

REPORT ON BOILERS.

Received at London Office

 Old No. 4782
 THUR. 6 APR 1911
 No. 29353
 THUR. 29 SEP 1910

Date of writing Report 24-9-10 When handed in at Local Office 27-9-10 Port of Glasgow
 No. in Survey held at 12th August Date, First Survey Last Survey 23 Sept 1910
 Reg. Book. on the Donkey Boiler for J. S. Rudmore (Chas Austin & Son S.S. 257 Tons) Gross 469 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 St. Andrew's 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 spring loaded
 No. of safety valves 2 Area of each 14.9 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 $\frac{7}{16}$ - $\frac{1}{2}$ Range of tensile
 strength 28-32 Descrip. of riveting long. seams d l 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 Working pressure of shell by rules 102 Thickness of shell crown plates $\frac{5}{8}$ - $\frac{13}{32}$
 Radius of do. 2-10 1/2 No. of Stays to do hemispherical Dia. of stays 2-6 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 hemispherical + R Ring Working pressure of furnace by rules 108 Thickness of furnace crown
 plates 1/2 Radius of do. 2-6 Stayed by hemispherical 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.

COCHRAN & CO. ANNAN, LIMITED, Manufacturer.

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. 6.301 attached

Classed Survey

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

Committee's Minute

Assigned

Transmit to London.

GLASGOW 28 SEP. 1910

FRI. 7 APR 1911

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

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Lloyd's Register

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