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# REPORT ON BOILERS.

No. 82715.

Date of writing Report *Aug. 15<sup>th</sup> 1919* When handed in at Local Office *16. 8. 1919* Port of *London*  
 Received at London Office *16. 8. 1919*  
 No. in Reg. Book. Survey held at *Hitchin* Date, First Survey *June 27<sup>th</sup> 1919* Last Survey *Aug. 8<sup>th</sup> 1919*  
 on the *Spencer-Hopwood Boilers, for 1000 lbs. Concrete barges* (Number of Visits *3*) Gross Tons }  
 Net Tons }  
 Built at *Hitchin* By whom built *W. H. Spencer & Co.* When built *1919*  
 Port belonging to

**VERTICAL DONKEY BOILER** No. *2610* Description *Spencer-Hopwood* Manufacturers of steel *Leeds Forge Co.*  
 Made at *Hitchin* By whom made *W. H. Spencer & Co.* When made *1919* Where fixed Working pressure *150 lbs*  
 Tested by hydraulic pressure to *300* Date of test *8. 8. 19* No. of Certificate *1204* Fire grate area Description of safety valves  
 No. of safety valves Area of each Pressure to which they are adjusted If fitted with easing gear 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  
 strength *26-30* Descrip. of riveting long. seams *W. H. Lab* Dia. of rivet holes *7/8"* Whether punched or drilled *drilled* Pitch of rivets *2 3/8"*  
 Gap of plating *4 3/8"* Per centage of strength of joint Rivets *77.8* Working pressure of shell by rules *157* Thickness of shell crown plates *1/16"*  
 Radius of do. *flat* No. of Stays to do. *none* Dia. of stays Diameter of furnace Top *9"* Bottom *4'-2 3/4"* Length of furnace *24"*  
 Thickness of furnace plates *5/8"* Description of joint *welded* Working pressure of furnace by rules *160* Thickness of furnace crown  
 plates *1/16"* Radius of do. *flat* Stayed by Diameter of uptake *18"* Thickness of uptake plates *3/4"*  
 Thickness of water tubes *10/16 lbs.*  
 The foregoing is a correct description,  
*W. H. Spencer & Co.* Manufacturer.

Dates of Survey while building  
 During progress of work in shops - *1919. June 27. July 18. Aug. 8.*  
 During erection on board vessel -  
 Total No. of visits

Is the approved plan of boiler forwarded herewith

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

*This boiler has been built under Special Survey and in accordance with the Rules and the approved plan. The material has been manufactured by the Leeds Forge Co. and tested by the Special Surveyors. The workmanship is good and the boiler was tested by hydraulic pressure to 300 lbs per sq. in.*

Survey Fee £ *6* : *6* : *0* When applied for, *2/3/19* from *London*  
 Chargeable Expenses (if any) £ : : When received, *16/4/20* from *W. H.*

*J. A. Cornick*  
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute  
 Assigned

