

# REPORT ON BOILERS.

No. 82171

Date of writing Report May 10<sup>th</sup> 1919 When handed in at Local Office 25/9/19 Port of London Received at London Office 25th Sept 1919  
 No. in Survey held at Stitchin Date, First Survey April 1st Last Survey May 7<sup>th</sup> 1919  
 Reg. Book. on the Spencer. Hopwood Boilers, for concrete barges, Admiralty (Number of Visits 2) Gross 1000 Tons Net —  
 Master — Built at Stitchin By whom built W. H. Spencer & Co. When built 1919  
 Boilers made at Stitchin By whom made W. H. Spencer & Co. When made 1919  
 Owners — Port belonging to —

VERTICAL DONKEY BOILER— No. LL.8 Description Spencer. Hopwood Manufacturers of steel The Leeds Forge Co.  
 Made at Stitchin By whom made W. H. Spencer & Co. When made 1919 Where fixed House aft Working pressure 150 lb.  
 tested by hydraulic pressure to 300 Date of test 7.5.19 No. of Certificate 1200 Fire grate area — Description of safety valves Spring loaded  
 No. of safety valves 2 Area of each 3' 11 1/4" 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 strength 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"  
 Lap of plating 4 3/4" Per centage of strength of joint 70.8 Working pressure of shell by rules 168 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 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 18" Thickness of uptake plates 3/4"  
 Thickness of water tubes no. 10 S.W.G.

The foregoing is a correct description,  
W. H. Spencer & Co. Manufacturer.  
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Dates of Survey while building  
 During progress of work in shops 1919: - April May 7.  
 During erection on board vessel 1919: - Sep 17  
 Total No. of visits 3

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 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. it is stamped

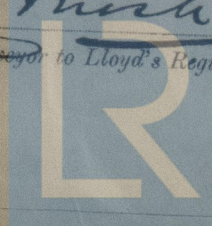
no. 1200  
 Leeds Forge Co.  
 300 lb.  
 7.5.19 L.R.C.

The Boiler has been despatched to —  
Walthamstow. The Queen Mary S.B.C.

Survey Fee ... £ 6 : 6 : 0 When applied for, 25/9/19  
 Travelling Expenses (if any) £ — When received, 16.4 1920

Committee's Minute TUE. 30. SEP. 1919  
 Assigned

Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register Foundation

W702 - 0176