

## REPORT ON BOILERS.

No. 31482.

WED. MAY. 22. 1912

Date of writing Report 18-5-12 When handed in at Local Office 21.5.12 Port of Glasgow  
 No. in Survey held at Annan Date, First Survey 24.4.12 Last Survey 17-5-1912  
 Reg. Book. on the Donkey Boiler for S.S. (Greenock & Grangemouth 2<sup>nd</sup> Class 350) Tons  
 Master Built at By whom built When built  
 Boiler made at Annan By whom made Cochran & Co. Annan Ltd. When made 1912  
 Owners Port belonging to

VERTICAL DONKEY BOILER— No. 5673 Description Cochran Pat<sup>d</sup> Manufacturers of steel Stewart & Lloyd  
 Made at Annan By whom made Cochran & Co. When made 1912 Where fixed Upper deck Working pressure 100  
 tested by hydraulic pressure to 200 Date of test 17-5-12 No. of Certificate 11594 Fire grate area 22-5 Description of safety valves Spring  
 No. of safety valves 2 Area of each 4.91<sup>sq</sup> Pressure to which they are adjusted 104 <sup>lb</sup>/sq. in. fitted with easing gear Yes If steam from main boiler's can  
 enter the donkey boiler No Dia. of donkey boiler 6-6 Length 13-6 Material of shell plates S Thickness  $\frac{1}{2}$  -  $\frac{19}{32}$  Range of tensile  
 strength 28-32 Descrip. of riveting long. seams dl Dia. of rivet holes  $\frac{27}{32}$  Whether punched or drilled d Pitch of rivets  $\frac{2-84}{2-875}$   
 Lap of plating  $\frac{4}{8}$  Per centage of strength of joint Rivets 65-6 Plates 70-2 Working pressure of shell by rules 103 Thickness of shell crown plates  $\frac{7}{16}$  -  $\frac{7}{8}$   
 Radius of do. 3-3 No. of Stays to do. none Dia. of stays  $\frac{1}{2}$  Diameter of furnace Top 2-9 Bottom  $\frac{1}{2}$  Length of furnace 3-7 $\frac{1}{4}$   
 Thickness of furnace plates  $\frac{9}{16}$  -  $\frac{7}{8}$  Description of joint R<sup>d</sup> hemispherical R<sup>d</sup> Ring Working pressure of furnace by rules 102 Thickness of furnace crown  
 plates  $\frac{7}{16}$  Radius of do. 2-9 Stayed by hemispherical R<sup>d</sup> R<sup>d</sup> Diameter of uptake 13 x 22 Thickness of uptake plates  $\frac{7}{16}$   
 Thickness of water tubes Plate F  $\frac{13}{16}$  B  $\frac{23}{32}$   
 The foregoing is a correct description,  
 FOR COCHRAN & CO., ANNAN, LTD. Manufacturer. 23.5.12

Dates { During progress of work in shops - - 1912. Apr 24. May 3. 8. 14. 17  
 of Survey { During erection on board vessel - - -  
 while building { Total No. of visits 5.

Is the approved plan of boiler forwarded herewith *Yes*, No. 8894.

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

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

This donkey boiler has now been fitted and found  
 in a satisfactory manner.

*W. H. M.*

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

Committee's Minute GLASGOW 21 MAY. 1912

Assigned

Transmit to London.

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



Lloyd's Register  
 Foundation

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