

REPORT ON BOILERS.

No. 37107.

Date of writing Report 24-8-1917 When handed in at Local Office 25-8-1917 Port of Glasgow  
No. in Survey held at Annan Date, First Survey 10th May 1917 Last Survey 24-8-1917  
Reg. Book. on the Donkey Boiler for R.F.A. oil tanker "Palmer" (Number of Visits 10) Gross 1143 1/3  
Master Built at W. Hartlepool By whom built W. Gray & Co. Ltd. When built 1918  
Boiler made at Annan By whom made Cochran & Co. Annan Ltd. When made 1917  
Owners Admiralty Port belonging to London

VERTICAL DONKEY BOILER— No. 7540 Description Cochran Pat. Manufacturers of steel Glasgow Iron & Steel Co.  
Made at Annan By whom made Cochran & Co. When made 1917 Where fixed on upper deck Working pressure 100  
tested by hydraulic pressure to 200 Date of test 24-8-17 No. of Certificate 3885 Fire grate area 22-5 Description of safety valves Spring.  
No. of safety valves 2 Area of each 4-9 Pressure to which they are adjusted 100 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 19/32 Range of tensile  
strength 28/32 Descrip. of riveting long. seams d lap Dia. of rivet holes 27/32 Whether punched or drilled d Pitch of rivets 2-55  
Cap of plating 4-8 Per centage of strength of joint Rivets 71 Working pressure of shell by rules 105 Thickness of shell crown plates 7/16-27/32  
Radius of do. 3-3 No. of Stays to do. None Dia. of stays Diameter of furnace Top 2-9 Bottom Length of furnace 3-7 1/4  
Thickness of furnace plates 1/2-27/32 Description of joint Hemispherical R. Ring Working pressure of furnace by rules 100 Thickness of furnace crown  
plates 1/2 Radius of do. 2-9 Stayed by hemispherical Diameter of uptake 15 x 23 Thickness of uptake plates 9/16  
Thickness of water tubes Plate F 13/16 B 23/32  
The foregoing is a correct description.  
W. Gray For COCHRAN & CO., ANNAN, LIMITED Manufacturer.

Dates During progress of work in shops - 1917 Mar 10-25 June 4-15-22-29 July 6-11 Aug 9-24  
of Survey During erection on board vessel -  
while building Total No. of visits 10  
Is the approved plan of boiler forwarded herewith Yes. N: 11419

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)  
The Material & workmanship is good.  
The boiler has been built under special survey. And has been fitted on board the above-named vessel.

Survey request form  
No C1480 attached

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

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

Committee's Minute GLASGOW 28 AUG. 1917  
Assigned TRANSMIT TO LONDON