

11 APR 1925

Sld. No. 25955.

pt. 5a.

REPORT ON BOILERS.

No. 8201
WED. NOV. 26. 1913

Received at London Office

of writing Report 25. 11. 1913 When handed in at Local Office 25. 11. 1913. Port of Middlesbrough 22 Dec. 1913
 No. in Survey held at Hockton-on-Tees Date, First Survey 27. September Last Survey 11. November 1913
 g. Book. on the Steel S.S. Mattisfont (Number of Visits 9/12) Gross 4784
 Tons Net 2906
 ster Martin Built at Sunderland By whom built J. L. Thompson & Sons When built 1913
 gines made at Sunderland By whom made John Dickinson & Sons Ltd When made 1913
 lers made at Hockton By whom made Messrs Riley Bros (No. 4570) When made 1913
 istered Horse Power Owners Century Shipping Co. Ltd Port belonging to London

ULTITUBULAR BOILERS ~~MAIN, AUXILIARY OR DONKEY.~~ Manufacturers of Steel John Huncer & Sons
 tter for record (Y) Total Heating Surface of Boilers 10500 Is forced draft fitted - No. and Description of
 lers One single ended Working Pressure 120 Tested by hydraulic pressure to 240 Date of test 6.11.13
 of Certificate 5185 Can each boiler be worked separately ✓ Area of fire grate in each boiler 35½ No. and Description of
 ty valves to each boiler 2 Spring Area of each valve 5.4 Pressure to which they are adjusted 122 lbs
 they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no
 allest distance between boilers or uptakes and bunkers or woodwork 14 Inside Mean dia. of boilers 11'-0" Length 10'-6"
 terial of shell plates steel Thickness ¼" Range of tensile strength 28-32 Are the shell plates welded or flanged no
 scrip. of riveting: cir. seams 2 R. lap long. seams 2 B-3 Riv Diameter of rivet holes in long. seams 16" Pitch of rivets 7"
 of plates on width of butt straps 13½" x ¼" Per centages of strength of longitudinal joint rivets 106 Working pressure of shell by
 es 131 Size of manhole in shell 19" x 15" Size of compensating ring 7 x 13 No. and Description of Furnaces in each
 ler 2 plain Material steel Outside diameter 40" Length of plain part top 76¾ Thickness of plates crown 21
 bottom 102½ bottom 22
 scription of longitudinal joint weld No. of strengthening rings none Working pressure of furnace by the rules 139 Combustion chamber
 tes: Material steel Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 27/32" Pitch of stays to ditto: Sides 10" x 9" Back 9" x 9"
7½" x 9" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 120 Material of stays iron Diameter at
 allest part 1.73 Area supported by each stay 81 Working pressure by rules 128 End plates in steam space: Material steel Thickness 13/16"
 ch of stays 15" x 15" How are stays secured nuts & washers Working pressure by rules 139 Material of stays steel Diameter at smallest part 2.87
 ea supported by each stay 240 Working pressure by rules 124 Material of Front plates at bottom steel Thickness 13/16" Material of
 ver back plate steel Thickness 13/16" Greatest pitch of stays 14" x 9" Working pressure of plate by rules 164 Diameter of tubes 3½"
 ch of tubes 4¼" x 4¼" Material of tube plates steel Thickness: Front 13/16" Back 11/16" Mean pitch of stays 10½" Pitch across wide
 ter spaces 14" Working pressures by rules 129 Girders to Chamber tops: Material steel Depth and thickness of
 der at centre 6½" x 1¼" Length as per rule 27" Distance apart 7½" Number and pitch of Stays in each 2 @ 9"
 orking pressure by rules 153 Superheater or Steam chest: how connected to boiler none Can the superheater be shut off and the boiler worked
 arately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
 es Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed
 orking pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

SURVEY REQUEST
NO. 710 ATTACHED.

FOR
RILEY BROS. BOILERMAKERS LIMITED

Manufacturer.

Dates During progress of 27. Sep. 2. 9. 12. 18. 23. 21. Nov. 3. 6.
 Survey work in shops - -
 while During erection on Dec. 12. 17. 22.
 ilding board vessel - - -

Is the approved plan of boiler forwarded herewith YesTotal No. of visits 9/12

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under
special survey, is of good material and workmanship and on completion was
tested by hydraulic pressure with satisfactory results. Secured in place
examined under steam & safety valves adjusted to W10

J. J. Findlay

Survey Fee ... £ 3 : 10 : When applied for, 191
 Travelling Expenses (if any) £ : : When received, 191

Wm Morrison
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

TUE. JAN. 6 - 1914

Assigned

Lloyd's Register
Foundation

W200-0142

W200-0145