

REPORT ON BOILERS.

No. 62399

Date of writing Report 19 When handed in at Local Office 25.5.40 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 1940 Mar 29 Last Survey 21-5 1940
 Reg. Book. on the L.C.9. (Number of Visits 9) Tons Gross Net
 Master Built at Greenock By whom built James Lamont & Co. (J.1184) When built 1940
 Boilers made at Annan By whom made Buchanan & Co. Annan Ltd. (Nos 14850-1) When made 1940
 Owners Port belonging to

VERTICAL DONKEY BOILER— No. Two Description Buchanan 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 14850-10-5-40 No. of Certificate 20571 Fire grate area 26.75 sq ft Description of safety valves Enclosed spring
 No. of safety valves 2 Area of each 4.9 sq ft 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 7/8" 25/32
 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 2-9 1/2", 2-8 1/4", 2-8 1/2" 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 1/8 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 1/8 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 10-7 1/2 Pitch in outer vertical rows 8"
 Diameter of tube holes FRONT stay 2 1/8 plain 2 9/16 BACK stay 2 1/2 plain 2 1/2 Working pressure of tube plates by rules F134.8/56 Tubes: Material S
 External diameter stay 2 1/2 plain 2 1/4 Thickness stay 1 1/8 plain 1 1/16 No. of threads per inch 9 Pitch of tubes 4" x 3 3/4"
 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 1/8 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, 28;
 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)
 SW

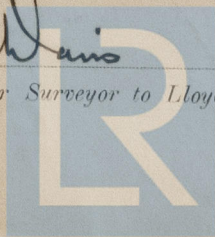
Gib
 25/5/40

Survey Fee ... £ 8 : 8 : 7 When applied for 19
 Travelling Expenses (if any) £ : : 1 When received 19

MONTHLY ACCOUNT

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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