sons Ltd When built 1907
 es made at Sunderland By whom made J. Dickenson & Sons Ltd When made 1907
 s made at Glasgow By whom made Dunsmuir Jackson Ltd (3103) When made 1918
 red Horse Power Owners Dorgate S/S Coy Ltd Port belonging to

TITUBULAR BOILERS — MAIN, ~~AUXILIARY OR DONKEY~~ — Manufacturers of Steel Steel Co of Scotland
 for record S Total Heating Surface of Boilers 5210^{sq} Is forced draft fitted No No. and Description of
2 Single Ended Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 30.7.18
 Certificate 14986 Can each boiler be worked separately ✓ Area of fire grate in each boiler 41¹/₂ sq No. and Description of
 valves to each boiler Area of each valve Pressure to which they are adjusted
 y fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 at distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers 16-4¹/₆" Length 11-6"
 of shell plates S Thickness 1⁵/₁₆" Range of tensile strength 28/32 Are the shell plates welded or flanged ✓
 p. of riveting: cir. seams DR long. seams TR. D.B.S Diameter of rivet holes in long. seams 1³/₈" Pitch of rivets 9⁵/₈"
 plates or width of butt straps 1-8¹/₂" Per centages of strength of longitudinal joint rivets 67.2% Working pressure of shell by
184 Size of manhole in shell 16¹/₂" Size of compensating ring 4¹/₄ x 1⁵/₁₆" plate 85.7%
4 Dorgate Material S Outside diameter 3-7" Length of plain part top Thickness of plates crown } 33¹/₆₄"
 tion of longitudinal joint weld No. of strengthening rings ✓ Working pressure of furnace by the rules 182 Combustion chamber
 Material S Thickness: Sides 1¹/₆" Back 1¹/₆" Top 1¹/₆" Bottom 1³/₁₆" Pitch of stays to ditto: Sides 10¹/₄ x 8⁵/₈" Back 9¹/₈ x 9¹/₈"
8⁵/₈" If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 181 Material of stays S area Diameter at
 part 1-9⁵/₈" Area supported by each stay 88.5^{sq} Working pressure by rules 182 End plates in steam space: Material S Thickness 1⁵/₁₆"
 stays 1-9³/₄ x 1-7" How are stays secured DN Working pressure by rules 184 Material of stays S area Diameter at smallest part 7.49"
 pported by each stay 422^{sq} Working pressure by rules 183 Material of Front plates at bottom S Thickness 1" Material of
 ack. plate S Thickness 29/32" Greatest pitch of stays 14³/₄ x 99/16" Working pressure of plate by rules 182 Diameter of tubes 3¹/₄"
 tubes 4¹/₂ x 4⁷/₁₆" Material of tube plates S Thickness: Front 1 Back 1³/₁₆" Mean pitch of stays 10³/₃₂" Pitch across wide
 aces 14" Working pressures by rules 182 Girders to Chamber tops: Material S Depth and thickness of
 centre 9¹/₂ x 17⁸/₈" Length as per rule 36¹/₂" Distance apart 93/4" Number and pitch of Stays in each 3 at 8⁵/₈"
 pressure by rules 185 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
 ed with rings Distance between rings Working pressure by rules End plates: Thickness How stayed 10¹/₈"
 pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

Very request form

2022 attached

The foregoing is a correct description,

Manufacturer.

During progress of 1917. Dec. 20. 1918 Jan. 11. 15. 24. 30. Feb. 16. Mar. 4. 7. 18. 25.
 work in shops - - -
 During erection on 4th. 2. 10. 30. 7. 29. July 30.
 board vessel - - -

Is the approved plan of boiler forwarded herewith YesTotal No. of visits 15

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

These boilers have been built
 der Special Survey in accordance with the approved
 s & the workmanship & material are of good quality
 se boilers are to be shipped to Birkenhead at which
 they will be fitted on board

Fee ... £ 12.- 9.-
 ling Expenses (if any) £ 7.- 9.-

When applied for, 2-8-1918

When received, 7-9-1918

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

tee's Minute GLASGOW 6 AUG 1918

d TRANSMIT TO LONDON

FRI. 31. JAN. 1919

TUE. JUN. 17. 1919

TUE. 29. JUL. 1919

Lloyd's Register Foundation

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