

pt. 5b.

## REPORT ON BOILERS.

No. 43534

Date of writing Report 4<sup>th</sup> April 1924 When handed in at Local Office 7<sup>th</sup> April 1924 Port of Glasgow Received at London Office WED. APR. 9 1924 FEB 13 25

No. in Survey held at Annan Date, First Survey 2-11-23 Last Survey 4-4-1924

Reg. Book. on the Cochran Boiler No 9160 "ENTON" (Number of Visits 10) Gross Tons Net Tons

Master Built at By whom built When built

Boilers made at Annan By whom made Cochran & Co., Annan Ltd. When made 1924

Owners 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 1924 Where fixed Eng. Room Working pressure 125 lbs/sq. in.

Tested by hydraulic pressure to 238 lbs/sq. in. Date of test 4-4-24 No. of Certificate 16475 Fire grate area 41 sq. ft. Description of safety valves Spring

No. of safety valves 2 Area of each 7.07 Pressure to which they are adjusted 125 lbs If fitted with easing gear yes If steam from main boilers can enter the donkey boiler yes

Dia. of donkey boiler 8'-6" Length 19'-6" Material of shell plates Steel Thickness  $\frac{3}{32}$  +  $\frac{7}{8}$ " Range of tensile strength 28,322 lbs Description of riveting long. seams DR lap Dia. of rivet holes  $1\frac{1}{8}$ " Whether punched or drilled drilled Pitch of rivets  $3\frac{3}{4}$ "

Cap of plating  $5\frac{3}{8}$ " Per centage of strength of joint Rivets 70.2 Working pressure of shell by rules 125 lbs/sq. in. Thickness of shell crown plates  $\frac{3}{32}$  +  $\frac{1}{8}$ "

Radius of do. 4'-3" No. of Stays to do. None Dia. of stays - Diameter of furnace Top Hemisphere Bottom 7'-6" Length of furnace 3'-6"

Thickness of furnace plates  $\frac{3}{16}$ " Description of joint Seamless & Open Ring Working pressure of furnace by rules 128 lbs/sq. in. Thickness of furnace crown plates  $\frac{3}{16}$ " Radius of do. 3'-9" Stayed by Hemisphere Diameter of uptake 18" x 28" Thickness of uptake plates  $\frac{9}{16}$ "

Thickness of water tube plates  $\frac{1}{32}$ "

The foregoing is a correct description,

By COCHRAN &amp; CO., ANNAN, LIMITED

Manufacturer.

Thomas Waller.

Dates of Survey while building

During progress of work in shops - 1923 Nov 2, 16 Dec 7, 14 1924 Jan 11, 18 Feb 1, 8, 15 Apr 4

During erection on board vessel -

Total No. of visits 10

Drawing No 13576

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.

The boiler is to the order of Messrs. The Wallsend Shipway and Engineering Co., Ltd., Wallsend-on-Tyne, contract No 853

Annual Survey Request

This boiler has been efficiently installed in the engine room of the motor vessel "Enton" on the bank-top. It has been fitted with 2 spring-loaded safety valves 7.07 sq. in. area and easing gear. The safety valves have been adjusted under steam to 125 lbs/sq. in.

R. Lee Amess

Newcastle-on-Tyne

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

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

MONTHLY ACCOUNT

A. B. Forster.

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

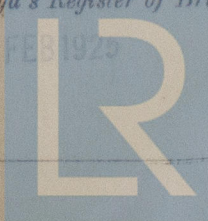
GLASGOW

-8 APR 1924

FRI. 27 FEB 1925

Assigned

TRANSMIT TO LONDON



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