

REPORT ON BOILERS.

No. 40370

WED. SEP 22 1920

Received at London Office

Date of writing Report 10. 2. 20 When handed in at Local Office 10. 2. 20 Port of Glasgow.
 No. in Survey held at Glasgow. Date, First Survey 11. 9. 1919 Last Survey 18. 2. 1920.
 Reg. Book. on the boilers for J. S. Beatty Rose (Number of Visits 15.)
 Gross Tons 1119
 Net Tons 609
 Built at Glasgow. By whom built Fulleston & Co (No 266) When built 1920
 Engines made at Glasgow. By whom made W. Beardmore & Son (No 547) When made 1920
 Boilers made at Glasgow. By whom made A. W. Dalglis (Nos 455-6) When made 1920
 Registered Horse Power Owners Richard Hughes & Co Port belonging to Liverpool

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY—Manufacturers of Steel Beardmore & Steel Coy of Scotland
 Letter for record J. Total Heating Surface of Boilers 2550 sq ft. Is forced draft fitted no.

Boilers 2 - S.E. Marine Working Pressure 180 lbs Tested by hydraulic pressure to 360 lbs. No. and Description of 10. 2. 20 No 755
 No. of Certificate 15089 755 each boiler be worked separately Yes. Area of fire grate in each boiler 38.8 sq ft. Date of test 23. 1. 20 No 756
15049 756

Safety valves to each boiler double spring loaded Area of each valve 4.9 sq in. Pressure to which they are adjusted 185 lbs.
 Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler Yes

Smallest distance between boilers or uptakes and bunkers or woodwork 4 ft 12 in. dia. of boilers 12'-0" Length 10'-6"
 Material of shell plates S. Thickness 1" Range of tensile strength 28/32 Are the shell plates welded or flanged no

Description of riveting: cir. seams D.R. long. seams T.R.D.B.S. Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 7 5/8"
 Width of butt straps 15 3/4" Per centages of strength of longitudinal joint 86.5 Working pressure of shell by 184

Size of manhole in shell 16 x 12 Size of compensating ring 28 1/2 x 24 1/2 x 1" No. and Description of Furnaces in each 2 - plain
 Material S. Outside diameter 3'-6" Length of plain part 36'-4 1/2" Thickness of plates 49/64
 Description of longitudinal joint weld No. of strengthening rings one Working pressure of furnace by the rules 182 Combustion chamber

Material S. Thickness: Sides 1/16" Back 5/8" Top 1/16" Bottom 13/16" Pitch of stays to ditto: Sides 10 x 8" Back 8 1/2 x 8 1/2"
 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 189 Material of stays S. Diameter at

smallest part 1.79 Area supported by each stay 85 sq in. Working pressure by rules 189 End plates in steam space: Material S. Thickness 1 1/32"
 How are stays secured D.N.W. Working pressure by rules 185 Material of stays S. Diameter at smallest part 5.05

Area supported by each stay 272 sq in. Working pressure by rules 193 Material of Front plates at bottom S. Thickness 7/8" Material of

back plate S. Thickness 7/8" Greatest pitch of stays 14 x 8 1/2" Working pressure of plate by rules 197 Diameter of tubes 3 1/2"
 Material of tube plates S. Thickness: Front 7/8" Back 23/32" Mean pitch of stays 9 1/2 x 9 1/2" Pitch across wide

Working pressures by rules 228 Girders to Chamber tops: Material S. Depth and thickness of
 at centre 8 3/4 x 3/4 (depth) as per rule 2'-9 1/32" Distance apart 8 1/2" Number and pitch of Stays in each 2 - 10"

Working pressure by rules 188 Superheater or Steam chest: how connected to boiler None 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 ✓

Distance between rings ✓ Working pressure by rules ✓ End plates: Thickness ✓ How stayed ✓

Area of safety valves to superheater ✓ Are they fitted with easing gear ✓

The foregoing is a correct description,
A. W. Dalglis Manufacturer

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

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been built under special survey. The materials and workmanship are good.

Survey Fee ... See Machinery Report When applied for, 191
 Travelling Expenses (if any) £ See Machinery Report When received, 191

Committee's Minute GLASGOW 21 SEP 1920
 Signed See attached Machinery Report.



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