

REPORT ON BOILERS.

No. 8594.

26266.

Received at London Office

TUE AUG 18 1914
MON NOV 2 1914

Date of writing Report 17.8.14 191 When handed in at Local Office 17.8.14 1914 Port of Middlesbrough
 No. in Survey held at Stockton-on-Tees Date, First Survey May 27th 1914 Last Survey August 10th 1914
 Reg. Book. on the Steel S.S. "Salopian" Exford (Number of Visits 12) Gross 4503 Tons Net 2839
 Master Hughes Built at Sunderland By whom built Messrs Bartram & Sons Ltd When built 1914
 Engines made at Sunderland By whom made J. Dickinson & Sons Ltd When made 1914
 Boilers made at Stockton By whom made Messrs Riley Bros (No. 4707) When made 1914
 Registered Horse Power Owners Tatham S. S. Co. Ltd (of Tatham S. Co.) Port belonging to Cardiff

MULTITUBULAR BOILERS MAIN, AUXILIARY OR DONKEY. Manufacturers of Steel John Spencer & Sons

(Letter for record (S) Total Heating Surface of Boilers 1140 sq ft Is forced draft fitted No. and Description of

Boilers One single ended Working Pressure 120 Tested by hydraulic pressure to 240 Date of test 10.8.14

No. of Certificate 5359 Can each boiler be worked separately Yes Area of fire grate in each boiler 35 sq ft No. and Description of

safety valves to each boiler Two spring loaded Area of each valve 4.06 sq in Pressure to which they are adjusted 122 lbs.

Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No

Smallest distance between boilers or uptakes and bunkers or woodwork Main deck. Max dia. of boilers 11'-0" Length 10'-0"

Material of shell plates steel Thickness 41/64 Range of tensile strength 29 1/2 - 33 Are the shell plates welded or flanged No

Descrip. of riveting: cir. seams 2 R lap long. seams 2 B - 2 Riv Diameter of rivet holes in long. seams 15/16 Pitch of rivets 5 1/2"

Lap of plates or width of butt straps 9 x 5/8 Per centages of strength of longitudinal joint rivets 87.6 plate 82.9 Working pressure of shell by

rules 121 Size of manhole in shell 19" x 15" Size of compensating ring 7 x 3 1/2 No. and Description of Furnaces in each

boiler 2 plain Material steel Outside diameter 40" Length of plain part top 75 1/2" Thickness of plates crown 5/8" bottom 102 1/2" bottom 1/2" diam

Description of longitudinal joint Welded No. of strengthening rings none Working pressure of furnace by the rules 124 Combustion chamber

plates: Material steel Thickness: Sides 1/2" Back 9/16" Top 1/2" Bottom 1/2" Pitch of stays to ditto: Sides 8 1/2 x 8 Back 9 x 10"

Top 8 x 8 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 121 Material of stays steel Diameter at

smallest part 1 1/4" Area supported by each stay 90 Working pressure by rules 129 End plates in steam space: Material steel Thickness 25/32"

Pitch of stays 16 x 15 How are stays secured nuts & 6 x 1/2 washers Working pressure by rules 120 Material of stays steel Diameter at smallest part 2.87

Area supported by each stay 248 Working pressure by rules 120 Material of Front plates at bottom steel Thickness 25/32 Material of

Lower back plate steel Thickness 25/32 Greatest pitch of stays 13 1/2 x 10 Working pressure of plate by rules 149 Diameter of tubes 3 1/2"

Pitch of tubes 4 1/2 x 4 1/2 Material of tube plates steel Thickness: Front 25/32 Back 5/8 Mean pitch of stays 10 7/8 Pitch across wide

water spaces 13 1/2 Working pressures by rules 120 Girders to Chamber tops: Material steel Depth and thickness of

girder at centre 6 1/2 x 1 1/2 Length as per rule 28 Distance apart 8 Number and pitch of Stays in each 208"

Working pressure by rules 125 Superheater or Steam chest: how connected to boiler none Can the superheater be shut off and the boiler worked

separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

If stiffened 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

SURVEY REQUEST
NO. 981 ATTACHED.FOR The foregoing is a correct description,
RILEY BROS. BOILERMAKERS LIMITED

Manufacturer.

SECRETARY

Dates of Survey During progress of work in shops - 1914 May 27-29 Jun. 16-30 Jul. 3-20-23-27-29-31 Is the approval of boiler forwarded herewith yes
 while building During erection on board vessel - Aug. 6-10 Sep 23-30 Oct. 1 Total No. of visits 12 15

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.
 Donkey Boilers fixed in place, mounting fitted & safety valves adjusted under steam.

Survey fee ... £ 37 16-0 When applied for, 191
 Travelling Expenses (if any) £ : : When received, 191

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

Committee's Minute TUE. NOV. -3. 1914

Assigned



© 2020

Lloyd's Register
Foundation

REPORT ON BOTTLERS

RETAIL

RETAIL



© 2020

Lloyd's Register
Foundation