

## REPORT ON BOILERS.

No. 40341

Received at London Office

WED. SEP. 15 1920

Date of writing Report 10.9.20 When handed in at Local Office 11.9.20 Port of Glasgow  
 No. in Survey held at Glasgow Date, First Survey 24th March 1920 Last Survey 26th Aug 1920  
 Reg. Book. on the Baler T.K. 9 shipped to Cadix (Number of Visits 14) Gross Tons 14 Net 14  
 Master Barclay Built at Glasgow By whom built Barclay, Curle & Co When built 1920  
 Engines made at Glasgow By whom made Barclay, Curle & Co When made 1920  
 Boilers made at Glasgow By whom made Barclay, Curle & Co When made 1920  
 Registered Horse Power 15452 Owners The Glasgow & North Ayrshire Co. & John Barclay & Sons Port belonging to Glasgow

## MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.

(Letter for record S) Total Heating Surface of Boilers 860 Is forced draft fitted ✓ No. and Description of Boilers one single ended Working Pressure 100 Tested by hydraulic pressure to 200 Date of test 26.8.20  
 No. of Certificate 15452 Can each boiler be worked separately ✓ Area of fire grate in each boiler 30 No. and Description of safety valves to each boiler ✓ Area of each valve ✓ Pressure to which they are adjusted ✓  
 Are they fitted with easing gear ✓ In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓  
 Smallest distance between boilers or uptakes and bunkers or woodwork ✓ Mean dia. of boilers 10' 0" Length 10' 0"  
 Material of shell plates S Thickness 19/32" Range of tensile strength 38/32 Are the shell plates welded or flanged no  
 Descrip. of riveting: cir. seams S. R. long. seams T. R. Diameter of rivet holes in long. seams 7/8" Pitch of rivets 14 1/4"  
 Lap of plates 6 3/4" Per centages of strength of longitudinal joint 80.9 Working pressure of shell by rules 101 Size of manhole in shell 16" x 12" Size of compensating ring 28 1/2" x 24 1/2" No. and Description of Furnaces in each boiler 2 plain Material S Outside diameter 3' 1 1/2" Length of plain part top 6' 0" Thickness of plates crown 19/32" bottom 6' 9 1/2" bottom 32  
 Description of longitudinal joint weld No. of strengthening rings ✓ Working pressure of furnace by the rules 100 Combustion chamber plates: Material S Thickness: Sides 9 1/16" Back 9 1/16" Top 9 1/16" Bottom 23/32" Pitch of stays to ditto: Sides 11" x 9 1/2" Back 11" x 9 1/2"  
 Top 11" x 9 1/2" If stays are fitted with nuts or riveted heads into Working pressure by rules 109 Material of stays S Area at smallest part 1.45 Area supported by each stay 104.5 Working pressure by rules 110 End plates in steam space: Material S Thickness 25/32"  
 Pitch of stays 17" How are stays secured D.N.T.W. Working pressure by rules 100 Material of stays S Area at smallest part 2.87  
 Area supported by each stay 289 Working pressure by rules 104 Material of Front plates at bottom S Thickness 25/32" Material of Lower back plate S Thickness 32 Greatest pitch of stays 12 1/2" x 9 1/2" Working pressure of plate by rules 171 Diameter of tubes 3 1/4"  
 Pitch of tubes 4 1/8" x 4 1/8" Material of tube plates S Thickness: Front 23/32" Back 1 1/16" Mean pitch of stays 12 1/2" Pitch across wide water spaces 13 1/4" Working pressures by rules 107 Girders to Chamber tops: Material S Depth and thickness of girder at centre 2 @ 7 1/4" x 5" Length as per rule 30 1/4" Distance apart 11" Number and pitch of Stays in each 2 @ 9 1/2"  
 Working pressure by rules 101 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 ✓

Survey request form

The foregoing is a correct description,

FOR BARCLAY, CURLE &amp; CO., LTD.

Manufacturer.

Dates of Survey 1920 Mar 24 Apr 8, 26, 30 May 3/2, 24, 31 Jun 14, 28 July 6, 15 Aug 26 Is the approved plan of boiler forwarded herewith Yes  
 while building During erection on board vessel --- Total No. of visits 14

## GENERAL REMARKS (State quality of workmanship, opinions as to class, &amp;c.)

This boiler has been built under special survey: the material & workmanship being good & proved satisfactory under hydraulic test.

Survey Fee ... £ 2.17.0 When applied for 13.9.20  
 Travelling Expenses (if any) £ : : When received 29.10.20

Committee's Minute GLASGOW 14 SEP 1920

Assigned

Transmit to London.

as Easthope & A. T. Thomas.  
 Engineer Surveyor to Lloyd's Register of Shipping.

W528-0195

Lloyd's Register  
 Foundation