

REPORT ON BOILERS.

No. 81203

11 OCT 1918 Lib. Rpt. No. 17587

Received at London Office  
11 OCT 1918  
Port of London  
When handed in at Local Office  
11 OCT 1918  
Survey held at Hitchen  
Date, First Survey Aug 28. 1918 Last Survey Sept. 20. 1918  
No. in Reg. Book. 10  
on the Spencer-Hopwood Boilers for 1000 lbs bags  
CRETEHIGHWAY.  
Built at Greenock By whom built The Scottish Concrete Ship Co. Ltd. When built 1919.  
Boilers made at Hitchen By whom made W. H. Spencer & Co. When made 1919  
Port belonging to London.

VERTICAL DONKEY BOILER— No. LL4 Description Spencer-Hopwood Manufacturers of steel Leeds Forge Co.  
Made at Hitchen By whom made W. H. Spencer & Co. When made 1918 Where fixed House. Apt. Working pressure 150 lbs  
Tested by hydraulic pressure to 300 Date of test 20.9.19 No. of Certificate 1187 Fire grate area 12.5 sq. ft. Description of safety valves Spring loaded  
No. of safety valves Two Area of each 3.14 sq. ft. Pressure to which they are adjusted 150 If fitted with easing gear Yes If steam from main boilers can  
Enter the donkey boiler Dia. of donkey boiler 4'-6 1/4" Length 10'-3" Material of shell plates Steel Thickness 1/2" Range of tensile  
26-30 Descrip. of riveting long. seams B.R. lap Dia. of rivet holes 7/8" Whether punched or drilled Drilled Pitch of rivets 2 7/8"  
Plating 4 3/4" Per centage of strength of joint Rivets 70.8 Working pressure of shell by rules 168 Thickness of shell crown plates 1/16"  
of do. flat No. of Stays to do. none Dia. of stays 1" Diameter of furnace Top 9" Bottom 4'-2 3/4" Length of furnace 24"  
Thickness of furnace plates 3/8" Description of joint welded Working pressure of furnace by rules 160 Thickness of furnace crown  
1/16" Radius of do. flat Stayed by 1" Diameter of uptake 1'-6" Thickness of uptake plates 3/4"  
Thickness of water tubes 10-10 lbs.  
The foregoing is a correct description,  
W. H. Spencer & Co. Manufacturer.

During progress of work in shops— Aug 28. Sep 6. 20 (1918)  
During erection on Lib. (1918) Oct. 17 (1919) Jan. 23. Mar. 12. Apr. 1. June. 4. Oct. 13. 30. Nov. 17. 19. Dec. 4. 10.  
board vessel —  
Total No. of visits Is the approved plan of boiler forwarded herewith Previously forwarded

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)  
This boiler has been built under Special Survey and accordance with the approved plan.  
The material has been manufactured by The Leeds Forge Co. and tested by the Society's Surveyors.  
The workmanship is good and the boiler was tested by hydraulic pressure to 300 lbs per sq. in. and was found tight and sound.  
Notice of the destination of this boiler will be sent to this office.  
This boiler is now efficiently fitted in the vessel, under Special Survey. The safety valves were seen adjusted under steam to 150 lbs per square inch—thickness of washers 13/32" Apt 11/32"—and the pumps & air connections are in order.

It is submitted that this vessel is eligible for THE RECORD + D.B. 12.19 150 lbs.  
Survey Fee 10/- 10/- 10/- 10/- 10/- 10/- 10/- 10/- 10/- 10/-  
Travelling Expenses (if any) £ 9 9 9 9 9 9 9 9 9 9  
When applied for 1/11/19 19 20  
When received 16/11/19 19 20  
To be rendered in London.  
16 DEC 1919  
Committee's Minute GLASGOW  
Signed + NDB 12.19 - 150 lbs.  
Engineer, Surveyor to Lloyd's Register of Shipping.  
Lloyd's Register Foundation