

"Cretus made"

# REPORT ON BOILERS.

No. 81960

Date of writing Report *Dec. 6<sup>th</sup> 1918* When handed in at Local Office *6 DEC 1918* Port of *London*  
 No. in Survey held at *Stitchin* Date, First Survey *Oct 11<sup>th</sup> 1918*  
 on the *Spencer-Hopwood Boiler, Admiralty Gunboat Range*  
 Built at *Stitchin* By whom built *W. H. Spencer & Co.* When built *1918*  
 Port belonging to

**VERTICAL DONKEY BOILER**— No. *225* Description *Spencer-Hopwood* Manufacturers of steel *Leeds Forge Co.*  
 Made at *Stitchin* By whom made *W. H. Spencer & Co.* When made *1918* Where fixed *Working pressure 150 lb per sq in*  
 Tested by hydraulic pressure to *300* Date of test *10.10.18* No. of Certificate *1188* Fire grate area *125 sq ft* Description of safety valves *Spring loaded*  
 No. of safety valves *2* Area of each *3.14 sq ft* Pressure to which they are adjusted *150 lb per sq in* If fitted with easing gear *Yes* If steam from main boilers can be used for the donkey boiler *Yes*  
 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 *5/8" lap* Dia. of rivet holes *7/8"* Whether punched or drilled *Drilled* Pitch of rivets *2 1/4"*  
 No. of plating *4 3/4"* Per centage of strength of joint *70.8* Rivets *70.8* Working pressure of shell by rules *168* Thickness of shell crown plates *1/16"*  
 Dia. of do. *flat* No. of Stays to do. *none* Dia. of stays *✓* Diameter of furnace Top *9"* Bottom *4'-2 1/4"* 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 *1'-6"* Thickness of uptake plates *3/4"*  
 Thickness of water tubes *no 10 lbs*  
 The foregoing is a correct description,  
*W. H. Spencer & Co.* Manufacturer.

Dates *During progress of work in shops - -*  
 Survey *During erection on board vessel - -*  
 while *building*  
 Total No. of visits *Is the approved plan of boiler forwarded herewith* *Permanently*

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.)  
*This boiler has been built under Special Survey and in 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 lb per sq in.*  
*The destination of this boiler is John Verkerke, Auxiliary Shipyard Extension No. 122 Shoreham.*

Survey Fee ... £ *6 : 6 : 9* When applied for. *257 7/8* 1919  
 Travelling Expenses (if any) £ *31* When received. *31* 1919  
 Committee's Minute  
 Signed  
 TUE. 22 JUL. 1919 TUE. OCT. 19 1920  
 FRI. FEB. 4 1921  
 Engineer Surveyor to Lloyd's Register of Shipping  
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 W1095-0154