

REPORT ON BOILERS.

No. 43228.

Received at London Office WFO. 19 DEC. 1923
 Date, First Survey 5. 10. 23 Last Survey 14. 12. 1923.
 Survey held at Annan
 on the Cochran Boiler No. 9267. TMS "ATAGO MARU".
 Built at Port-Glasgow By whom built Lithgows Ltd. (No. 762). When built 1921.
 Made at Annan By whom made Cochran & Co., Annan Ltd. When made 1923.
 Hippon Yusen Kaisha Port belonging to Tokio

CAL DONKEY BOILER No. One Description Cochran Manufacturers of steel D. Colville & Son, Ltd.
 Annan By whom made Cochran & Co., Annan Ltd. When made 1923 Where fixed Engine Room Working pressure 100 lbs.
 Hydraulic pressure to 200 lbs. Date of test 14. 12. 23 No. of Certificate 6389 Fire grate area 102 sq. ft. Description of safety valves spring loaded
 Safety valves two Area of each 1.76 sq. in. Pressure to which they are adjusted 102 lbs. If fitted with easing gear Yes If steam from main boilers can
 Donkey boiler — Dia. of donkey boiler 4'-9" Length 12'-0" Material of shell plates Steel Thickness 3/8" 7/16" Range of tensile 2.385
 Descrip. of riveting long. seams DR lap Dia. of rivet holes 2 3/8" Whether punched or drilled drilled Pitch of rivets 2.398
 Rivets 74.3 Working pressure of shell by rules 118 lbs. Thickness of shell crown plates 9/16"
 Per centage of strength of joint Plates 69.7
 Dia. of stays — Diameter of furnace Top Hemisphere Bottom 4'-0" Length of furnace 2'-10"
 No. of Stays to do. None Dia. of stays — Working pressure of furnace by rules 172 lbs. Thickness of furnace crown
 of furnace plates 1/2" Description of joint Seamless or lapped Ring
 Radius of do. 2'-0" Stayed by Hemisphere Diameter of uptake 11" x 16 3/4" Thickness of uptake plates 1/2"
 of water tube plates 3/4" F 5/8" 8."

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

During progress of work in shops - 1923 Oct 5-17 Nov 2-16 Dec 7-14
 During erection on board vessel - -
 Total No. of visits 6.

Drawing No. 13540

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
 Survey in accordance with the Rules and Approved Plan; the materials
 workmanship are good.
 Boiler is to the order of Messrs. D. Rowan & Co. Ltd, their contract No. 786, and is to be
 on board the vessel at Glasgow.
 It has been satisfactorily fitted on board the vessel and its safety valves
 adjusted under steam.

Annual Survey Request.

Survey Fee ... £ 4 : 4 : 0 When applied for, Monthly Account
 Travelling Expenses (if any) £ : : When received, 19

A. B. Forster. J. C. Davis.
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute
 GLASGOW 18 DEC 1923
 TRANSMIT TO LONDON

GLASGOW 2-DEC 1924
 See Gb. Rpt. No. 444184
 Lloyd's Register
 Foundation