

REPORT ON BOILERS.

No. 28811.

WELL 27 APR 1910

Received at London Office

Date of writing Report *27th Apr 1910* When handed in at Local Office *27th Apr 1910* Port of *Glasgow*
 No. in Survey held *at Pollokshaws Glasgow* Date, First Survey *25th Oct 1909* Last Survey *27th March 1910*
 Reg. Book. *on the S S Loch Estive* (Scott & Sons in 220) Tons Gross *236.51* Net *88.58*
 Master *By whom built* *Scott & Sons* When built *1910*
 Engines made at *Paisley* By whom made *Fishers Ltd* when made *1910*
 Boilers made at *Pollokshaws* By whom made *A. & H. Dalglish (438)* when made *1910*
 Registered Horse Power *54* Owners *J. & E. Stewart* Port belonging to *Glasgow*

MULTITUBULAR BOILERS—MAIN, ~~AUXILIARY OR DONKEY~~—Manufacturers of *David Colville & Sons Ltd*
 (Letter for record *S*) Total Heating Surface of Boilers *1308* Is forced draft fitted ☒ No. and Description of
 Boilers *One Single Ended* Working Pressure *135 lb* Tested by hydraulic pressure to *270 lb* Date of test *8/3/10*
 No. of Certificate *10309* Can each boiler be worked separately ☒ Area of fire grate in each boiler *40* No. and Description of
 safety valves to each boiler *2 Double Springs* Area of each valve *594* Pressure to which they are adjusted *140*
 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 or uptakes and bunkers or woodwork *6 feet* Inside dia. of boilers *12'-6"* Length *10'-0"*
 Material of shell plates *Stul* Thickness *13/16"* Range of tensile strength *28/32* Are the shell plates welded or flanged *No*
 Descrip. of riveting: cir. seams *DR Lap* long. seams *4.R Butt* Diameter of rivet holes in long. seams *15/16"* Pitch of rivets *6"*
 Lap of plates or width of butt straps *14 3/4"* Per centages of strength of longitudinal joint *84.2* Working pressure of shell by
 rules *136* Size of manhole in shell *16" x 12"* Size of compensating ring *6 x 13/16"* No. and Description of Furnaces in each
 boiler *Two, plain* Material *Stul* Outside diameter *45"* Length of plain part *76"* Thickness of plates *11/16"*
 Description of longitudinal joint *Welded* No. of strengthening rings *None* Working pressure of furnace by the rules *135* Combustion chamber
 plates: Material *Stul* Thickness: Sides *9/16"* Back *9/16"* Top *9/16"* Bottom *15/16"* Pitch of stays to ditto: Sides *9 x 8* Back *9 x 8"*
 Top *9 x 9* If stays are fitted with nuts or riveted heads *Nuts* Working pressure by rules *136* Material of stays *Stays* Diameter at
 smallest part *1.240"* Area supported by each stay *72* Working pressure by rules *136* End plates in steam space: Material *Stul* Thickness *31/32"*
 Pitch of stays *18 x 17* How are stays secured *Nuts* Working pressure by rules *137* Material of stays *Stul* Diameter at smallest part *4.30"*
 Area supported by each stay *306* Working pressure by rules *146* Material of Front plates at bottom *Stul* Thickness *23/32"* Material of
 Lower back plate *Stul* Thickness *23/32"* Greatest pitch of stays *13"* Working pressure of plate by rules *172* Diameter of tubes *3 1/2"*
 Pitch of tubes *4 3/4"* Material of tube plate *Stul* Thickness: Front *23/32"* Back *21/32"* Mean pitch of stays *10 5/16"* Pitch across wide
 water spaces *14 1/2"* Working pressures by rules *159 lb* Girders to Chamber tops: Material *Stul* Depth and thickness of
 girder at centre *7 3/4 x 1 1/8"* Length as per rule *28 3/4"* Distance apart *9"* Number and pitch of Stays in each *Two, 9"*
 Working pressure by rules *149* Superheater or Steam chest: how connected to boiler *None* Can the superheater be shut off and the boiler worked
 separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
 holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 If 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

The foregoing is a correct description,

A. & H. Dalglish Manufacturer.

Dates of Survey *1909. Oct 25. 28. Nov 9. 19. Dec 4. 8. 12. 17.* Is the approved plan of boiler forwarded herewith *Yes.*
 while *1910. Jan 12. 24. Feb 9. 10. 28. Mar. 3.* Total No. of visits *14*
 building *During progress of work in shops - -*
During erection on board vessel - - -

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 water to 270 pounds per square inch & was found tight & sound at that pressure.

Survey Fee *£ 10.00* When applied for. *19*
 Travelling Expenses (if any) *£ 0.00* When received. *19*

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

Committee's Minute

GLASGOW 26 APR. 1910

Assigned

See minute on accompanying machinery report.

002163

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Lloyd's Register
 Foundation