

# REPORT ON BOILERS.

Slid. No. 34200  
Slid. No. 69165

Received at London Office

4 MAY 1945

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 21. 12. 43 Last Survey 21st December, 1944  
 Reg. Book. on the **WEYBANK.** (Number of Visits 22) Tons { Gross 7368 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 Ld.** 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 rules Exhaust gas** Working pressure **120 lbs.**  
 Tested by hydraulic pressure to **230** Date of test **21-12-44** No. of Certificate **21845** Fire grate area **or oil** Description of safety valves **ordinary.**  
 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 **66.2 53.9 66.8 67.3** Working pressure of shell by rules **126** Thickness of shell crown plates **19" 11/32"** Radius of do. **4'0"** No. of stays to do. **23/32"** Diameter of stays **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 **5/8"** Thickness of tube plates front **1 1/2"** Mean pitch of stay tubes in nest **8.72" 8.36" 9.47"** Pitch in outer vertical rows **5 1/2" x 6.37"**  
 Diameter of tube holes **FRONT** stay **2 3/16" 1 11/16" 2" 11/8"** plain **2 1/16" 1 13/16" 2" 11/8"** Working pressure of tube plates by rules **F. 127-125 Tubes: Material S B. 201-161**  
 External diameter **stay 2" 1 1/2" 16 1/16" 11/32"** plain **2" 1 1/2" 16 1/16" 11/32"** Thickness **10 L.S.G.** No. of threads per inch **9** Pitch of tubes **2 5/8" x 2 11/16" x 3.187" x 3.13"**  
 Working pressure by rules **215** Manhole compensation; Size of opening in shell plate **21" x 17"** Section of compensating ring **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,  
*take*  
 FOR COCHRAN & CO. ANNAN, LTD. Manufacturer

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  
 Aug 4 24 Sep 8 22 Oct 6 20 Nov 16 20 Dec 21  
 During erection on board vessel - - -  
 Total No. of visits **22.** Drawing No. **28662**  
 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 machy Rpt.*  
*W. H. Fraser.*

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

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

Committee's Minute **GLASGOW 27 DEC 1944** **18 MAY 1945**  
 Assigned *Deferred for completion*  
 Lloyd's Register Foundation  
 010580-010588-0060