

# REPORT ON BOILERS.

No. 62399

Date of writing Report 10 When handed in at Local Office 25.5.40 Received at London Office MAY 29 1940  
 Port of Glasgow  
 No. in Survey held at Arman Date, First Survey 1940 Mar 29 Last Survey 21-5 1940  
 Reg. Book. L.C.9. (Number of Visits 9) Tons } Gross  
 Net  
 Master Greenock Built at Greenock By whom built James Lamont & Co. (J.1184) When built 1940  
 Boilers made at Arman By whom made Bochran & Co Arman Ltd (Nos 14850-1) When made 1940  
 Owners \_\_\_\_\_ Port belonging to \_\_\_\_\_

**VERTICAL DONKEY BOILER**— No. Two Description Bochran Manufacturers of steel Johnnies Ltd  
 Made at as above By whom made \_\_\_\_\_ When made \_\_\_\_\_ Where fixed \_\_\_\_\_ Working pressure 130 lbs  
 tested by hydraulic pressure 245 Date of test BLR 14850-10-5-40 No. of Certificate 20571 Fire grate area 26.75 Description of safety valves Enclosed spring  
BLR 14851-21-5-40 No. of Certificate 20572 M. Caldwell.  
 No. of safety valves 2 Area of each 4.9 Pressure to which they are adjusted 130 lbs If fitted with easing gear yes If steam from main boilers can enter the donkey boiler \_\_\_\_\_  
 Diameter of donkey boiler 7'-0" Length 14'-0" Material of shell plates S Thickness 5/8" 35/32  
 Range of tensile strength 28-32 tons Description of riveting long. seams DR lap Diameter of rivet holes 31/32 Whether punched or drilled drilled Pitch of rivets 2.96" 2.84" 2.87" Lap of plating 4 3/4" Per centage of strength of joint Rivets 65.4 Working pressure of shell by rules 135 Thickness of shell crown plates 9/16" 1 1/32" Radius of do. 3'-6" No. of stays to do. \_\_\_\_\_ Diameter of stays \_\_\_\_\_ Diameter of furnace—Top \_\_\_\_\_ Bottom 6'-0" Length of furnace \_\_\_\_\_ Thickness of furnace side plates 1 1/16" Description of joint Seamless Working pressure of furnace by rules 160 Thickness of Ogee ring 1 1/2" Working pressure of Ogee ring by rules 142 Thickness of furnace crown plates 1 1/16" Radius of do. 3'-0" Stayed by Hemisphere Diameter of uptake 15" x 23" Thickness of uptake plates 9/16" Thickness of tube plates front 1 1/8" back 1 1/16" Mean pitch of stay tubes in nest 10.77" Pitch in outer vertical rows 8"  
 Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules F134.8/56 Tubes: Material S  
 External diameter stay 2 1/2" Thickness stay 1/2" No. of threads per inch 9 Pitch of tubes 4" x 3 3/4"  
 plain 2 1/16" plain 2 1/2"  
 Working pressure by rules 175 Manhole compensation: Size of opening in shell plate 21" x 17" Section of compensating ring 7 1/2" x 1 1/16" No. of rivets and diameter of rivet holes 40 @ 31/32 Outer row pitch at ends 4 1/16"

The foregoing is a correct description.

LaRex.

Manufacturer.

Dates of Survey while building  
 During progress of work in shops— 1940 Mar. 29 Apr. 4, 11, 18, 23;  
 During erection on board vessel— May 2, 9, 16, 21.  
 Total No. of visits 9

FOR COCHRAN & CO., ANNAN, LTD  
 Drawing No 25479.A FOR BLR No 14850  
 " 25508.A FOR BLR No 14851  
**BOILERS IDENTICAL EXCEPT POSITIONS OF MANHOLES**  
 Is the approved plan of boiler forwarded herewith yes

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

The workmanship and materials are good.  
 The boilers have been constructed under Special Survey - they will be sent to Greenock

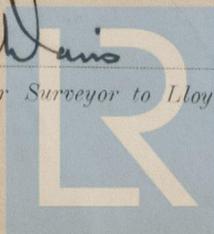
These boilers later fitted to "L.C. 11"  
 See Log. Rpt. No. 127937 (1953)  
Suk

Gib  
25/5/40

Survey Fee ... .. £ 8 : 8 : 7 When applied for MONTHLY ACCOUNT  
 Travelling Expenses (if any) £ : : 1 When returned \_\_\_\_\_

Committee's Minute **GLASGOW 28 MAY 1940**  
 Assigned **TRANSMIT TO LONDON**

Sh. Davis  
 Engineer Surveyor to Lloyd's Register of Shipping.



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