

REPORT ON BOILERS.

No. 44109

Received at London Office

29 OCT 1924

t. 5b.

Drawings of writing Report 25-10-24 When handed in at Local Office

Port of Glasgow

No. in Survey held at Annan Date, First Survey 17-10-24 Last Survey 24-10-1924
 Reg. Book. S/S PROMETHEUS (Number of Visits 2) Gross
 on the Cochran Boiler No 9484 for Messrs Scotts Shipbuilding & Engineering Co. Engine No 594 Ship 525 Tons Net
 Built at Greenock By whom built Scotts Shipbuilding & Engineering Co. (525) When built 1925
 Boilers made at Annan By whom made Cochran & Co. Annan Ltd When made 1925
 Owners Ocean Steamship Co. Ltd. (a roll co) Port belonging to Liverpool

VERTICAL DONKEY BOILER No. One Description Cochran Manufacturers of steel D. Colville & Sons Ltd.
 Made at Annan By whom made Cochran & Co. Annan Ltd When made 1924 Where fixed Bugui Room Working pressure 100 lbs
 Tested by hydraulic pressure to 200 lbs Date of test 24-10-24 No. of Certificate 6639 Fire grate area 18.7 sq ft Description of safety valves 2 Spring
 of safety valves 2 Area of each 3.14 Pressure to which they are adjusted 105 If fitted with easing gear Yes If steam from main boilers can
 enter the donkey boiler — Dia. of donkey boiler 6'-0 Length 15'-9" Material of shell plates Steel Thickness 3/32 7/16 Range of tensile
 strength 28-32 lbs Descrip. of riveting long. seams Double riveted Dia. of rivet holes 2 5/32 Whether punched or drilled drilled Pitch of rivets 2 5/8
 No. of plating 3 7/8 Per centage of strength of joint Rivets 64.1% Plates 70.25% Working pressure of shell by rules 108 lbs Thickness of shell crown plates 13/16 13/32
 Radius of do. 3'-0 No. of Stays to do. none Dia. of stays Diameter of furnace Top Hemisphere Bottom 5'-0 Length of furnace 2'-7 3/16
 Thickness of furnace plates 1/2" Description of joint Seamless Ogee Ring Working pressure of furnace by rules 137.5 lbs Thickness of furnace crown
 " " Ogee ring 1 3/16 " " Ogee ring 101.2 lbs
 Thickness of tubes plates { Front Plate 7/8" The foregoing is a correct description.
 Back Plate 1 1/16" For COCHRAN & CO., ANNAN, LIMITED Manufacturer.
 Thomas Wally

Dates During progress of work in shops - 1924 Oct 17. 24
 Survey During erection on board vessel - -
 while building Total No. of visits 2

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 approved plan, the materials were tested by
 the Board of Trade Surveyors and the marks on the plates checked by me and
 found in accordance with the Board of Trade certificate.
 The boiler has been tested by hydraulic pressure to 200 lbs per sq in, with
 satisfactory results; workmanship good.
 This boiler is a duplicate of the boiler No 9117, except in respect of the ash-pit
 extension of this boiler, Glasgow report No. 42997. This boiler is to the order
 of Messrs Scotts Shipbuilding & Engineering Co, Greenock for Eng. No 594. S/S. No 525
 being built by them for Messrs Alfred Holt & Co, Ltd. Liverpool.

Annual Survey Request.

Boiler now securely fitted on board & is
 safely taken afloat under steam & is
 above working pressure

W. Gordon & Co. Ltd.
 Greenock.

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

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

Committee's Minute

Assigned

GLASGOW 28 OCT 1924

TRANSMIT TO LONDON

GLASGOW 27 OCT 1924

See Gen. Rpt. No 18465

002891-002896-0048

Lloyd's Register
 Foundation