

## REPORT ON BOILERS.

No. 54226

Date of writing Report 17-2-34 When handed in at Local Office 19-2-34 Port of Glasgow  
 No. in Survey held at Annan Date, First Survey 10-11-33 Last Survey 16-2-34  
 Reg. Book. on the 295 (Number of Visits 14) Tons Gross Net  
 Master Built at By whom built When built  
 Boilers made at By whom made When made  
 Owners Port belonging to

VERTICAL DONKEY BOILER—No. 12607 Description Cochran Manufacturers of steel S.C. of Scotland  
 Made at Annan By whom made Cochran & Co. Annan When made 1934 Where fixed Working pressure 120  
 tested by hydraulic pressure to 230 Date of test 16-2-34 No. of Certificate 19330 Fire grate area Description of safety valves  
 No. of safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can  
 enter the donkey boiler ✓ Diameter of donkey boiler 5'-6" Length 14'-0" Material of shell plates 8 Thickness 17/32" - 15/32" ✓  
 Range of tensile strength 28-32 Description of riveting long. seams D.R.L. Diameter of rivet holes 27/32" Whether punched or  
 drilled drilled Pitch of rivets 2.687, 2.725" Lap of plating 4 1/4" Per centage of strength of joint Rivets 70.5 Working pressure of shell by  
 rules 130.3 Thickness of shell crown plates 7/16, 3/4" radius of do. 2'-9" No. of stays to do. none Diameter of stays ✓ Diameter of  
 furnace—Top Hemisphere Bottom ✓ Length of furnace 2'-6 5/8" Thickness of furnace side plates 1/2" Description of joint weldless Working  
 pressure of furnace by rules 144.8 Thickness of Ogee ring 3/4" Working pressure of Ogee ring by rules 124.7 Thickness of furnace  
 crown plates 1/2" Radius of do. 2'-4 1/2" Stayed by Hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake  
 plates 1/2" Thickness of tube plates front 27/32" back 11/16" Mean pitch of stay tubes in nest 10.5" Pitch in outer vertical rows 8" ✓  
 Diameter of tube holes FRONT stay 2 1/16" plain 2 9/16" BACK stay 2 1/2" plain 2 1/2" Working pressure of tube plates by rules F124.8, B/31.8 Tubes: Material Iron  
 External diameter stay 2 1/2" Thickness stay 11/32" No. of threads per inch 9 Pitch of tubes 4" x 3 1/2" ✓  
 Working pressure by rules 125 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating  
 ring 6 x 11/16" No. of rivets and diameter of rivet holes 36 - 27/32" Outer row pitch at ends 3 5/8" ✓

FOR COCHRAN &amp; Co. ANNAN LTD.

The foregoing is a correct description.

E. A. R. E. X. Manufacturer.  
GENERAL WORKS MANAGER

Dates of Survey while building  
 During progress of work in shops 1933 Nov. 10, 17, 24 Dec. 18, 12, 20  
 During erection on board vessel 1934 Jan. 5, 12, 19, 25 Feb. 2, 8, 16  
 Total No. of visits 14

Drawing No. 19940 A

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 approved plan, and the Society's Rules and requirements, the materials and workmanship are good.

The boiler is for the Nederlandsche Scheepsbouw Maats. yard No 228 to class

17/2/34

Survey Fee ... £ 4 : 4 :  
 Travelling Expenses (if any) £ : :

When applied for 19  
 When received 19

MONTHLY ACCOUNT

Committee's Minute GLASGOW 20 FEB 1934

Assigned TRANSMIT TO LONDON

J. A. S. Cairns, 2021  
 Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation