

WFD. 14 MAY. 1924

Sld. N° 28808

Sls. No. 43366

WFD. 20 FEB. 1924

## REPORT ON BOILERS.

Received at London Office

5b.

Date of writing Report 15<sup>th</sup> Feb. 1924 When handed in at Local Office 16<sup>th</sup> Feb. 1924 Port of Glasgow Sld. 11 May. 1924  
 No. in Survey held at Annan Date, First Survey 15. 6. 1923 Last Survey 15. 2. 1924  
 eg. Book. on the Boiler N° 9195 M.V. 'SILVER ELM.' (Number of Visits 9) Gross 4351 Tons Net 2638  
 Built at Sunderland By whom built W. Donford & Sons, Ltd. (N° 579) When built 1924  
 By whom made Cochran & Co., Annan Ltd. N° 9195 When made 1924  
 Port belonging to London

**VERTICAL DONKEY BOILER** No. One Description Cochran Manufacturers of steel Hobbs & Sons, Ltd.  
 Made at Annan By whom made Cochran & Co., Annan Ltd. When made 1924 Where fixed Eng. Room Working pressure 100 lbs./sq. in.  
 Tested by hydraulic pressure to 200 lbs./sq. in. Date of test 15. 2. 24 No. of Certificate 16426 Fire grate area 31.5 sq. ft. Description of safety valves Spring  
 No. of safety valves 2 Area of each 7.07 sq. in. Pressure to which they are adjusted 105 lbs. If fitted with easing gear YES If steam from main boilers can  
 enter the donkey boiler YES Dia. of donkey boiler 7'-6" Length 18'-9" Material of shell plates Steel Thickness 17" + 21" Range of tensile  
 length 28' 32" Descrip. of riveting long. seams DR Lap Dia. of rivet holes 29" Whether punched or drilled drilled Pitch of rivets 2.85"  
 up of plating 4 1/2" Per centage of strength of joint Rivets 70.1 Working pressure of shell by rules 104 lbs./sq. in. Thickness of shell crown plates 15" + 29"  
 Radius of do. 3'-9" No. of Stays to do. None Dia. of stays - Diameter of furnace Top Hemisphere Bottom 6'-6" Length of furnace 3'-4 3/8"  
 Thickness of furnace plates 9" Description of joint Beam & Ogee Ring Working pressure of furnace by rules 120 lbs./sq. in. Thickness of furnace crown  
 plates 9" Radius of do. 3'-3" Stayed by Hemisphere Diameter of uptake 21 1/2" x 25" Thickness of uptake plates 9"  
 Thickness of water tube plates 13" B.

The foregoing is a correct description,  
 For COCHRAN & CO., ANNAN, LIMITED Manufacturer.  
 Thomas Wally.

Dates During progress of work in shops - 1923 Jan 25 29 Jul 27 Aug 31 24 Oct 5. 17 1924 Feb 15  
 of Survey while building During erection on board vessel - -  
 Total No. of visits 9

Drawing N° 13454.

Is the approved plan of boiler forwarded herewith Yes

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

This boiler has been built under Special Survey in accordance with the Rules and Approved Plan; the materials and workmanship are good. The boiler is being forwarded to Sunderland to be fitted in the vessel.

## Annual Survey Request

This boiler has now been fitted and fired in vessel in a satisfactory manner and the oil fuel installation tested under working conditions with satisfactory results.

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

A. H. Forster, Eastgate  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

Assigned

GLASGOW 15 FEB 1924

TRANSMIT TO LONDON

TUE. 20 MAY. 1924

Lloyd's Register  
Foundation

900-101800-001500