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REPORT ON BOILERS.

No. 42731

WED. MAY. 16 1923

Received at London Office

Report of writing Report 11th May, 1923 When handed in at Local Office 12.5.23 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 4.5.23 Last Survey 11.5.1923
 Reg. Book. on the Cochran Boiler No. 9024 S. WHEATCROFT
 Size of opening 5' 1" Built at Bideford By whom built Hansen Shipbuilding & Rep. Co. Ltd. When built 1924
 Boilers made at Annan By whom made Cochran & Co., Annan Ltd. When made 1923.
 Owners Messrs Spiller & Co. Port belonging to Cardiff

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 1923 Where fixed In Hotel Working pressure 100 lbs.
 Tested by hydraulic pressure to 200 lbs. Date of test 11.5.23 No. of Certificate 16252 Fire grate area 93 1/4 sq. ft. Description of safety valves Spring loaded
 No. of safety valves Two Area of each 1.76 sq. in. Pressure to which they are adjusted 100 lbs. If fitted with easing gear Yes If steam from main boilers can
 enter the donkey boiler No Dia. of donkey boiler 4'-6" Length 10'-0" Material of shell plates steel Thickness 3/8" Range of tensile 23,800 lbs.
 Length 28' 3/4" Descrip. of riveting long. seams D.R. Lap Dia. of rivet holes 23/32" Whether punched or drilled drilled Pitch of rivets 2 1/4" P
 Lap of plating 3 3/4" Per centage of strength of joint Rivets 75.1 Plates 68.3 Working pressure of shell by rules 122.1 lbs. Thickness of shell crown plates 9/16"
 Radius of do. 4'-6" No. of Stays to do. None Dia. of stays 1 1/2" Diameter of furnace Top Hemisphere Bottom 45" Length of furnace 2'-0 7/8"
 Thickness of furnace plates 1/2" Description of joint Seamless Working pressure of furnace by rules 183 lbs. Thickness of furnace crown
 plates 1/2" Radius of do. 22 1/2" Stayed by Hemisphere Diameter of uptake 10 1/2" x 17" Thickness of uptake plates 1/2"
 Thickness of water tube plates 1/2" F. 19" F. 1/2" B. 1/2" B.
 The foregoing is a correct description,
 For COCHRAN & CO., ANNAN, LIMITED Manufacturer.
 G. Waller

Dates of Survey
 During progress of work in shops - 1923 May 4 11
 During erection on board vessel - -
 while building - -
 Total No. of visits 2.

Drawing No. 13151

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 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 to the order of Messrs. Wm. Beardmore & Co., Speedwell Iron Works, Coatbridge, for their Engine No. 593.

This boiler has now been fitted & secured in frame the above vessel examined under steam & its safety valves adjusted.

Annual Survey Request

Survey Fee ... £ 4 : 4

Travelling Expenses (if any) £ :

When applied for, Monthly

When received, 8/6

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

Committee's Minute

GLASGOW 15 MAY 1923

Assigned

TRANSMIT TO LONDON

002320-002329-0053

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Foundation