

REPORT ON BOILERS.

No. 43932

Received at London Office - 3 SEP 1924 25 MAR 1925

Date of writing Report 30th Aug. 24 When handed in at Local Office 30th Aug. 24 Port of Glasgow.

No. in Survey held at Annan Date, First Survey 27.6.24 Last Survey 29.8.1924

Reg. Book. on the Cochran Boiler 2^o 9413 M/S THISTLEROS (Number of Visits 6) Tons { Gross 4615 Net 2705

Master Built at Glasgow By whom built D. Henderson & Co. Ltd. (675-14) When built 1925

Boilers made at Annan By whom made Cochran & Co. Annan Ltd When made 1924.

Owners Port belonging to

VERTICAL DONKEY BOILER— No. One Description Cochran Type Manufacturers of steel G. Colville & Son.

Made at Annan By whom made Cochran & Co. Annan Ltd When made 1924 Where fixed Engine room Working pressure 100 lbs.

tested by hydraulic pressure to 200 lbs Date of test 29/8/24 No. of Certificate 16590 Fire grate area Description of safety valves SPRING LOADED

No. of safety valves Two Area of each 76^o Pressure to which they are adjusted 100 lbs/2 If fitted with easing gear YES If steam from main boilers can enter the donkey boiler Dia. of donkey boiler 3'9" Length 10'0" Material of shell plates Steel Thickness 3/8" + 1/32" Range of tensile strength 28/32 Descrip. of riveting long. seams double Dia. of rivet holes 23/32 Whether punched or drilled drilled Pitch of rivets 2.141" 2.292" 2.239"

Lap of plating 3 1/4" Per centage of strength of joint Rivets 77.7 Plates 66.4 Working pressure of shell by rules 142.5 lbs Thickness of shell crown plates 15/32"

Radius of do. 3'2" No. of Stays to do. four Dia. of stays Diameter of furnace Top 3'0" Bottom 3'3 1/8" Length of furnace 20' Thickness of furnace plates 15/32 Description of joint single riveted, lap Working pressure of furnace by rules 144 lbs Thickness of furnace crown plates 1/2" Radius of do. 23" Stayed by radius Diameter of uptake 13 1/4" x 8 1/2" Thickness of uptake plates 1/2"

Thickness of water tube plates Front = 2 1/32" Back = 1/2"

The foregoing is a correct description.
For COCHRAN & CO., ANNAN, LIMITED
G. Colville Manufacturer.

Dates of Survey while building { During progress of work in shops - 1924 Jan 27 July 4. 11. 17 Aug 15. 29.
During erection on board vessel - - -
Total No. of visits 6

Copy of Drawing 2^o 13934.
Is the approved plan of boiler forwarded herewith 1/20.

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

This boiler has now been fitted on board the above vessel in an efficient manner examined under steam and safety valves adjusted to 100 lbs/2 Washer P 1 1/32 S 7 1/32

Annual Survey Request

Survey Fee ... £ 4 : 4 : 0 When applied for, monthly

Travelling Expenses (if any) £ : : When received, account

Committee's Minute

Assigned

GLASGOW

- 2 SEP 1924

TRANSMIT TO LONDON

R. B. Gorder & A. M. Crinick

Engineer Surveyors to Lloyd's Register of British and Foreign Shipping.

GLASGOW 24 MAR 1925

See Gs. Rpt. No. 44511