

REPORT ON BOILERS.

No. 29473.

Received at London Office

Date of writing Report 26-10-1910 When handed in at Local Office 29-10-1910 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 1st April Last Survey 25-10-1910
 Reg. Book. on the Donkey Boiler for J.P. Austin & Sons Ltd. S.D. Ship Arthur
 Master W. Street Built at Sunderland By whom built J.P. Austin & Sons Ltd When built 1910
 Boilers made at Annan By whom made Cochran & Co. Annan, Ltd When made 1910
 Owners W. Cory & Sons Ltd Port belonging to London

VERTICAL DONKEY BOILER— No. 5171 Description Cochran Pat. Manufacturers of steel W. Beaudouin & Co.
 Made at Annan By whom made Cochran & Co. Annan When made 1910 Where fixed Stakehold Working pressure 90 lb
 tested by hydraulic pressure to 180 Date of test 25/10/10 No. of Certificate 10643 Fire grate area 18.7 Description of safety valves Two spring loaded
 No. of safety valves 2 Area of each 4.06 Pressure to which they are adjusted 90 lbs If fitted with easing gear yes If steam from main boilers can
 enter the donkey boiler no Dia. of donkey boiler 6'-0" Length 14'-0" Material of shell plates steel Thickness $\frac{15}{32}$ - $\frac{17}{32}$ Range of tensile
 strength 28-32 Descrip. of riveting long. seams S. R. L. Dia. of rivet holes $2\frac{7}{32}$ Whether punched or drilled drilled Pitch of rivets 2-84
 Lap of plating $4\frac{1}{8}$ Per centage of strength of joint Rivets 71.2 Working pressure of shell by rules 109 lb Thickness of shell crown plates $7\frac{1}{16}$ - $1\frac{1}{16}$
 Radius of do. 3'-0" No. of Stays to do. hemispherical Dia. of stays — Rad. Diameter of furnace Top 2'-6" Bottom — Length of furnace 3'-4"
 Thickness of furnace plates $\frac{1}{2}$ - $\frac{11}{16}$ Description of joint dashed & rivet Working pressure of furnace by rules 100 Thickness of furnace crown
 plates $\frac{1}{2}$ Radius of do. 2'-6" Stayed by hemispherical Diameter of uptake 15" x 2" Thickness of uptake plates $9\frac{1}{16}$
 Thickness of water tubes plates, F. $2\frac{1}{32}$ B. $1\frac{11}{16}$

The foregoing is a correct description.

COCHRAN & CO. ANNAN, LIMITED. Manufacturer.

Dates { During progress of
 of Survey { work in shops --
 while { During erection on
 building { board vessel --
 Total No. of visits

1910. April 1. 8. 28. June 2. Aug 19.
 Oct. 25 Nov. 25. Dec 22
 6. 8

Is the approved plan of boiler forwarded herewith Yes

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

Drawing 7427-

The material & workmanship is good.

The boiler has been built under special survey & has been sub-
 stituted for Mess Cochran's No. 5063 boiler, which has been placed in
 stock.

Survey request form

No. C233. attached

This blr was despatched to Sunderland 26/10/10.

This boiler has been securely fitted on board & its safety valves adjusted
 under steam.

Survey Fee ... £ 2 : 2 :
 Travelling Expenses (if any) £ :

When applied for.

When received.

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

Committee's Minute GLASGOW

- 1 NOV. 1910

Assigned Transmit to London.

13 JAN 1911

Lloyd's Register

W5420258