

pt. 5b.

NEWCASTLE-ON-TYNE, Report No: 80118

# REPORT ON BOILERS.

No. 44945.

Date of writing Report Aug 22 1925 When handed in at Local Office 24.8.25 Port of Glasgow  
 No. in Survey held at Annan, Scotland Date, First Survey 20.5.25 Last Survey 21 August 1925  
 Reg. Book. on the Cochran Boiler No 9438 for Ellerman Engine Works Liverpool for S.S. No 1287 (Number of Visits 9) Gross Tons 1287 Net Tons 1287  
 Master hmc Built at Annan, Scotland By whom built Messrs Cochran & Co. Annan Ltd. When built 1925  
 Owners hmc Port belonging to hmc

**VERTICAL DONKEY BOILER** No. One Description Cochran Type Manufacturers of steel D. Colvile & Sons Ltd.  
 Made at Annan By whom made Cochran & Co. Annan Ltd. When made 1925 Where fixed Working pressure 150 lbs  
 tested by hydraulic pressure to 275 lbs Date of test 21/8/25 No. of Certificate 6711 Fire grate area 8.14 Description of safety valves Spring  
 No. of safety valves 2 Area of each 3.14 Pressure to which they are adjusted 150 lbs If fitted with easing gear yes If steam from main boilers can enter the donkey boiler no Dia. of donkey boiler 4'-0" Length 14'-0" Material of shell plates Steel Thickness 23/32" Range of tensile strength 31.875" Descrip. of riveting long. seams D.R. L.B.P. Dia. of rivet holes 1/8" Whether punched or drilled drilled Pitch of rivets 3.334"  
 Lap of plating 5/8" Per centage of strength of joint 69.1% Rivets 6.47% Working pressure of shell by rules 156.1 lbs Thickness of shell crown plates 23/32"  
 Radius of do. 3'-6" No. of Stays to do. none Dia. of stays none Diameter of furnace Top hemispherical Bottom 6'-0" Length of furnace 4'-1 1/4"  
 Thickness of furnace plates 23/32" Description of joint Seamless Working pressure of furnace by rules 168 lbs Thickness of furnace crown plates 23/32" Radius of do. 3'-0" Stayed by Hemispherical Diameter of uptake 5' x 23" Thickness of uptake plates 9/16"  
 Thickness of water tubes plates front 1 1/16" Back 1 5/16"

The foregoing is a correct description,  
 For **COCHRAN & CO., ANNAN, LIMITED** Manufacturer.  
 H.C. Woodham

Dates of Survey while building  
 During progress of work in shops - 1925. May 20-27. June 9. July 2. 15-31. Drawing No 14409  
 During erection on board vessel - Aug 7. 14. 21.  
 Total No. of visits 9.

Copy of 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. Workmanship good.  
 This boiler is to the order of Messrs Ellerman Engine Works Liverpool for S.S. No 1287.

Steel 36. "CITY OF LYONS"

This Boiler has been efficiently installed on the tank top in the Storchhold. It is fitted with two spring-loaded safety valves 3.14 0" area adjusted to 150 lbs under steam. The steam stop valve is N.R. & the safety valves are fitted with easing gear. It is eligible, in my opinion, for notation in the Society's Register Book.

R. Lee Amear

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

Committee's Minute **GLASGOW 25 AUG 1925**  
 Assigned **TRANSMIT TO LONDON**

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.  
 FRI. 19 FEB 1926

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