

# REPORT ON BOILERS.

No. 84833

Date of writing Report 9.2.56 When handed in at Local Office 9.2.56 Received at London Office 15 FEB 1956  
 Port of GLASGOW  
 No. in Survey held at Annan Date, First Survey 29.9.55 Last Survey 20.1.56  
 Reg. Book on the (Number of Visits 16) Tons } Gross  
 } Net  
 Built at By whom built L. Tas & Co. Amsterdam Yard No. When built  
 Boilers made at Annan By whom made Cochran & Co. Annan, Ld. Boiler No. 20713 When made  
 Owners Port belonging to

**VERTICAL DONKEY BOILER**— No. one Description Cochran Manufacturers of steel Colvilles Ltd.,  
 Made at Annan By whom made Cochran & Co. Annan, Ld. When made 1956 Where fixed 24617 Working pressure 100  
 tested by hydraulic pressure to 200 Date of test 20.1.56 No. of Certificate 2 enclosed springs Total heating surface of boilers 100 sq. ft. Area of firegrate in  
 each boiler O.F. No. and description of safety valves on each boiler 2 enclosed springs Area of each set of valves per boiler 3.54 sq. in Pressure to which  
 they are adjusted If fitted with easing gear If steam from main boilers can enter the donkey boiler Pressure to which  
 they are adjusted 3'-9" Diameter of boiler 3'-9"  
 Length 10'-0" Material of shell plates steel Thickness 3/8", 13/32" Range of tensile strength 28/32 Description of riveting long.  
 seams D.R. Lap Diameter of rivet holes 23/32" Whether punched or drilled drilled Pitch of rivets 2.24, 2.25, 2.29 Lap of  
 plating 3/4" Thickness of shell crown plates 3/4" Radius of do. 3'-9" No. of stays to do. nil Diameter of stays - Diameter of  
 furnace—Top - Bottom 3'-3 1/4" Length of furnace - Thickness of furnace side plates 1/2" Description of joint welded Thickness  
 of Ogee ring - Thickness of furnace crown plates 1/2" Radius of do. 19" Stayed by hemisphere Diameter of  
 uptake 8 1/2" x 13 3/4" Thickness of uptake plates 1/2" Thickness of tube plates front 11/16" Mean pitch of stay tubes in nest as appvd  
back 17/32"  
 Pitch in outer vertical rows 7.1/8" Diameter of tube holes FRONT stay 2.11/16 BACK stay 2 1/2 Tubes: Material steel  
plain 2.9/16 plain 2 1/2  
 External diameter stay 2 1/2 Thickness stay 11/32 No. of threads per inch 9 Pitch of Tubes 3 1/2" x 3.9/16"  
plain 2 1/2 Thickness plain 10 lsg  
 Manhole compensation; Size of opening in crown shell plate 16 x 12 Section of compensating ring flanged 3" No. of rivets and  
 diameter of rivet holes Outer row pitch at ends

For COCHRAN & CO., ANNAN, LTD.  
 The foregoing is a correct description, YH  
 Technical Sales Manager  
 Manufacturer.

Dates of Survey while building  
 During progress of work in shops 1955 Sep. 29. Oct. 6-13-20-25. Nov. 3-10-17-23. Dec. 8-15-22-29. Drawing No. 40978A  
1956 Jan. 5-12-20. Sent for apprvl. 25.1.56  
 Total No. of visits 16.

Is the approved plan of boiler forwarded herewith no  
 retained for further boilers.

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.) This boiler has been constructed  
under Special Survey in accordance with the Society's Rules and approved plans.  
The materials and workmanship are good.

Survey Fee ... £ 10 : - : - } MONTHLY ACCOUNT  
 Travelling Expenses (if any) £ : : } When applied for ... 19  
 When received ... 19

Committee's Minute GLASGOW 14 FEB 1956  
 Assigned Transmit to London.

B. Small  
 Engineer Surveyor to Lloyd's Register of Shipping.  
 FRIDAY 26 APR 1957

See Rpt. 1.

