

# REPORT ON BOILERS.

No. 72933.

SAT. MAR. 27 1920

Received at London Office

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 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** (Number of Visits **10**) (Gross Tons **Net**)  
 made at **Newcastle** Built at **for Messrs Lobnitz & Co. Ltd** By whom built **Lobnitz & Co. Ltd** When built **1920**  
 By whom made **J. Spencer & Son** When made **1920**  
 Port belonging to

**VERTICAL DONKEY BOILER** No. **1** Description **Vertical Cross-tube** Manufacturers of steel **J. Spencer & Son**  
 By whom made **Clarke Chapman** When made **1920** Where fixed **Newcastle** Working pressure **120 lbs.**

hydraulic pressure to **240** Date of test **16/3/20** No. of Certificate **9375** Fire grate area **11 sq** 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"**

g **4 1/4"** Per centage of strength of joint Rivets **173.5** Working pressure of shell by rules **137.5 lbs** Thickness of shell crown plates **19/32"**

5'-0" No. of Stays to do. **3** Dia. of stays **1 1/4" eff.** Diameter of furnace Top **3'-5 1/2"** Bottom **3'-9 1/2"** Length of furnace **54"**

of furnace plates **19/32"** Description of joint **S.P. Lap.** Working pressure of furnace by rules **132 lbs.** 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. W. W. W.** Director.

During progress of work in shops - - **1920 Jan 24. 20 Feb 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. Keane.**

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

**G. N. Stuart.**

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

Committee's Minute  
 Assigned **Not for classing Committee**



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