

# REPORT ON BOILERS.

No. 54288

14 MAR 1934

Date of writing Report 8-3-1934 When handed in at Local Office 9-3-1934 Port of Glasgow  
 Received at London Office  
 No. in Survey held at Annan Date, First Survey 10-11-33 Last Survey 7-2-1934  
 Reg. Book. on the "Jagersfontein" (Number of Visits 16) 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. 12608 Description Cochran Manufacturers of steel S. C. of S'land  
 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 7-2-34 No. of Certificate 19343 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 S. Thickness 15/32" - 17/32"  
 Range of tensile strength 28-32 Description of riveting long. seams J.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 130.8 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 none Bottom \_\_\_\_\_ Length of furnace 2'-6 5/8" Thickness of furnace side plates 1/2" Description of joint none 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 hemispherical Diameter of uptake 13" x 19 1/2" Thickness of uptake plates 1/2" Thickness of tube plates front 27/32" back 1 1/16" Mean pitch of stay tubes in nest 10.5" Pitch in outer vertical rows 8"  
 Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules F124.8 B131.6 Tubes: Material Iron  
 External diameter stay 2 1/2" plain 2 9/16" Thickness stay 1 1/32" plain 1 1/8" 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 1 1/16" No. of rivets and diameter of rivet holes 36 - 27/32" Outer row pitch at ends 3 5/8"

FOR COCHRAN & CO., ANNAN, LTD  
 The foregoing is a correct description.  
 E. R. K. Manufacturer.  
 GENERAL WORKS MANAGER

Dates of Survey while building { During progress of work in shops - } 1933 Nov: 10-17 Dec: 1-8 12-20 Drawing No. 19940 A  
 { During erection on board vessel - } 1934 Jan: 8-12 14-20 Feb: 2-8 20-28 Mar: 7  
 Total No. of visits 16 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 the Nederlandsche Scheeps Trog's Yard No 229.

9/3/34

Survey Fee ... .. £ 4 : 4 : 7 When applied for ..... 19  
 Travelling Expenses (if any) £ : : When received ..... 19

MONTHLY ACCOUNT

Jas. Cairns  
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 13 MAR 1934  
 Assigned TRANSMIT TO LONDON

TUE. 15 JAN. 1935  
see machy. do.

Lloyd's Register Foundation

W182-0011

Is a Report also sent on the hull of the ship? If not, state whether, and when, one will be sent. (The Surveyors are requested not to write on or below the space for Committee's Minutes.)

5c. 11.20 - Copyable Ink.