

# REPORT ON BOILERS.

No. 42196

Received at London Office **WED. OCT. 25 1922**

Date of writing Report **23.10.22** When handed in at Local Office **23.10.22** Port of **Glasgow**  
No. in Survey held at **Annan** Date, First Survey **22.9.22** Last Survey **26.9.1922**  
By Book. (Number of Visits **2**) Gross Tons **Net**  
on the **Cochran Boiler No. 8964**  
Built at **Annan** By whom built **New<sup>2</sup> Cochran & Co. Ltd.** When built **1922**  
Boilers made at **Annan** By whom made **New<sup>2</sup> Cochran & Co. Ltd.** When made **1922**  
Boilers owned by **Annan** Port belonging to **Annan**

**VERTICAL DONKEY BOILER** No. **8964** Description **Cochran** Manufacturers of steel **D. L. Colville & Son, Ltd.**  
Made at **Annan** By whom made **Cochran & Co. Ltd.** When made **1922** Where fixed **stokehold** Working pressure **100**  
Tested by hydraulic pressure to **200** Date of test **24.9.22** No. of Certificate **6119** Fire grate area **41** Description of safety valves **Spring**  
No. of safety valves **2** Area of each **7.07** Pressure to which they are adjusted **100 lbs** If fitted with easing gear **yes** If steam from main boilers can  
enter the donkey boiler **no** Dia. of donkey boiler **8'-6"** Length **14'-0"** Material of shell plates **S** Thickness **19/32** Range of tensile  
strength **24/32** Descrip. of riveting long. seams **D.R.L.** Dia. of rivet holes **9/16** Whether punched or drilled **yes** Pitch of rivets **2.875**  
Type of plating **4 3/4** Per centage of strength of joint Rivets **69.5** Working pressure of shell by rules **106.5** Thickness of shell crown plates **1 1/8**  
Radius of do. **4'-3"** No. of Stays to do. **66.3** Dia. of stays **1 1/8** Working pressure of furnace by rules **122** Thickness of furnace crown plates **1 1/8**  
Thickness of furnace plates **2 1/32** Description of joint **S.L.** Working pressure of furnace by rules **122** Thickness of furnace crown plates **1 1/8**  
Radius of do. **4'-3"** Stayed by **Hemisphere** Diameter of uptake **28 1/2 x 8** Thickness of uptake plates **9/16**  
Thickness of water tubes **1 1/8** Radius of do. **4'-3"** Stayed by **Hemisphere** Diameter of uptake **28 1/2 x 8** Thickness of uptake plates **9/16**

The foregoing is a correct description,  
For **COCHRAN & CO., ANNAN, LIMITED** Manufacturer.  
**W. O. Gray.**

Dates During progress of work in shops - **1922 Sep 22-26**  
Survey while building During erection on board vessel - -  
Total No. of visits **2** Drawing No. **12422**  
Is the approved plan of boiler forwarded herewith

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

This boiler was not built under special survey. It has been examined throughout, scantlings checked, and found in accordance with the approved plan. The workmanship and materials are good. The materials have been tested by the Society Surveyor at the Steel Works, and certificates of tests produced.  
The boiler has been tested by hydraulic pressure to 200 lbs per sq inch, and found tight.  
The boiler has been shipped to Hong Kong to be fitted in the Hong Kong & W. Hampshire S. S. Co. Hull No. 594.  
Note. The scantlings of this boiler appear to be in accordance with the rules, but time did not permit of its being formally submitted before test.

Survey Fee ... £ **4 : 4** 0/ When applied for, **10**  
Travelling Expenses (if any) £ **Monthly A/c.** When received, **19**  
**MONTHLY ACCOUNT**  
Committee's Minute **GLASGOW 24 OCT 1922**  
Assigned **TRANSMIT TO LONDON**

Engineer Surveyor to Lloyd's Register of Shipping.  
**Lloyd's Register Foundation**  
006189-006203-0243  
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