

W652-0160

pt. 5a.

REPORT ON BOILERS.

No. 41586

WED. DEC. 14 1921

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 1921
(Number of Visits 53)
Gross 8109
Tons Net 5050
When built 1921
When made 1921
When made 1921
Port belonging to Liverpool

No. in Survey held at Glasgow
Reg. Book. S.S. "Hogarth"
on the S.S. "Hogarth"
Built at Glasgow
By whom built S.W. Henderson & Co. Ltd.
By whom made Harland & Wolff Ltd.
By whom made S.W. Henderson & Co. Ltd.
Owners Lamport & Holt

Engines made at Belfast
Boilers made at Glasgow
Registered Horse Power

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.

Letter for record 5) Total Heating Surface of Boilers 11339.4
Boilers 3 Double Ended Multitubular Working Pressure 225 Is forced draft fitted No
No. of Certificate 15414 Can each boiler be worked separately Yes Tested by hydraulic pressure to 378 Date of test 6-8-20
Safety valves to each boiler Two spring loaded Area of fire grate in each boiler 100 sq ft No. and Description of
Are they fitted with easing gear Yes Area of each valve 12.56 sq in Pressure to which they are adjusted 220 lbs
Smallest distance between boilers on uptakes and bunnings or woodwork 18" Mean dia. of boilers 14'-3" Length 18'-6"
Material of shell plates S Thickness 13/8" Range of tensile strength 29-33 lbs Are the shell plates welded or flanged No
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 83.59
rules 227 Size of manhole in shell 16" x 12" Size of compensating ring 2'-11" x 2'-7" x 13/8" Working pressure of shell by
boiler 6 Corrugated Material S Outside diameter 3'-8 1/2" Length of plain part top 78" Thickness of plates crown 78"
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 1/8" Back
Top 8 1/2" x 7 1/8" 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 19 1/8" x 16 1/4" How are stays secured S.H.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 1/16" 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 13/4" 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
Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

The foregoing is a correct description.

Is Easing Gear fitted

Manufacturer.