

REPORT ON BOILERS.

No. 6242.

Date of writing Report 21<sup>st</sup> Nov. 19 21. When handed in at Local Office 19 Port of Copenhagen.  
No. in Survey held at Copenhagen Date, First Survey 15<sup>th</sup> Sept. 1920 Last Survey 8<sup>th</sup> Novr. 19 21.  
Reg. Book. 38043 on the Steel Twin Screw Motor Vessel "Kedoe" B. & W. Yard No 319 (Number of Visits 18.) Gross abt. 3750 Tons Net abt. 2300.  
Master V Built at Copenhagen By whom built Akt. Burmeister & Wain's Maskin- & Skibby. When built 1921.  
Boilers made at Copenhagen By whom made Akt. Petersen & Wraae, Maskinfabrik & Koldsmiedie When made 1920-21.  
Owners Rotterdamse Lloyd (Mm. Ruys & Zonen). Port belonging to Rotterdam.

VERTICAL DONKEY BOILER— No. One Description Vertical cross tube  
Made at Copenhagen By whom made Akt. Petersen & Wraae When made 1920-21. Where fixed In the motor room Working pressure 100 lbs.  
tested by hydraulic pressure to 200 lbs. Date of test 11<sup>th</sup> May 1921 No. of Certificate 417 Fire grate area 12.5 sq ft Description of safety valves Direct spring loaded  
No. of safety valves 2 off Area of each 3.10 Pressure to which they are adjusted 100 lbs/sq in If fitted with easing gear yes If steam from main boilers can enter the donkey boiler fitted. Dia. of donkey boiler 4' 6" 2 3/32 Length 10' 4" Material of shell plates S. M. Steel Thickness 25/64" Range of tensile strength 10-32 Descrip. of riveting long. seams double riveted. Dia. of rivet holes 3/4" Whether punched or drilled drilled Pitch of rivets 2 9/16" Lap of plating 3 25/32 Per centage of strength of joint Rivets 78.7 Working pressure of shell by rules 110.4 Thickness of shell crown plates 43/64" Radius of do. 13 1/4 No. of Stays to do. None Dia. of stays Diameter of furnace Top 3' 3 3/8" Bottom 3' 11 1/4" Length of furnace 5' 8 3/16" Thickness of furnace plates 13 3/64 Description of joint Lap joint double riveted Working pressure of furnace by rules 100 lbs. Thickness of furnace crown plates 19 3/4 Radius of do. 3' 11 1/4 Stayed by No stays Diameter of uptake 13 25/64 Thickness of uptake plates 12 1/2 15/32 Thickness of water tubes 10 1/4 - 25/64

The foregoing is a correct description,  
PETERSEN & WRAAE Manufacturer.

Dates of Survey while building During progress of work in shops - 4/9, 15/9, 20, 7/10, 13/10, 31/10, 8/2, 15/2, 11/3, 30/3, 2/5, 6/5, 11/5, 21/6 1921.  
During erection on board vessel - 29/9, 7/10, 19/10, 29/10, 8/11, 21.  
Total No. of visits 18  
Is the approved plan of boiler forwarded herewith No.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)  
The boiler has been built under Special Survey in accordance with the Rules, the approved plan and the requirements contained in letter E dated 15<sup>th</sup> June 1920. R M 14/6/20  
The workmanship and the material are of good description in every respect.  
The boiler plates used in construction have been tested by the Surveyor to Bureau Veritas at Glasgow and have been accepted in this instance. (London letter E dated 15<sup>th</sup> October 1920 to the Secretary, Glasgow).  
The remaining part of the material has been tested in accordance with the Rules as per testnotes produced.

A duplex Worthington feed pump 90 w/m x 60 w/m x 90 w/m and a feed injector fitted.

Survey Fee ... .. £. 93 : 32 : } When applied for, 22.8. 19 21.  
Travelling Expenses (if any) £ : : } When received, 7.7. 19 21.  
FRI JAN. 27 1922  
A. E. Johnson, Engineer Surveyor to Lloyd's Register of Shipping.