

# REPORT ON BOILERS

No. 43041

27 SEP. 1923

Received at London Office

Date of writing Report 21. 9. 1923 When handed in at Local Office 25. 9. 1923 Port of Glasgow

No. in Survey held at Annan Date, First Survey 29. 6. 23 Last Survey 21. 9. 1923

Reg. Book. on the Cochran Boiler No 9223. M/S "Luxmi" (Number of Visits 9) Tons { Gross 4148 Net 2537

Master Built at Glasgow By whom built Harland & Wolff, Ltd. (6426) When built

Boilers made at Annan By whom made Cochran & Co., Annan Ltd. When made 1923

Owners Andrew Weir & Co Ltd. Port belonging to

**VERTICAL DONKEY BOILER**— No. One Description Cochran Manufacturers of steel D. Colville & Sons, Ltd.  
 Made at Annan By whom made Cochran & Co., Annan Ltd. When made 1923 Where fixed Engine room Working pressure 100 lbs.  
 tested by hydraulic pressure to 200 lbs. Date of test 21. 9. 23 No. of Certificate 16342 Fire grate area 11 3/4 sq. Description of safety valves Spring loaded  
 No. of safety valves / course Area of each 1. 7 sq. Pressure to which they are adjusted 100 lbs. If fitted with easing gear 44 If steam from main boilers can enter the donkey boiler ✓  
 Dia. of donkey boiler 4'-9" Length 12'-0" Material of shell plates Steel Thickness 3/8" x 7/16" Range of tensile strength 28/32 Descrip. of riveting long. seams DR Lap Dia. of rivet holes 23/32 Whether punched or drilled Drilled Pitch of rivets 2. 333"  
 Lap of plating 3 3/4 Per centage of strength of joint Rivets 74.3 Working pressure of shell by rules 118 lbs. Thickness of shell crown plates 9/16"  
 Radius of do. 4'-9" No. of Stays to do. None Dia. of stays — Diameter of furnace Top Hemisphere Bottom 4'-9" Length of furnace 2'-10"  
 Thickness of furnace plates 1/2" Description of joint Seamless & Ogee Working pressure of furnace by rules 172 lbs. Thickness of furnace crown plates 1/2"  
 Radius of do. 2'-0" Stayed by Hemisphere Diameter of uptake 11'-16 3/4" Thickness of uptake plates 1/2"  
 Thickness of water tube plates 3/8" F. 5/8" B.

The foregoing is a correct description, FOR COCHRAN & Co., ANNAN, LTD. Manufacturer. Thomas Valley.

Dates of Survey while building { During progress of work in shops - - 1923 Jun 29 Jul 27 Aug 3. 10 24 31 Sep 7. 13 21 }  
 { During erection on board vessel - - }  
 Total No. of visits 9

JOINT MANAGER.  
Drawing No 13461.  
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 Rules and Approved Plan; the materials and workmanship are good.  
 This boiler is a duplicate of the boiler No 9222, Glasgow Report No 42981, and is to be fitted on board the vessel at Glasgow.

## Annual Survey Request.

This Donkey Boiler has now been fitted on board the above vessel in an efficient manner. Safety valves adjusted under steam to 100 lb/s and everything found satisfactory. Washers For 3/32" AFT 1/8".

Survey Fee ... .. £ 4 : 4 : } When applied for, Monthly Account 19

Travelling Expenses (if any) £ : : } When received, 19

W. Forster & H. M. Crivick. Engineer Surveyors to Lloyd's Register of British and Foreign Shipping.

Committee's Minute Assigned

GLASGOW 26 SEP 1923 TRANSMIT TO LONDON

GLASGOW 1 APR 1924 See attached Report of the Lloyd's Register Foundation 004364-004368-0373