

REPORT ON BOILERS.

No. 42975

WFD. 29 AUG. 1923

Received at London Office

of writing Report 24th Aug. 1923 When handed in at Local Office 25th Aug. 1923 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 3. 8. 23 Last Survey 24. 8. 1923
 7. Book. on the Cochran Boiler N^o 8921 for S.S. "ALBATROSS" (Number of Visits 4) Gross 1943
 Tons Net 1198
 Built at Grangemouth By whom built Grangemouth Dockyard Co. Ltd. (409) When built 1924
 Made at Annan By whom made Cochran & Co., Annan Ltd. When made 1923.
 General Steam Navigation Co. Ltd. Port belonging to London.

VERTICAL DONKEY BOILER— No. One Description Cochran Manufacturers of steel D. Colville & Son, Ltd.
 Made at Annan By whom made Cochran & Co., Annan Ltd. When made 1923 Where fixed in Stothard Working pressure 100 lbs.
 Tested by hydraulic pressure to 200 lbs. Date of test 24. 8. 23 No. of Certificate 16322 Fire grate area 26 $\frac{3}{4}$ Description of safety valves Spring loaded
 of safety valves two Area of each 7.07 $\frac{5}{8}$ Pressure to which they are adjusted 103 $\frac{1}{2}$ If fitted with easing gear If steam from main boilers can
 on the donkey boiler no Dia. of donkey boiler 7'-0" Length 14'-0" Material of shell plates Steel Thickness $\frac{5}{16}$ Range of tensile 23 $\frac{1}{2}$ 8.
 Length 28 $\frac{3}{4}$ Descrip. of riveting long. seams D.R. Lap. Dia. of rivet holes 2 $\frac{7}{32}$ Whether punched or drilled drilled Pitch of rivets 2 $\frac{1}{16}$ 8.
 of plating 4 $\frac{1}{4}$ Per centage of strength of joint Rivets 672 Working pressure of shell by rules 108 lbs. Thickness of shell crown plates 7 $\frac{1}{16}$ 7 $\frac{1}{8}$
 Plates 67.6 Diameter of furnace Top Hemisphere Bottom 6'-0" Length of furnace 3'-11 $\frac{1}{2}$ "
 Dia. of do. 3'-6" No. of Stays to do. None Dia. of stays — Diameter of furnace Top Hemisphere Bottom 6'-0" Length of furnace 3'-11 $\frac{1}{2}$ "
 Thickness of furnace plates 1 $\frac{1}{2}$ 1 $\frac{1}{2}$ Description of joint Ring Working pressure of furnace by rules 122 lbs. Thickness of furnace crown
 plates 1 $\frac{1}{2}$ Radius of do. 3'-0" Stayed by Hemisphere Diameter of uptake 15" x 23" Thickness of uptake plates 9 $\frac{1}{16}$ "
 Thickness of water tube plates 3 $\frac{1}{4}$ 3 $\frac{1}{4}$

The foregoing is a correct description,
 For COCHRAN & CO., ANNAN, LIMITED Manufacturer.
 Thomas Watley.

Dates During progress of work in shops - 1923 Aug 3. 10. 17. 24.
 Survey During erection on board vessel - -
 while building Total No. of visits 4.

Drawing N^o 12718. ✓
 Is the approved plan of boiler forwarded herewith Yes ✓

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler, which has not been built under Special Survey, has been examined throughout, and the scantlings checked and found in accordance with the plan; the materials have been tested by the Society's surveyors, and the marks on plates verified with the certificates; the boiler has been tested by hydraulic pressure to 200 lbs. per square inch with satisfactory results; workmanship good.
 This boiler is a duplicate of the boiler N^o 8976, Glasgow Report N^o 42393, and is intended for Messrs. D. Rowan & Co. Ltd. Contract N^o 760.

Annual Survey Request.

This donkey boiler has now been satisfactorily fitted on board the vessel and the safety valves adjusted under steam to 103 $\frac{1}{2}$ lbs.

H.B. Forster,
 Glasgow.
 13/9/24

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

H.B. Forster

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

Committee's Minute

Assigned

GLASGOW,

28 AUG 1923

TRANSMIT TO LONDON

See G.S. R.M. No 43965

Lloyd's Register
 Foundation

00617-008924-0035