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## REPORT ON BOILERS.

No. 43725

Received at London Office WED. 11 JUN. 1924

Date of writing Report 6<sup>th</sup> June, 1924 When handed in at Local Office 7<sup>th</sup> June, 1924 Port of Glasgow  
 No. in Survey held at Annan Date, First Survey 2.5.24 Last Survey 6.6.1924  
 Book. on the Cochran Boiler No. 9358 ✓ M/S "ELM WORTH" (Number of Visits 6) Gross 4963  
 Tons Net 3040  
 Built at Dumbarton By whom built A. McMillan & Son, Ltd. (636) When built  
 Made at Annan By whom made Cochran & Co., Annan Ltd. When made 1924  
 Owners R. S. Dalgluish & Co. Port belonging to

VERTICAL DONKEY BOILER— No. One ✓ Description Cochran ✓ Manufacturers of steel Dobell & Sons, Ltd. ✓  
 Made at Annan By whom made Cochran & Co., Annan Ltd. When made 1924 Where fixed Engine Room Working pressure 100 lb./sq. in.  
 Tested by hydraulic pressure to 200 lb./sq. in. Date of test 6.6.24 No. of Certificate 16523 Fire grate area 7.5 sq. ft. Description of safety valves Spring loaded ✓  
 of safety valves 2 ✓ Area of each 3.14 sq. in. Pressure to which they are adjusted 100 lb./sq. in. If fitted with easing gear Yes ✓ If steam from main boilers can  
 be used for the donkey boiler — ✓ Dia. of donkey boiler 3'-9" ✓ Length 10'-0" Material of shell plates Steel ✓ Thickness 3" 13/32" ✓ Range of tensile 2.292" ✓  
 Length 28' 3/4" ✓ Descrip. of riveting long. seams D.R. Lap ✓ Dia. of rivet holes 23/32" ✓ Whether punched or drilled drilled ✓ Pitch of rivets 2.239" ✓  
 of plating 3 3/4" ✓ Per centage of strength of joint Rivets 77.7 ✓ Plates 66.4 ✓ Working pressure of shell by rules 142 lb./sq. in. ✓ Thickness of shell crown plates 15/32" ✓  
 Radius of do. 3'-2" ✓ No. of Stays to do. None ✓ Dia. of stays — Diameter of furnace Top 3'-0 5/16" ✓ Bottom 3'-3 3/8" ✓ Length of furnace 2'-0 3/4" ✓  
 Thickness of furnace plates 15/32" ✓ Description of joint S.R. Lap ✓ Working pressure of furnace by rules 144 lb./sq. in. ✓ Thickness of furnace crown  
 plates 1/2" ✓ Radius of do. 23" ✓ Stayed by dished ✓ Diameter of uptake 8 1/2" 13 3/4" ✓ Thickness of uptake plates 1/2" ✓  
 Thickness of water tube plates 3 1/2" F.V. ✓ 1 1/2" B. ✓

The foregoing is a correct description.

For COCHRAN & CO., ANNAN, LIMITED Manufacturer.  
Thomas Waller.

Dates { During progress of work in shops - - } 1924 May 2. 7. 15. 23. 30 June  
 Survey while building { During erection on board vessel - - }  
 Total No. of visits 6

Drawing No. 13854 ✓Is the approved plan of boiler forwarded herewith yes. ✓

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been constructed under special survey in accordance with the Rules and approved plan; the materials and workmanship are good.

The boiler, which is a duplicate of Boiler No. 9227 - Glasgow Report No. 42999, is to the order of Messrs. Harland & Wolff, Ltd., Belfast, for the S.S. No. 6360.

This boiler has now been fitted on board the above vessel in an efficient manner,

examined under steam and found satisfactory safety valves adjusted to 100 lb./sq. in. Working P.S. 1/4"

Annual Survey Request

Survey Fee ... £ 4 : 4 : ✓ When applied for, Account ✓

Travelling Expenses (if any) £ : : When received, Account ✓

A. B. Forster, A. M. C. Cruick.  
 Engineer Surveyors to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

GLASGOW 10 JUN 1924

Assigned

TRANSMIT TO LONDON

Sec. Hs. Rpt. No. 44177

Lloyd's Register  
Foundation

002577-002582-0216