

See Rpt No. 10740.

No. 39785

# REPORT ON BOILERS.

pt. 5b.

Received at London MAR 31 1920  
Glasgow  
Date of writing Report 27<sup>th</sup> March 20. When handed in at Local Office 27.3.20. Port of Glasgow  
No. in Reg. Book. Survey held at Annan Date, First Survey 30/1/20. Last Survey 26<sup>th</sup> March 20.  
(Number of Visits 9) Gross Tons Net  
on the Donkey Boiler No 8231 for the S. S. Kildress  
Master Built at Annan By whom built Cochran & Co. Annan Ltd When built 1920  
Boilers made at Annan By whom made Cochran & Co. Annan Ltd Port belonging to  
Owners

VERTICAL DONKEY BOILER. No. 8231 Description Cochran Manufacturers of steel Glasgow Iron Works Co.  
Made at Annan By whom made Cochran & Co When made 1920 Where fixed Strickhold Working pressure 100  
tested by hydraulic pressure to 200 Date of test 26/3/20 No. of Certificate 15194 Fire grate area 225 $\frac{1}{2}$  Description of safety valves spring loaded  
No. of safety valves 200 Area of each 4.908 Pressure to which they are adjusted 100 lb If fitted with easing gear 7-0 If steam from main boilers can  
enter the donkey boiler no Dia. of donkey boiler 6'-6" Length 14'-0" Material of shell plates S Thickness  $\frac{1}{2}$  Range of tensile 28.3  
strength 28 $\frac{1}{2}$  Descrip. of riveting long. seams Lap S.R. Dia. of rivet holes 27/32 Whether punched or drilled drilled Pitch of rivets 2.68  
Lap of plating 4 $\frac{1}{8}$  Per centage of strength of joint Rivets 66.6 Working pressure of shell by rules 105 Thickness of shell crown plates 7/16  
Radius of do. 39 in No. of Stays to do. 400 Dia. of stays 1 Diameter of furnace Top Reduced Bottom 66 in Length of furnace 43 $\frac{1}{4}$  in  
Thickness of furnace plates 1 $\frac{1}{2}$  Description of joint Riveted Ring Working pressure of furnace by rules 100 Thickness of furnace crown  
plates 1 $\frac{1}{2}$  Radius of do. 33 inches Stayed by Hemispherical Diameter of uptake 15x23 Thickness of uptake plates 9/16  
The foregoing is a correct description.  
For COCHRAN & CO., ANNAN, LIMITED Manufacturer.

During progress of work in shops - 1920 Jan 30 Feb 6.12.20 - 27 Mar 5.12.19.20.  
During erection on board vessel - Aug 17. Sept 11. Oct 15. 1920  
Total No. of visits 9. 12

Drawing No 11644

Is the approved plan of boiler forwarded herewith Yes

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

The boiler has been built under special survey.  
The workmanship and materials are good.  
The boiler is to the order of Messrs J. L. Thornycroft & Co. Southampton.  
This boiler has now been apparently fitted on board  
The safety valves have been adjusted under steam to 100 lbs per  
sq inch & worked satisfactorily

Survey request form

No C1691. attached

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

When applied for, 19  
When received, 19

MONTHLY ACCOUNT.

Peter W. Chigor, 14 Chelmsford  
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW 30 MAR 1920

Assigned

TRANSMIT TO LONDON

TUE. NOV. 29 1920

TUE. JAN. 30 1923

TUE. SEP. 4 1923

FRI. 1 JUN 1923

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Foundation