

REPORT ON BOILERS.

Old No 24782
THUR. 6 APL 1911
No. 29353
THUR. 29 SEPT 1910

Received at London Office

Date of writing Report 24-9-10 When handed in at Local Office 27-9-10 Port of Glasgow
 No. in Survey held at Reg. Book. on the Donkey Boiler for J.S. Rudmore
 Date, First Survey 12th August Last Survey 23 Sept 1910
 (Number of Visits 58) Gross 469 Tons Net 574
 Master Newson Built at Sunderland By whom built J.P. Austin & Son Ltd When built 1911
 Boiler made at Annan By whom made Cochran & Co Annan Ltd When made 1910
 Owners James Westall Port belonging to Sunderland

VERTICAL DONKEY BOILER— No. 5255 Description Cochran Pat' Manufacturers of steel Beardmore & Co.
 Made at Annan By whom made Cochran & Co When made 1910 Where fixed Skidhole Working pressure 100
 tested by hydraulic pressure to 200 Date of test 23-9-10 No. of Certificate 10596 Fire grate area 18.75 Description of safety valves Two springloaded
 No. of safety valves 2 Area of each 4.9 Pressure to which they are adjusted 100 If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No Dia. of donkey boiler 5-9 Length 13-0 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 2-54
 Lap of plating 3 7/8 Per centage of strength of joint Rivets 72 Plates 69-2 Working pressure of shell by rules 102 Thickness of shell crown plates 5/8 - 13/32
 Radius of do. 2-10 1/2 No. of Stays to do hemispher Dia. of stays 2 Diameter of furnace Top 2-6 Bottom 3-3 3/8 Length of furnace 3-3 3/8
 Thickness of furnace plates 1/2 + 5/8 Description of joint hemispher + R^t Ring Working pressure of furnace by rules 108 Thickness of furnace crown plates 1/2 Radius of do. 2-6 Stayed by hemispher Diameter of uptake 13 x 19 1/2 Thickness of uptake plates 9/16
 Thickness of water tubes Plate F 3/4 B 5/8

The foregoing is a correct description,
 The Glasgow Shipbuilding Co., Ltd., Manufacturer.

[Signature]

Dates of Survey while building
 During progress of work in shops 1910. Aug. 12, 19, 23. Sep. 8, 23.
 During erection on board vessel 1911 Mar 7, 9, 14
 Total No. of visits 5, 8

Is the approved plan of boiler forwarded herewith Yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

Drawing 8310. ✓

The material & workmanship is good.
 The boiler has been built under special survey.
 This boiler has been securely fitted on board & its safety valves have been adjusted under steam to the above pressure.

Survey request form

No. 6.307 attached

Classed Serial

Survey Fee ... £ 2 : 2 : } When applied for, Monthly Account 19
 Travelling Expenses (if any) £ : : } When received, 19

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

Committee's Minute

Assigned

Transmit to London.

GLASGOW 28 SEP. 1910

FRI. 7 APL 1911



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002241-002248-0164

If not, state whether, and where, one will be sent to
 Is a Report also sent to the Agent of the Ship?

Certificate (if required) to be sent to
 (The Surrenders are requested not to write on or below the space for Committee's Minute.)

[Im. 34—Copyable Ink.]