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REPORT ON BOILERS

No. 41586

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pt. 5a.

Received at London Office

When handed in at Local Office 13 12 19 21 Port of Glasgow
Date, First Survey 24th Dec 1919 Last Survey 9 Dec 19 21
No. in Survey held at Glasgow
on the S.S. "Hogarth"
Built at Glasgow By whom built D.W. Henderson Co Ltd
Engines made at Belfast By whom made Harland & Wolff Ltd
Boilers made at Glasgow By whom made D.W. Henderson Co. Ltd.
Registered Horse Power Owners Lampert & Holt
Port belonging to Liverpool

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel DeLoraine & Co. Spencertown

Total Heating Surface of Boilers 11339.4
Working Pressure 225
Is forced draft fitted No
No. of Certificate 15414
Can each boiler be worked separately Yes
Area of fire grate in each boiler 100 sq ft
Date of test 6-8-20
Safety valves to each boiler Two spring loaded
Area of each valve 12.56 sq in
Pressure to which they are adjusted 220 lbs
Are they fitted with easing gear Yes
In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler.

Smallest distance between boilers 18"
Material of shell plates S Thickness 13/8"
Range of tensile strength 29-33 tons
Mean dia. of boilers 14'-3" Length 18'-6"
Descrip. of riveting: cir. seams L.D.R long. seams T.R. D.B.S. Diameter of rivet holes in long. seams 13/8" Pitch of rivets 9 3/8"
Lap of plates or width of butt straps 20 1/8"
Per centages of strength of longitudinal joint rivets 85.59 plate 85.33
Working pressure of shell by rules 227
Size of manhole in shell 16" x 12"
Size of compensating ring 2'-11" x 2'-7" x 1 3/8"

No. and Description of Furnaces in each boiler 6 Corrugated
Material S Outside diameter 3'-8 1/2" Length of plain part top bottom
Thickness of plates crown 7/8" bottom 7/8"
Description of longitudinal joint weld
No. of strengthening rings none Working pressure of furnace by the rules 226
Combustion chamber plates: Material S Thickness: Sides 2 1/32" Back 2 1/32" Top 2 1/32" Bottom 7/8"
Pitch of stays to ditto: Sides 8 1/2" x 7 7/8" Back 8 1/2" x 7 7/8"
Top 8 1/2" x 7 7/8"
If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 221
Material of stays S Area at smallest part 1.76
Area supported by each stay 66.9 Working pressure by rules 236
End plates in steam space: Material S Thickness 1 1/4"

Pitch of stays 14 1/8" x 16 3/4"
How are stays secured S.R.V. Working pressure by rules 222
Material of stays S Area at smallest part 7.06
Area supported by each stay 328.7 Working pressure by rules 223
Material of Front plates at bottom S Thickness 7/8"
Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes 3 1/4"

Pitch of tubes 4 1/2" x 4 1/4"
Material of tube plates S Thickness: Front 7/8" Back 13/16"
Mean pitch of stays 10 15/16" Pitch across wide water spaces 14 1/4"
Working pressures by rules 308
Girders to Chamber tops: Material S Depth and thickness of girder at centre 8" x 13 1/4"
Length as per rule 46 3/8" Distance apart 7 7/8"
Number and pitch of Stays in each 4 @ 8 1/2"
Working pressure by rules 255
Steam dome: description of joint to shell % of strength of joint

Diameter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed
SUPERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to
Date of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler
Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

The foregoing is a correct description.
Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted
Manufacturer.

