

REPORT ON BOILERS.

No. 16602

Received at London Office

Writing Report 19 When handed in at Local Office 17/5/19 Port of NEW YORK
 Survey held at Brooklyn, N.Y. Date, First Survey 2 Oct/18 Last Survey Feb. 14th 1919
 on the S.S. "FREDERIC R. KELLOGG" (Number of Visits 3 Jan/19) 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.
 at Brooklyn By whom made Robins D.D. + Repair Co. When made 1919 Where fixed Stokehold Working pressure 120 lbs.
 hydraulic pressure to 18 lbs Date of test Feb. 13-19 No. of Certificate 137 Fire grate area 12.9 sq ft Description of safety valves 3 "Spring loaded"
 safety valves one Area of each 7.06 sq ft 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
 strength 63,000 lbs to 69,000 lbs Descrip. of riveting long. seams D. Riveted lap Dia. of rivet holes 15/16" 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
 plates 9/16" Radius of do. 2.5" Stayed by 264 Tubes Diameter of uptake Thickness of uptake plates
 thickness of water tubes
 plates stayed by 2 rows, 1 1/4" screwed stays, The foregoing is a correct description,
 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 3rd, 4th, 9th, 11th, 13th, 16th, 17th 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

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

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

