

REPORT ON BOILERS.

No 29106.

Received at London Office THUR. 21 JUL 1910

Writing Report 2nd July 1910 When handed in at Local Office 4th July 1910 Port of Glasgow
 of Safe Survey held at Pollokshaws, Glasgow Date, First Survey H. A. Dalglish Last Survey 23rd June 1910.
 Book. S. S. Airmaird Head. (Number of Visits 13) Gross 190.09
 on the S. S. Airmaird Head. Tons Net 73.35
 ster John Campbell. Built at Bowling By whom built Scott & Sons. When built 1910
 nines made at Govan By whom made Gaudie & Gillespie when made 1910
 lers made at Pollokshaws By whom made H. A. Dalglish (No. 466) when made 1910.
 istered Horse Power Owners A. J. Hendry & J. MacGregor Port belonging to Keith

ULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY. Manufacturers of Steel D. Colville & Sons Ltd
 tter for record S Total Heating Surface of Boilers 862 sq ft Is forced draft fitted ☒ No. and Description of
 ilers One, Single Ended Working Pressure 125 lb Tested by hydraulic pressure to 250 lb Date of test 23/6/10
 of Certificate 10462 Can each boiler be worked separately ☒ Area of fire grate in each boiler 30 sq ft No. and Description of
 ety valves to each boiler ☒ Area of each valve ☒ Pressure to which they are adjusted ☒
 e they fitted with easing gear ☒ In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ☒
 allest distance between boilers or uptakes and bunkers or woodwork ☒ Inside Mean dia. of boilers 10'-0" Length 9'-6"
 aterial of shell plates Steel Thickness 2 1/32" Range of tensile strength 28/32 Are the shell plates welded or flanged No
 escrip. of riveting: cir. seams 2 R. Lap long. seam 3 R. Butt Diameter of rivet holes in long. seams 7/8" Pitch of rivets 4 7/8"
 p of plates or width of butt straps 9 1/2" Per centages of strength of longitudinal joint rivets 83.5 plate 82.0 Working pressure of shell by
 les 127 lb Size of manhole in shell 16" x 12" Size of compensating ring 6" x 2 1/32" No. and Description of Furnaces in each
 ilder No, plain Material Steel Outside diameter 37 1/8" Length of plain part top 72" Thickness of plates crown } 9/16"
 escription of longitudinal joint Welded No. of strengthening rings None Working pressure of furnace by the rules 127 Combustion chamber
 ates: Material Steel Thickness: Sides 1/2" Back 1/2" Top 1/2" Bottom 1/2" Pitch of stays to ditto: Sides 8 x 7 1/2 Back 7 1/4 x 7 1/2"
 op 8 x 7. If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 128 Material of stays Steel Diameter at
 allest part 1 7/8" Area supported by each stay 81 sq in Working pressure by rules 155 End plates in steam space: Material Steel Thickness 13/16"
 itch of stay 14 x 14 How are stays secured B. nuts Working pressure by rules 150 Material of stay Steel Diameter at smallest part 2.660"
 rea supported by each stay 196 sq in Working pressure by rules 141 Material of Front plates at bottom Steel Thickness 13/16" Material of
 ower back plate Steel Thickness 13/16" Greatest pitch of stays 13 3/4" Working pressure of plate by rules 187 Diameter of tubes 3 1/4"
 itch of tubes 4 3/8" Material of tube plate Steel Thickness: Front 13/16" Back 19/32" Mean pitch of stays 9 1/16" Pitch across wide
 ater spaces 13 3/4" Working pressures by rules 125 lb Girders to Chamber tops: Material Steel Depth and thickness of
 ilder at centre 6 1/2" x 1" Length as per rule 26 29/32 Distance apart 7" Number and pitch of Stays in each No, 8"
 Working pressure by rules 126 lb Superheater or Steam chest; how connected to boiler None. Can the superheater be shut off and the boiler worked
 eparately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
 oles Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 f stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed
 Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

Survey request form

No. 380. attached

The foregoing is a correct description,

H. A. Dalglish. Manufacturer.

Dates of Survey During progress of work in shops - - 1910 Apr 4. 9. May 3. 10. 11. 12. 16. 19. Is the approved plan of boiler forwarded herewith Yes & Invoices
 while building During erection on board vessel - - June 2. 7. 15. 20. 28. Total No. of visits 13

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

This boiler has been built under special Survey. The materials and workmanship are of good quality and on completion was tested by hydraulic pressure to 250 pounds per square inch and was found tight and sound at that pressure.

Survey Fee ... £ 2 : 13/4

When applied for.

Travelling Expenses (if any) £ :

When received.

George R. Murdoch.

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

Glasgow

20 JUL. 1910

Assigned See minute on machinery report.

012553-012563-0201

Lloyd's Register
Foundation