

REPORT ON BOILERS.

No. 31823.

Date of writing Report *15. 1. 1913* When handed in at Local Office *7. 9. 1912* Port of *Glasgow* Received at London Office *WED. SEP. 11. 1912*
 Description of Safety *New.* No. in Survey held at *Garfin* Date, First Survey *23. 7. 12* Last Survey *14. 9. 1912*
 Adjustment *on the* Vertical Boiler *9' 0" / 14 x 3.* for SS. *VOLTURNUS* (Number of Visits *9.*) Gross *615*
 Length Master *J. Cartwright* Built at *Workington* By whom built *R. Williamson & Son (Nº 215)* When built *1913* Tons Net *252*
 Boilers made at *Garfin* By whom made *A. Anderson and Sons* When made *1912*
 Owners *Rogers & Bright Ltd.* Port belonging to *Liverpool*

VERTICAL DONKEY BOILER— No. *One* Description *Vertical. X. Tube* Manufacturers of steel *D Colville & Sons*
 Made at *Garfin* By whom made *A. Anderson & Sons* When made *1912* Where fixed *Stokehold* Working pressure *45 lbs*
 tested by hydraulic pressure to *150* Date of test *4. 9. 12* No. of Certificate *11457* Fire grate area *22.64* Description of safety valves *1- Spring loaded*
 No. of safety valves *4.* Area of each *11.04* Pressure to which they are adjusted *80 lbs* If fitted with easing gear *Yes.* If steam from main boilers can enter the donkey boiler *No.* Dia. of donkey boiler *6'-0"* Length *11'-0"* Material of shell plates *Steel* Thickness *3/8"* Range of tensile strength *28-32* Descrip. of riveting long. seams *D. R. Lap.* Dia. of rivet holes *13/16"* Whether punched or drilled *drilled* Pitch of rivets *2 3/4"*
 Lap of plating *4"* Per centage of strength of joint *85.8* Working pressure of shell by rules *80 lbs* Thickness of shell crown plates *1/2"*
 Radius of do. *6'-0"* No. of Stays to do. *4.* Dia. of stays *1 3/4"* Diameter of furnace Top *5'-1 1/8"* Bottom *5'-3 1/2"* Length of furnace *6'-10"* S'-4"
 Thickness of furnace plates *7/16"* Description of joint *weld* Working pressure of furnace by rules *83* Thickness of furnace crown plates *9/16"* Radius of do. *5'-0"* Stayed by *4-1 3/4 stay* Diameter of uptake *16"* Thickness of uptake plates *1/2"*
 Thickness of water tubes *3/8"*

The foregoing is a correct description.

Alex Anderson & Sons Manufacturer.

Dates of Survey { During progress of work in shops - *1912. July 23-25-30. Aug. 9. 13. 16-21-30. Sept. 4.*
 while building { During erection on board vessel - -
 Total No. of visits *9.*

Is the approved plan of boiler forwarded herewith *Yes*

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

This Boiler has been built under special survey in accordance with the approved plan and the workmanship and material are of good quality.
 The Boiler has been made to the order of Messrs Ross and Duncan Gordon, and intended for Messrs R. Williamson and Sons S. S. 715.

Survey request form.

No. *955* attached

This boiler has been securely fitted aboard and its safety valves adjusted under steam.

Survey Fee ... £ *2 : 2 :*
 Travelling Expenses (if any) £ :

When applied for, *9. 9. 1912*
 When received, *11. 9. 1912*

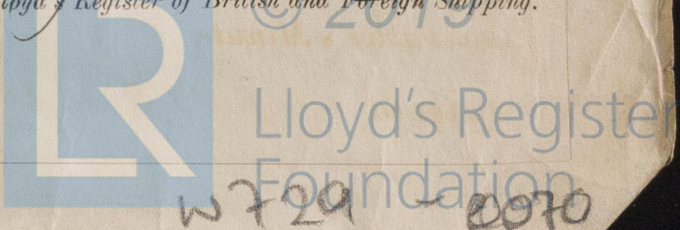
Fred. A. Ferguson P. J. Brown
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

GLASGOW 10 SEP. 1912

Committee's Minute

Assigned

Transmit to London.



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