

# REPORT ON BOILERS.

No. 72933.

SAT. MAR. 27 1920

Received at London Office

Survey Report 20/3/1920 When handed in at Local Office 26/3/1920 Port of NEWCASTLE-ON-TYNE.  
 Survey held at Newcastle-on-Tyne Date, First Survey Jan'y 24<sup>th</sup> 1920 Last Survey 16<sup>th</sup> Mar 1920  
 on the Vertical Cross-tube Boiler, No. 2524 E. G.W.C. 11-12" (Non-Fix. Hoops Range) Tons Gross 164 Net 120  
 Built at J. Hens Lobnitz & Co. Ltd. By whom built Lobnitz & Co. Ltd. When built 1920  
 made at Newcastle By whom made J. Hens Clarke Chapman When made 1920  
 Port belonging to

**VERTICAL DONKEY BOILER**— No. 1 Description Vertical Cross-tube Manufacturers of steel J. Spencer & Son.  
 Newcastle By whom made Clarke Chapman When made 1920 Where fixed Working pressure 120 lb.  
 hydraulic pressure to 240 Date of test 16/3/20 No. of Certificate 9375 Fire grate area 11 sq ft Description of safety valves  
 safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can  
 donkey boiler Dia. of donkey boiler 4'-6" Length 10'-0" Material of shell plates steel Thickness 7/16" Range of tensile  
 22 Descrip. of riveting long. seams D.R. Lap. Dia. of rivet holes 7/8" Whether punched or drilled drilled Pitch of rivets 3 3/16"  
 4 1/4" Per centage of strength of joint Rivets 173.5 Working pressure of shell by rules 137.5 lb Thickness of shell crown plates 19/32"  
 5'-0" No. of Stays to do. 3 Dia. of stays 1 3/4" eff. Diameter of furnace Top 3'-5 3/8" Bottom 3'-9 1/2" Length of furnace 54"  
 of furnace plates 19/32" Description of joint S.R. Lap. Working pressure of furnace by rules 132 lb Thickness of furnace crown  
 16" Radius of do. 5'-0" Stayed by as above Diameter of uptake 1'-0" Thickness of uptake plates 7/16"  
 of water tubes 7/16"

The foregoing is a correct description,  
 For CLARKE, CHAPMAN & CO. LTD. Manufacturer.  
 W. H. M. Director.

During progress of work in shops - - 1920 Jan'y 24. 20 Feb'y 5. 10. 18. 21. 24 Mar. 2. 8. 16.  
 During erection on board vessel - -  
 Total No. of visits 10. Is the approved plan of boiler forwarded herewith Yes.

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

This donkey boiler has been constructed under special survey, & the materials and workmanship are sound & good.  
 This boiler has now been satisfactorily fitted on board.  
 A. M. McLeand.

Survey Fee ... : 2 : } When applied for, Monthly 9/6.  
 Travelling Expenses (if any) ... : : } When received, 19

B. N. Stuart.

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

Committee's Minute

Assigned Not for classing Committee

009514-009521-0088

Lloyd's Register Foundation