

# REPORT ON BOILERS.

Received at London Office

WED. OCT. 8 - 1913

date of writing Report 5-9-1913 When handed in at Local Office 4.10.13 Port of Glasgow  
No. in Survey held at Annan Date, First Survey 29.5.13 Last Survey 30.9.13  
Reg. Book. T.T.S. ARABIS (Number of Visits 9) Gross 36.97  
on the Donkey Boilers No 6114 & 6115 for Messrs Swan Hunter & W Richardson S.S. 922 Tons Net 2364.  
Master Candlish Built at Ind. & W.C. By whom built Smiths & Co. Ltd & Swan Hunter & W Richardson Ltd When built 1914.  
Boilers made at Annan By whom made Cochran & Co. Annan When made 1913  
Owners The Flower Motor Ship Co. Ltd Port belonging to London

VERTICAL DONKEY BOILERS Nos 6114 & 6115 Description Two Cochran Pat Manufacturers of steel D. Colville & Sons  
Made at Annan By whom made Cochran & Co. When made 1913 Where fixed On deck Working pressure 100  
Tested by hydraulic pressure to 200 Date of test 4-9-13 No. of Certificate 12285 for 6114 boiler 12287 for 6115 boiler Description of safety valves Two Spring loaded  
No. of safety valves 2 Area of each 4.91 Pressure to which they are adjusted 102 If fitted with easing gear yes If steam from main boilers can  
Enter the donkey boiler Dia. of donkey boiler 6-6 Length 16-3 Material of shell plates S Thickness  $\frac{1}{2}$  -  $\frac{19}{32}$  Range of tensile  
Length 28-32 Descrip. of riveting long. seams dl Dia. of rivet holes  $\frac{22}{32}$  Whether punched or drilled d Pitch of rivets 2-583  
Pitch of plating  $4\frac{1}{8}$  Per centage of strength of joint Rivets 71-1 Plates 67-3 Working pressure of shell by rules 106 Thickness of shell crown plates  $\frac{7}{16}$  -  $\frac{22}{32}$   
Radius of do. 3-3 No. of Stays to do. none Dia. of stays Red Diameter of furnace Top 2-9 Bottom Length of furnace 8-10  
Thickness of furnace plates  $\frac{1}{2}$  -  $\frac{22}{32}$  Description of joint hemispherical & R-R Working pressure of furnace by rules 100 Thickness of furnace crown  
Thickness of water tubes Plates F  $\frac{13}{16}$  B  $\frac{23}{32}$  Stayed by hemispherical Diameter of uptake 13 x 22 Thickness of uptake plates  $\frac{7}{16}$   
The foregoing is a correct description,  
For Cochran & Co., Annan, Ltd.  
Charles W. Compton Manufacturer.  
Director.

During progress of work in shops - 1913. May 29. June 6. 12. 27. Aug 5. 14. 22. Sept 4. Oct 3.  
During erection on board vessel - - -  
Total No. of visits 9.

Is the approved plan of boiler forwarded herewith. *fr* E 8440

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

The Material & workmanship is good.  
The boilers have been built under Special Survey.  
The furnaces, gas tight doors & the uptakes tested by a head of water 10 feet above smoke box & found satisfactory - 3/10/13 &c.

## Survey request forms

No. 843/14 attached

These boilers have been efficiently mounted & fitted on board and their safety valves adjusted under steam as above noted: An oil burning installation on the Walksand system has been fitted and complying with all the requirements of Section 49 of the rules

Reginald & Rawd.

Survey Fee ... £ 4 : 4 : } When applied for, 19  
Travelling Expenses (if any) £ : : } When received, 19

John H Heck, A.M. & Leand  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 7-OCT. 1913

Assigned Transmitted to London

FRI. FEB. 26. 1915

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Foundation