

# REPORT ON BOILERS.

No. 42732.

Date of writing Report 11<sup>th</sup> May 1923 When handed in at Local Office 12. 5. 1923 Port of Glasgow  
 No. in Survey held at Annan Date, First Survey 4. 5. '23 Last Survey 11. 5. 1923  
 Reg. Book. 11446 on the Coehran Boiler No 9025 1/2. WHEAT PLAIN (Number of Visits 2)  
 Master Bideford Built at Annan By whom built Hansen & Building & Rep & Cold When built 1922  
 Boiler made at Annan By whom made Coehran & Co., Annan Ltd. When made 1923  
 Owners Mun & Fuller & Baler Port belonging to Carriff

**VERTICAL DONKEY BOILER**— No. One Description Coehran Manufacturers of steel D. Colville & Sons, Ltd.  
 Made at Annan By whom made Coehran & Co., Annan Ltd. When made 1923 Where fixed Holthorn Working pressure 100 lbs.  
 tested by hydraulic pressure to 200 lbs. Date of test 11. 5. 23 No. of Certificate 16253 Fire grate area 93 1/4 Description of safety valves Spring loaded  
 No. of safety valves 2 Area of each 1.76 Pressure to which they are adjusted 102 lbs. If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No  
 Dia. of donkey boiler 4'-6" Length 10'-0" Material of shell plates steel Thickness 3/8" 7/16" Range of tensile strength 28/32 Descrip. of riveting long. seams D.R. lap Dia. of rivet holes 23/32" Whether punched or drilled drilled Pitch of rivets 2 3/8"  
 Lap of plating 3 3/4" Per centage of strength of joint 75.1 Working pressure of shell by rules 122 lbs. Thickness of shell crown plates 9. 2 1/4"  
 Radius of do. 4'-6" No. of Stays to do. None Dia. of stays — Diameter of furnace Top Hemisphere Bottom 4.5" Length of furnace 2'-0 7/8"  
 Thickness of furnace plates 1/2" Ogee Description of joint Seamless Working pressure of furnace by rules 183 lbs. Thickness of furnace crown plates 1/2"  
 Radius of do. 22 1/2" Stayed by Hemisphere Diameter of uptake 10 1/2" x 17" Thickness of uptake plates 1/2"  
 Thickness of water tube plates 1/2" The foregoing is a correct description.  
FOR COCHRAN & CO., ANNAN, LIMITED Manufacturer.  
G. Waller.

Dates of Survey  
 During progress of work in shops - 1923 May 4 11  
 During erection on board vessel - —  
 while building - —  
 Total No. of visits 2

Drawing No. 13151  
 Is the approved plan of boiler forwarded herewith Yes

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

This boiler, which has not been built under Special Survey, has been examined throughout, and the scantlings checked and found in accordance with the approved plan; the materials have been tested by the Society's Surveyors, and the marks on plates verified with the certificates; the boiler has been tested by hydraulic pressure to 200 lbs. per square inch with satisfactory results; workmanship good.  
 This boiler is a duplicate of the Boiler No 9024, and is to the order of Messrs. Wm Beardmore Co., Speedwell Iron Works, Coatbridge, for their Engine No 594.  
 This boiler has now been fitted & secured on board the above vessel under steam & the safety valves adjusted (basket 92) & found in order.

Annual Survey Request.

Survey Fee ... £ 4 : 4 : When applied for, Monthly 19 23  
 Travelling Expenses (if any) £ : : When received, 19 23

R. B. Forster John W. Cunningham  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 15 MAY 1923  
 Assigned TRANSMIT TO LONDON

TUE MAR. 25 1924

Lloyd's Register  
 Foundation