

REPORT ON BOILERS.

No. 33378.

WED. DEC. 3-1913

During Report 24-11-1913 When handed in at Local Office 29-11-1913 Port of Glasgow
 Survey held at Annan Date, First Survey 31-10-13 Last Survey 21-11-1913
 on the Donkey Boiler for S. S. Fraternity (Number of Visits 4) Gross Tons Net
 Built at Annan By whom built Cochran & Co. Annan Ltd. When built 1913
 Made at Annan By whom made Cochran & Co. Annan Ltd. When made 1913
 Port belonging to

ICAL DONKEY BOILER No. 6237 Description Cochran Manufacturers of steel Stewart & Lloyds
 Annan By whom made Cochran & Co. When made 1913 Where fixed Stowehol Working pressure 100 lb
 hydraulic pressure to 200 lb Date of test 21/11/13 No. of Certificate 2422 Fire grate area 16.75 Description of safety valves Spring loaded
 ty valves 2 Area of each 4.9 Pressure to which they are adjusted 100 lb If fitted with easing gear Yes If steam from main boilers can
 onkey boiler No Dia. of donkey boiler 5.6 Length 10.9 Material of shell plates S Thickness 7/16 - 1/2 Range of tensile
 3-32 Descrip. of riveting long. seams dl Dia. of rivet holes 3/32 Whether punched or drilled d Pitch of rivets 2-63 -
 iting 3/8 Per centage of strength of joint Rivets 69 Plates 70 Working pressure of shell by rules 107 Thickness of shell crown plates 7/16 -
 do. 4-9 No. of Stays to do. None Dia. of stays 1/2 Diameter of furnace Top 2-4 1/2 Bottom 1/2 Length of furnace 3-3 3/4
 of furnace plates 2- 4/3 Description of joint hemispherical R. R. Working pressure of furnace by rules 100 Thickness of furnace crown
 1/2 Radius of do. 2-4 1/2 Stayed by hemispherical Diameter of uptake 13 x 19 1/2 Thickness of uptake plates 1/2
 of tubes Plate F. 23 B. 19 3/32 3/32
 The foregoing is a correct description.
 For COCHRAN & CO., ANNAN, LIMITED Manufacturer.

During progress of work in shops - - 1913 Oct. 31 Nov. 7. 14. 21.
 During erection on board vessel - - - 4.
 Total No. of visits 4.

Is the approved plan of boiler forwarded herewith Yes 10085

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

Material & workmanship is good.
 boiler has been built under special survey.

y request form

999 attached

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

MONTHLY ACCOUNT.

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

Committee's Minute

GLASGOW 2-DEC-1913

TUE. JAN. 13. 1914

igned Transmit to London.



Lloyd's Register
 Foundation

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