

Sld Rpt. No. 26017

5a.

REPORT ON BOILERS.

No. 8263

THURSDAY 26 FEB 1914
WED. 14 1914

Writing Report 13.1.14 1914 When handed in at Local Office 13. 1. 1914 Port of MIDDLESBRO
in Survey held at Stockton-on-Tees Date, First Survey 13th October Last Survey 8th January 1914
Book. on the Steel Screw Steamer Walsford (S.S.N. 503) Tons Gross 4782 Net 2906
Built at Sunderland By whom built J. L. Thompson & Sons Ltd When built 1914
Made at Sunderland By whom made John Dickinson & Sons Ltd When made 1914
Made at Stockton By whom made Messrs Riley Bros Ltd (No. 4569) When made 1914
Horse Power Owners Century Shipping Co. Ltd Port belonging to London

WATER TUBULAR BOILERS MAIN, AUXILIARY OR DONKEY. Manufacturers of Steel John Menier & Sons

for record (r) Total Heating Surface of Boilers 1050 Is forced draft fitted no No. and Description of
One single ended Working Pressure 120 Tested by hydraulic pressure to 240 Date of test 8.1.14
Certificate 5220 Can each boiler be worked separately Area of fire grate in each boiler 35½ No. and Description of
valves to each boiler 2 Spring Area of each valve 25½ Pressure to which they are adjusted 125 lb
fitted with easing gear 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 On deck Inside Max dia. of boilers 11'-0" Length 10'-0"
Material of shell plates steel Thickness ½ Range of tensile strength 28-32 Are the shell plates welded or flanged no
Pitch of riveting: cir. seams 2-R. lap long. seams 2-B-3 Riv Diameter of rivet holes in long. seams 15/16 Pitch of rivets 7"
plates or width of butt straps 13½ x ½ Per centages of strength of longitudinal joint rivets 106 Working pressure of shell by
131 Size of manhole in shell 19 x 15 Size of compensating ring 7 x 13 2" dia. No. and Description of Furnaces in each
2 plain Material steel Outside diameter 40" Length of plain part top 76½ Thickness of plates crown 2 1/32 bottom 70½
Description of longitudinal joint Weld No. of strengthening rings none Working pressure of furnace by the rules 139 Combustion chamber
Material steel Thickness: Sides 9/16 Back 9/16 Top 9/16 Bottom 3/2 Pitch of stays to ditto: Sides 10" x 9" Back 9" x 9"
1½ x 9 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 120 Material of stays iron Diameter at
st part 1.73 Area supported by each stay 81 Working pressure by rules 128 End plates in steam space: Material steel Thickness 13/16
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
supported by each stay 240 Working pressure by rules 124 Material of Front plates at bottom steel Thickness 13/16 Material of
back plate steel Thickness 13/16 Greatest pitch of stays 14" x 9" Working pressure of plate by rules 164 Diameter of tubes 3½"
of tubes 4½ x 4½ Material of tube plates steel Thickness: Front 13/16 Back 11/16 Mean pitch of stays 10 15/16 Pitch across wide
spaces 14" Working pressures by rules 129 Girders to Chamber tops: Material steel Depth and thickness of
at centre 6½ x 1½ Length as per rule 27 Distance apart 7½ Number and pitch of Stays in each 2 @ 9"
Working pressure by rules 153 Superheater or Steam chest: how connected to boiler none Can the superheater be shut off and the boiler worked
ately 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
Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

FOR The foregoing is a correct description,
RILEY BROS. (BOILERMAKERS) LIMITED.

Manufacturer.

SURVEY REQUEST
No. 770 ATTACHED.

During progress of 1913 Oct. 18. 21. 31. Nov. 6. 12. Dec. 8. 12. 16. 24. 31. Jan 8 Is the approved plan of boiler forwarded herewith yes
work in shops - - -
During erection on 4th 23 6/12 Total No. of visits 11 15
board vessel - - -

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
hydraulic pressure with satisfactory results.

Survey Fee ... £ 3 10-0 When applied for, MONTHLY A/c.
Travelling Expenses (if any) £ : : When received, 191

Shipping.

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

Committee's Minute

FRI. FEB. 27. 1914

signed

See Minute on
Sld Rpt 26017



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Foundation
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