

REPORT ON BOILERS

13 NOV 1935 No. 56306

Date of writing Report 7-11-35 When handed in at Local Office 9-11-35 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 10-9-35 Last Survey 6-11-35
 Reg. Book. Boiler No. 13210. (Number of Visits 11) (Gross Tons) (Net Tons)
 Master Built at By whom built When built
 Boilers made at By whom made When made
 Owners Port belonging to

VERTICAL DONKEY BOILER— No. 1 Description *Cochran* Manufacturers of steel *Steel Co. S. Land*
 Made at *Annan* By whom made *Cochran & Co. Annan* When made *1935* Where fixed *Prider's hold* Working pressure *100*
 Tested by hydraulic pressure to *200* Date of test *6-11-35* No. of Certificate *19627* Fire grate area *14 1/2* Description of safety valves *S.S.*
 No. of safety valves *2* Area of each *3.14* Pressure to which they are adjusted *✓* If fitted with easing gear *✓* If steam from main boilers can enter the donkey boiler *✓*
 Diameter of donkey boiler *5'-3"* Length *11'-9"* Material of shell plates *S* Thickness *1 3/32" - 1/2"*
 Range of tensile strength *28-32* Description of riveting long. seams *A.R.L.* Diameter of rivet holes *2 5/32"* Whether punched or drilled *drilled*
 Pitch of rivets *2.594, 2.625, 2.675* Lap of plating *3 7/8"* Per centage of strength of joint *72.45* Working pressure of shell by rules *117.7*
 Thickness of shell crown plates *64-1/8"* Radius of do. *2'-7 1/2"* No. of stays to do. *None* Diameter of stays *✓* Diameter of furnace—Top *4'-6"* Bottom *4'-6"* Length of furnace *2'-5 3/8"* Thickness of furnace side plates *1/2"* Description of joints *seamless* Working pressure of furnace by rules *153*
 Thickness of Ogee ring *43/64"* Working pressure of Ogee ring by rules *104* Thickness of furnace crown plates *1/2"* Radius of do. *2'-3"* Stayed by *hemisphere* Diameter of uptake *13" x 19 1/2"* Thickness of uptake plates *9/16"*
 Thickness of tube plates *front 11/16" back 9/16"* Mean pitch of stay tubes in nest *10.7"* Pitch in outer vertical rows *8"*
 Diameter of tube holes FRONT *2 1/16"* BACK *2 1/2"* Working pressure of tube plates by rules *F105.7, B110* Tubes: Material *Iron*
 External diameter *2 1/2"* Thickness *11/32"* No. of threads per inch *9* Pitch of tubes *4" x 3 1/16"*
 Working pressure by rules *125* Manhole compensation: Size of opening in shell plate *16" x 12"* Section of compensating ring *6" x 5/8"*
 No. of rivets and diameter of rivet holes *36 - 2 5/32"* Outer row pitch at ends *3 1/16"*

OR COCHRAN & CO., ANNAN, LTD
 The foregoing is a correct description,
 E. R. R. WORKS MANUFACTURER.

Dates of Survey while building { During progress of work in shops - 1935 Sp: 10. 16. 20. 23. 26. 30 Oct: 9. 17. 26. 31 Nov: 6
 { During erection on board vessel - - -
 Total No. of visits 11 Drawing No. 21237
 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 Society's Rules and requirements, the materials and workmanship are good*

The boiler is to the order of the North Eastern Marine Engineering Co. Ltd. Sunderland

9/11/35

This boiler has been efficiently fitted on board the S/S Fulham examined under steam & safety valves adjusted 100 lbs.

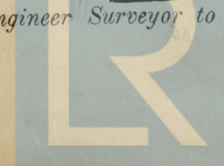
Survey Fee ... £ 4 : 4 : } When applied for ... 19...
 Travelling Expenses (if any) £ : : } When received ... 19...

MONTHLY ACCOUNT

Jas. S. Cairns 2020
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute *GLASGOW 12 NOV 1935*
 Assigned *TRANSMIT TO LONDON*

002659-002666-0097



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