

## REPORT ON BOILERS.

No. 43677

Received at London Office

WED. 28 MAY. 1924

of writing Report 24<sup>th</sup> May, 1924 When handed in at Local Office 24<sup>th</sup> May, 1924 Port of Glasgow

No. in Survey held at Annan Date, First Survey 8. 2. 24 Last Survey 23. 5. 19 34

Book. 2673 on the Cochran Boiler N° 9300 S. P. Silverlock (Number of Visits 13) Gross 5122 Tons Net 3085

ster Built at Malloend By whom built Neptune Engine N° 1172 When built 1924

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

ners Mount S. S. Co. Ltd. Stanley & John Thompson Ltd. Port belonging to London

**VERTICAL DONKEY BOILER** No. One Description Cochran Manufacturers of steel D. Colville & Sons, Ltd.

de at Annan By whom made Cochran & Co., Annan Ltd. When made 1924 Where fixed 6. Room Working pressure 120 lbs./sq. in.

ed by hydraulic pressure to 230 lbs./sq. in. Date of test 23. 5. 24 No. of Certificate 16510 Fire grate area 41.7 Description of safety valves Spring loaded

of safety valves 2 Area of each 7.07 Pressure to which they are adjusted 120 If fitted with easing gear Yes If steam from main boilers can

er the donkey boiler 20 h. B. Dia. of donkey boiler 8'-6" Length 19'-6" Material of shell plates Steel Thickness  $\frac{11}{16}$ " Range of tensile  $\frac{26}{38}$ "

length 28' 32" Descrip. of riveting long. seams D.R. Lap Dia. of rivet holes 1 3/8" Whether punched or drilled drilled Pitch of rivets 3" F

o of plating 5" Per centage of strength of joint Rivets 638 Plates 65 Working pressure of shell by rules 121 lbs./sq. in. Thickness of shell crown plates 5/8" 1 3/8"

dus of do. 4'-3" No. of Stays to do. None Dia. of stays - Diameter of furnace Top Hemisphere Bottom 7'-0 1/2" Length of furnace 3'-6"

ickness of furnace plates 3/4" Description of joint Double Open Ring Working pressure of furnace by rules 140 lbs./sq. in. Thickness of furnace crown

tes 3/4" Radius of do. 3'-9" Stayed by Hemisphere Diameter of uptake 18" 28 1/2" Thickness of uptake plates 5/8"

ickness of water tube plates 1 3/32" F.

The foregoing is a correct description.

For COCHRAN & CO., ANNAN, LIMITED Manufacturer.

Thomas Watley

Dates During progress of work in shops - 1924 Feb 8. 15. 22 Mar 7. 14. 21 Apr 4. 11. 17 May 2. 7. 15. 23

Survey while building During erection on board vessel - - -

Total No. of visits 13

Drawing N° 13711

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 Rules and approved plan; the materials and workmanship are good.

This boiler is a duplicate of Boiler N° 9297, Glasgow Report N° 43605, and is intended for use at Swan Hunter & Wigham Richardson Engs N° 1172.

Fitted in room on starboard side of engine room for burning oil fuel F.P. above 150°. 2-3 safety valves with easing gear & necessary mountings. oil fuel installation satisfactory. Safety valves adjusted under steam at 120 lbs. Rings 4" A x 3/8" F.

Annual Survey Request J. R. Pithon 15/8/24

Survey Fee ... £ 4 : 4 : When applied for, 19

Travelling Expenses (if any) £ : : When received, 19

MONTHLY ACCOUNT

Harry Clarke A. B. Forster

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

FRI 5 SEP 1924

Committee's Minute

GLASGOW 27 MAY 1924

Assigned

TRANSMIT TO LONDON

Lloyd's Register Foundation

002568-002576-0070