

Book. on the Double Reduction Gearing Lumber for D.W. Henderson 88.504
Date, First Survey 14th Nov 1921 Last Survey January 3rd 1921
(Number of Visits 43) Gross 8109 Tons Net 5050
W652-0161

REPORT ON BOILERS.

No. 41586

of writing Report 13.12.1921 When handed in at Local Office 13.12.1921 Received at London Office WED. DEC. 14 1921
in Survey held at Glasgow Port of Glasgow
Book. on the S.S. "Hogarth"
ter Built at Glasgow
ines made at Belfast By whom built D.W. Henderson Co Ltd
ers made at Glasgow By whom made Harland & Wolff Ltd
istered Horse Power By whom made D.W. Henderson & Co Ltd
Owners Lamport & Holt.
When built 1921
When made 1921
When made 1921
Port belonging to Liverpool

MULTITUBULAR BOILERS - MAIN, AUXILIARY OR DONKEY.

atter for record 5 ✓ Total Heating Surface of Boilers 1857.8 ✓ Manufacturers of Steel Blodgett & Sons, J. Spencer
Boilers 1 Single ended multitubular Working Pressure 215 ✓ Is forced draft fitted No ✓
of Certificate 15451 Can each boiler be worked separately Yes ✓ Tested by hydraulic pressure to 378 ✓ Date of test 30-8-20
ty valves to each boiler Two spring loaded ✓ Area of fire grate in each boiler 449.95 ✓ No. and Description of
they fitted with easing gear Yes ✓ Area of each valve 5.93 ✓ Pressure to which they are adjusted 220 lbs ✓
allest distance between boilers or uptakes and bunkers or woodwork 8" ✓ Mean dia. of boilers 14'-0" Length 10'-6" ✓
aterial of shell plates S Thickness 1 1/32" Range of tensile strength 29-33 ✓ Are the shell plates welded or flanged No ✓
scrip. of riveting: cir. seams L.D.R. Long. seams T.R.D.B.S. Diameter of rivet holes in long. seams 1 1/32" Pitch of rivets 9 1/8" ✓
of plates or width of butt straps 19 1/16" ✓ Per centages of strength of longitudinal joint rivets 85.93
es 225 Size of manhole in shell 16" x 12" ✓ Size of compensating ring 2-11 x 2-7 x 1 1/32" Working pressure of shell by
iler 3 Corrugated Material S Outside diameter 3'-8 1/2" Length of plain part top ✓ Thickness of plates crown } 21" 1/2"
escription of longitudinal joint Weld No. of strengthening rings None Working pressure of furnace by the rules 226 Combustion chamber
ates: Material S Thickness: Sides 2 1/32" Back 2 1/32" Top 2 1/32" Bottom 7/8" Pitch of stays to ditto: Sides 7 1/4 x 5 1/2" Back 9 x 7 1/4" ✓
p 7 1/4 x 5" If stays are fitted with nuts or riveted heads Nuts ✓ Working pressure by rules 221 Material of stays S Area at
allest part 1.76 Area supported by each stay 65.8 Working pressure by rules 240 End plates in steam space: Material S Thickness 1 3/16" ✓
itch of stays 18 x 17 How are stays secured 5 N. & 10. Working pressure by rules 217 Material of stays S Area at smallest part 706 ✓
rea supported by each stay 306 Working pressure by rules 240 Material of Front plates at bottom S Thickness 7/8" Material of
ower back plate S Thickness 7/8" Greatest pitch of stays 13 1/2" Working pressure of plate by rules 231 Diameter of tubes 3 1/4" ✓
itch 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
ter spaces 14 1/4" Working pressures by rules 308 Girders to Chamber tops: Material S Depth and thickness of
der at centre 7 1/2 x 13 1/4" Length as per rule 26 3/32 Distance apart 8 ✓ Number and pitch of Stays in each 3 @ 7 3/4" ✓
orking pressure by rules 263 Steam dome: description of joint to shell ✓ % of strength of joint
iameter ✓ Thickness of shell plates ✓ Material ✓ Description of longitudinal joint ✓ Diam. of rivet holes ✓
itch 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 ✓
le of Test ✓ Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler ✓
iameter of Safety Valve ✓ Pressure to which each is adjusted ✓ Is Easing Gear fitted ✓

The foregoing is a correct description,

50 Tubes (ordered by E.W.D.O.)
100 Ferrules

Manufactured by rules End plates in steam space by rules Material of stays

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