

REPORT ON BOILERS.

No. 34648

Date of writing Report 9-12-14 When handed in at Local Office 9-12-14 Port of Glasgow. Received at London Office WED. DEC. 16. 1914
 No. in Survey held at Annan Date, First Survey 27/10/14 Last Survey 9-12-15
 Reg. Book. 6583 on the Donkey Boiler for oil engine vessel, "Bostonian" (Burmeister & Wain Tons) Gross 6225.03 Net 3963.55
 Master J. Frickay 1912-1915 Built at Glasgow By whom built Harland & Wolff Ltd When built 1915
 Boilers made at Annan By whom made Cochran & Co. Annan Ltd When made 1914
 Owners 4 Leyland & Co. Ltd Port belonging to Liverpool

VERTICAL DONKEY BOILER No. 6583 Description Cochran Manufacturers of steel Stewarts & Lloyds.
 Made at Annan By whom made Cochran & Co. When made 1914 Where fixed aft end of Engine Room Working pressure 100
 tested by hydraulic pressure to 200 Date of test 9-12-14 No. of Certificate 2963 Fire grate area 14 Description of safety valves Spring loaded
 No. of safety valves 2 Area of each 3.14 sq. ft. Pressure to which they are adjusted 103 lb. If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No
 Dia. of donkey boiler 5-3 Length 13-3 Material of shell plates S Thickness 7/16 - 1/2 Range of tensile strength 28-32
 Descrip. of riveting long. seams dl Dia. of rivet holes 25/32 Whether punched or drilled d Pitch of rivets 2-55
 Lap of plating 3 1/2 Per centage of strength of joint Rivets 67-7 Working pressure of shell by rules 110 Thickness of shell crown plates 21/32 - 13/32
 Radius of do. 2-7 1/2 No. of Stays to do. None Dia. of stays 1 1/2 Diameter of furnace Top 2-3 Bottom 2-3 Length of furnace 3-2 1/4
 Thickness of furnace plates 1/2 - 21/32 Description of joint hemispherical R1 R2 Working pressure of furnace by rules 100 Thickness of furnace crown plates 1/2 Radius of do. 2-3 Stayed by hemispherical Diameter of uptake 13 x 19 1/2 Thickness of uptake plates 1/2
 Thickness of water tubes Plate F 1/16 - B 3/16
 The foregoing is a correct description.
 For COCHRAN & CO., ANNAN, LIMITED, Manufacturer. 17/12/14
 G. Wally.

Dates of Survey
 During progress of work in shops - 1914 Oct 27. Nov 3-12-19 27 Dec 4-9
 During erection on board vessel -
 while building -
 Total No. of visits 7
 Is the approved plan of boiler forwarded herewith Yes 10333.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
 The Material & Workmanship is good.
 The boiler has been built under special survey.

Survey request form No. 1186 attached

This boiler has now been satisfactorily fitted on board the vessel, tried under steam, and the safety valves adjusted as noted above.
 J. Bartholpe
 9/12/15

Survey Fee ... £ 2 : 2 :
 Travelling Expenses (if any) £ : :
 When applied for, 19
 When received, 19
MONTHLY ACCOUNT.
 Committee's Minute GLASGOW 15 DEC. 1914
 Assigned TRANSMIT TO LONDON

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