

# REPORT ON BOILERS.

 Std. No. 34200  
 Ser. No. 69165

Date of writing Report 19... When handed in at Local Office 27. 12. 1944 Port of GLASGOW.  
 No. in Survey held at ANNAN Date, First Survey 31. 12. 43 Last Survey 21st December 1944  
 Reg. Book. WEYBANK. (Number of Visits 22) Gross 7368  
 on the Tons Net 4961  
 Built at SUNDERLAND. By whom built WM. DOXFORD & SONS LTD. Yard No. 721 724 When built 194  
 Boilers made at ANNAN By whom made COCHRAN & CO., LTD. Boiler No. 15923 When made 1944  
 Owners Bank Line Ltd. Port belonging to Glasgow.

VERTICAL DONKEY BOILER— No. One Description Composite Manufacturers of steel Colvilles Ltd.  
 Made at ANNAN By whom made Cochran & Co. (Annan) Ltd. When made 1944 Where fixed Upper boiler  
 tested by hydraulic pressure to 230 Date of test 21-12-44 No. of Certificate 21845 Fire grate area Exhaust gas Working pressure 120 lbs.  
 No. of safety valves 2 Area of each 7.06 sq. in. Pressure to which they are adjusted 120 lbs. fitted with easing gear Yes If steam from main boilers can  
 enter the donkey boiler - Diameter of donkey boiler 8'0" Length 17'9" Material of shell plates S Thickness 13/16" 21/32"  
 Range of tensile strength 28-32 tons Description of riveting long. seams D.R. LAP Diameter of rivet holes 1 1/32" Whether punched or  
 drilled drilled Pitch of rivets 3.15" 3.13" 3 1/8" Lap of plating 5" Per centage of strength of joint Rivets 66.2 53.9  
 rules 126 Thickness of shell crown plates 19" 11/32" Radius of do. 4'0" No. of stays to do. Plates 66.8 67.3 Working pressure of shell by  
 furnace—Top Bottom 7'0" Length of furnace Thickness of furnace side plates 23/32" Description of joint Seamless Working  
 pressure of furnace by rules 144 Thickness of Ogee ring 1 1/32" Working pressure of Ogee ring by rules 124 Thickness of furnace  
 crown plates 23/32" Radius of do. 3'6" Stayed by Hemisphere Diameter of uptake 20" x 23 1/2" Thickness of uptake  
 plates 5" Thickness of tube plates front 1 1/4" back 1 1/4" Mean pitch of stay tubes in nest 8.72" 8.36" Pitch in outer vertical rows 5 1/4" x 6.37"  
 Diameter of tube holes FRONT stay 2 1/16" 1 1/16" CK stay 2" 1 1/8" Working pressure of tube plates by rules F. 127-125 Tubes: Material S  
 External diameter stay 2" 1 1/2" 16 1/16" 11/32" plain 2" 1 1/8" B. 201-161  
 Working pressure by rules 215 Manhole compensation; Size of opening in shell plate 21" x 17" Section of compensating  
 ing 7 1/2" x 1 1/32" No. of rivets and diameter of rivet holes 40 @ 1 1/32" Outer row pitch at ends 4.03.

The foregoing is a correct description,

FOR COCHRAN &amp; CO. ANNAN, LTD.

Dates of Survey while building  
 During progress of work in shops - 1943 Dec. 31 1944 Jan 28 Feb 17 Mar 8 22 Apr 14 21 28 May 5 12 31 Jun 8 21 Drawing No. 28662  
 During erection on board vessel - Aug 4 24 Sep 8 15 Oct 6 20 Nov 16 20 Dec 21  
 Total No. of visits 22.

 Is the approved plan of boiler forwarded herewith No  
 Retained for Duplicate Cases.

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

The materials and workmanship are good.

The boiler has been constructed under Special Survey.

The Boiler will be sent to Sunderland, to be fitted on board the vessel.

Heating surface - Oil Fired 538 sq.ft. Exhaust gas nest - 515 sq.f.t Total 1053 Sq. Ft.

This boiler has been securely fixed on board the vessel  
 & Safety valves adjusted to working pressure  
 In recommendation please see Machinery Rpt.  
 J. H. Fraser.

Survey Fee ... £ 5 : 14 :- When applied for Mon 9/5 19...  
 Travelling Expenses (if any) £ : : When received 19...

Committee's Minute GLASGOW

Assigned Special for Completion

27 DEC 1944

18 MAY 1945

See F.E. machinery rpt.

 L.C. Davis  
 Engineer Surveyor to Lloyd's Register of Shipping.

 Lloyd's Register  
 Foundation