

# REPORT ON BOILERS.

No. 54908

Received at London Office -5 SEP 1934

Date of writing Report 20-8-34 When handed in at Local Office 30-8-34 Port of Glasgow  
 No. in Survey held at Annan Date, First Survey 24-5-34 Last Survey 17-8-34  
 Reg. Book. on the Boiler No 12752. (Number of Visits 14) (Gross Tons) (Net Tons)  
 Master Built at By whom built When built  
 Boilers made at By whom made When made  
 Owners Port belonging to

**VERTICAL DONKEY BOILER**— No. 12752 Description Cochran Manufacturers of steel Steel C° of 8' land  
 Made at Annan By whom made Cochran & Co Annan When made 1934 Where fixed Working pressure 125  
 tested by hydraulic pressure to 236 Date of test 17-8-34 No. of Certificate 19425 Fire grate area Description of safety valves  
 No. of safety valves 2 Area of each Pressure to which they are adjusted If fitted with casing gear If steam from main boilers can enter the donkey boiler  
 Range of tensile strength 28-32 Description of riveting long. seams J.R.L. Diameter of rivet holes 3/32" Whether punched or drilled drilled Pitch of rivets 2.96" 2.86" 2.14" Lap of plating 3/4" Per centage of strength of joint Rivets 67.7 Working pressure of shell by rules 135.2 Thickness of shell crown plates 1" - 1/32" Radius of do. 3'-6" No. of stays to do. from Diameter of stays Diameter of furnace—Top hemispher Bottom 6'-0" Length of furnace Thickness of furnace side plates 2/32" Description of joint Seamless Working pressure of furnace by rules 152.8 Thickness of Ogee ring 1" Working pressure of Ogee ring by rules 133.3 Thickness of furnace crown plates 2/32" Radius of do. 3'-0" Stayed by hemisphere Diameter of uptake 15" x 22" Thickness of uptake plates 9/16" Thickness of tube plates front 1 1/8" back 1 1/8" Mean pitch of stay tubes in nest 8.25" Waste heat Pitch in outer vertical rows 6 1/2" x 4.68"  
 Diameter of tube holes FRONT stay 1 1/2" plain 1 1/2" BACK stay 1 1/2" plain 1 1/2" Working pressure of tube plates by rules Tubes: Material Steel 2.28" x 2.34" Waste heat  
 External diameter stay 1 1/4" plain 1 1/2" Thickness stay 1 1/32" plain 10 W.O. No. of threads per inch 9 Pitch of tubes 3.08" x 3.25" Oil fired  
 Working pressure by rules 124 FTP, 129 BTP Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating ring 2-4" dia. x 3/8" No. of rivets and diameter of rivet holes 36 - 3/32" Outer row pitch at ends 3.9"

FOR COCHRAN & CO. ANNAN, LTD.  
 The foregoing is a correct description,  
 J. Baker Manufacturer.

Dates of Survey while building { During progress of work in shops - 1934 May: 24, 29 June 5, 8, 14, 21, 28 July: 5, 10, 12, 26, 31 Drawing No. E 31529.  
 { During erection on board vessel - Aug: 9, 17  
 Total No. of visits 14 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 to the order of Aktie Havnstov Skibsværft

30/8/34

Survey Fee ... £ 4 : 4 : } When applied for ..... 19.....  
 Travelling Expenses (if any) £ : : } When received ..... 19.....

MONTHLY ACCOUNT

Committee's Minute GLASGOW 4 SEP 1934  
 Assigned TRANSMIT TO LONDON

J. Baker  
 Engineer Surveyor to Lloyd's Register of Shipping.  
 TUE 4 DEC 1934  
 See Opn. 26  
 9481

Lloyd's Register Foundation