

# REPORT ON BOILERS.

No. 16602

Received at London Office  
 Describing Report 19 When handed in at Local Office 17/5/19 Port of NEW YORK  
 Survey held at Brooklyn, N.Y. Date, First Survey 3 Oct/18 Last Survey Feb. 11<sup>th</sup> 1919  
 on the S.S. "FREDERIC R. KELLOGG" Number of Visits 3 Gross 127 Tons Net 118  
 Built at Oakland, Cal. By whom built Moore + Scott Iron Works When built 1917-8  
 made at Chester, Pa. By whom made Sun Shipbuilding Co. When made 1918  
 Pan-American Petroleum + Transport Co. Port belonging to Los Angeles, Cal.

**TICAL DONKEY BOILER**— No. 137 Description Vert. Tubular Manufacturers of steel Glasgow Iron Co.  
 Brooklyn By whom made Robins D.D. + Repair Co. When made 1919 Where fixed Stokehold Working pressure 120 lbs.  
 hydraulic pressure to 180 lbs. Date of test Feb. 13-19 No. of Certificate 137 Fire grate area 12.9 sq. Description of safety valves 3 "Spring loaded"  
 safety valves one Area of each 7.06 sq. Pressure to which they are adjusted 120 lbs. If fitted with easing gear Yes If steam from main boilers can  
 be donkey boiler No Dia. of donkey boiler 5' 0" Length 8' 0" Material of shell plates Steel Thickness 7/16" Range of tensile  
 63,000 lbs. Descrip. of riveting long. seams D. Riveted Lap. Dia. of rivet holes 1 5/16" Whether punched or drilled drilled Pitch of rivets 3 1/4"  
 plating 4 1/16" Per centage of strength of joint Rivets 71.7% Plates 71.0% Working pressure of shell by rules 121 lbs. Thickness of shell crown plates 1/16"  
 of do. 29 1/4" No. of Stays to do. Dia. of stays Diameter of furnace Top 50" Bottom 50" Length of furnace 2' 6"  
 thickness of furnace plates 9/16" Description of joint S. Riveted Lap. Working pressure of furnace by rules 142.8 lbs. Thickness of furnace crown  
 9/16" Radius of do. 25" Stayed by 264 Tubes Diameter of uptake Thickness of uptake plates  
 thickness of water tubes The foregoing is a correct description,  
 plates stayed by 2 rows, 1 1/4" screwed stays, between rows + furnace ends = 8 5/8"; Pitch between stays = 7" per Robins D.D. + Repair Co. Manufacturer.

During progress of work in shops— Jan. 3<sup>rd</sup>, 4<sup>th</sup>, 9<sup>th</sup>, 11<sup>th</sup>, 13<sup>th</sup>, 16<sup>th</sup>, 17<sup>th</sup> 1919.  
 During erection on board vessel— Feb. 13 + 14 1919.  
 Total No. of visits 9 Is the approved plan of boiler forwarded herewith Yes.

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.)  
 The workmanship + material are both of good quality.  
 boiler placed on board, mountings examined + fitted.  
 Boiler tested by hydraulic pressure + safety valves  
 adjusted under steam as noted above.

Survey Fee ... £ \$50.00. When applied for, 21 May 1919.  
 Travelling Expenses (if any) £ ✓ : : When received, 19

Committee's Minute New York MAY 20 1919  
 signed + N.O.B. 19-120#

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

