

## REPORT ON BOILERS.

No. 30745-  
WED. NOV. 1-1911

Date of writing Report *June 5<sup>th</sup> 1911* When handed in at Local Office *10.6.10* Port of *Glasgow*  
 No. in Survey held at *Glasgow* Date, First Survey *2<sup>nd</sup> Dec. 1910* Last Survey *June 5<sup>th</sup> 1911*  
 Reg. Book. *Main Boilers designated R8. for "Glensloy"* (Number of Visits *26*)  
 Master *Port Glasgow* Built at *Port Glasgow* By whom built *A. Rodgers & Co (416)* When built *1911*  
 Engines made at *Glasgow* By whom made *A. Rodgers & Co.* when made *1911*  
 Boilers made at *Glasgow* By whom made *Barclay Curle & Co. Ltd.* when made *1911*  
 Registered Horse Power \_\_\_\_\_ Owners \_\_\_\_\_ Port belonging to \_\_\_\_\_

MULTITUBULAR BOILERS—MAIN, ~~SUPPLEMENTARY OR DONKEY~~ Manufacturers of Steel *Wm Beardmore & Co. Ltd.*  
 (Letter for record *J.*) Total Heating Surface of Boilers *5196* Is forced draft fitted ☒  
 Boilers *two Single Ended* Working Pressure *180 lbs* Tested by hydraulic pressure to *360 lbs* Date of test *5.6.11*  
 No. of Certificate *11040* Can each boiler be worked separately ☒ Area of fire grate in each boiler *609* 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 *16'-6"* Length *10'-9"*  
 Material of shell plates *steel* Thickness *1 5/16"* Range of tensile strength *28/32 tons* Are the shell plates welded or flanged *no*  
 Descrip. of riveting: cir. seams *D.R.* long. seams *T.R.D.B.S* Diameter of rivet holes in long. seams *1 3/4"* Pitch of rivets *9 1/2"*  
~~Top of plates~~ width of butt straps *20"* Per centages of strength of longitudinal joint rivets *103* Working pressure of shell by  
 rules *180* Size of manhole in *16" x 12"* Size of compensating ring \_\_\_\_\_ No. and Description of Furnaces in each  
 boiler *3 Corrugated* Material *steel* Outside diameter *4'-4 1/2"* Length of plain part *top* \_\_\_\_\_ Thickness of plates *bottom* *19"*  
 Description of longitudinal joint *weld* No. of strengthening rings *none* Working pressure of furnace by the rules *180* Combustion chamber  
 plates: Material *steel* Thickness: Sides *5"* Back *5"* Top *5"* Bottom *13"* Pitch of stays to ditto: Sides *8 1/2" x 8 1/2"* Back *9" x 8"*  
 Top *9" x 8 1/4"* If stays are fitted with nuts or riveted heads *nuts* Working pressure by rules *181* Material of stays *steel* Diameter at  
 smallest part *1.73"* Area supported by each stay *74.25"* Working pressure by rules *186* End plates in steam space: Material *steel* Thickness *1 1/8"*  
 Pitch of stays *19" x 16 1/4"* How are stays secured *D. nuts* Working pressure by rules *181* Material of stays *steel* Diameter at smallest part *5.56"*  
 Area supported by each stay *308.75"* Working pressure by rules *187* Material of Front plates at bottom *steel* Thickness *1 1/8"* Material of  
 Lower back plate *steel* Thickness *3/4"* Greatest pitch of stays *14 1/2" x 9"* Working pressure of plate by rules *242* Diameter of tubes *3 1/4"*  
 Pitch of tubes *4 1/2" x 4 3/8"* Material of tube plates *steel* Thickness: Front *1 1/8"* Back *1 1/8"* Mean pitch of stays *abt. 10"* Pitch across wide  
 water spaces *14 1/4"* Working pressures by rules *199* Girders to Chamber tops: Material *steel* Depth and thickness of  
 girder at centre *10" x 20 3/4"* Length as per rule *2'-10 9/16"* Distance apart *9"* Number and pitch of Stays in each *308 1/2"*  
 Working pressure by rules *194* 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 \_\_\_\_\_

Survey request form

No. *566* AttachedThe foregoing is a correct description,  
FOR BARCLAY, CURLE & CO., LTD.

Manufacturer.

Dates of Survey { During progress of 1910. Dec. 2. 5. 12. 15. 19. 29. 22.  
 work in shops - - }  
 while { During erection on 1911. Jan. 13. 16. 30. Feb. 9. 17. 27. Mar. 7. 9. 17. 23.  
 building { board vessel - - } April 2. 5. 7. 20. May 8. 17. 23. 30 June 5.

Is the approved plan of boiler forwarded herewith *Yes*Total No. of visits *26*

## GENERAL REMARKS

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

*The materials & workmanship are good. These boilers have been built under special survey in accordance with the rules and approved plan, and are to be fitted on board the above vessel at Glasgow.*

Survey Fee charged on each Rept. \_\_\_\_\_ When applied for, \_\_\_\_\_ 19.

Travelling Expenses (if any) £ \_\_\_\_\_ When received, \_\_\_\_\_ 19.

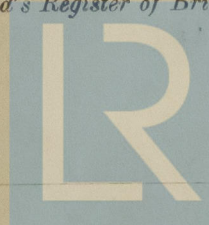
H.C. Forster

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

Committee's Minute

Assigned *See minute on accompanying machs report.*

GLASGOW 31 OCT. 1911



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