

REC'D NEW YORK JUN 30 1921

5b.

REPORT ON BOILERS.

No. 4190
TUE JUL 26 1921

Received at London Office
 Port of Philadelphia
 Date, First Survey Jan 11th Last Survey June 11th 1921
 (Number of Visits 11)
 Gross 816 1/4
 Net 521 1/4
 Tons
 Survey held at Philadelphia
 on the New Steel U. S. Motor Ship "William Penn"
 Built at Albion By whom built Quincy Jones Co When built 1921
 Made at Philadelphia By whom made W Cramp Sons & E. P. Coy When made 1921
 Port belonging to Albion

VERTICAL DONKEY BOILER— No. One Description Vertical Tubular Manufacturers of steel Worth Steel Co
 Made at Philadelphia By whom made W Cramp Sons & E. P. Coy When made 1921 Where fixed Engine Room Working pressure 110
 Tested by hydraulic pressure to 220 Date of test 8-11-20 No. of Certificate 1195 Fire grate area 410 Description of safety valves Spring loaded
 No. of safety valves one dia. of each 2 1/2 Pressure to which they are adjusted 220 If fitted with easing gear yes If steam from main boilers can
 be used for the donkey boiler ✓ Dia. of donkey boiler 11-6 1/16 Length 11-8" Material of shell plates Steel Thickness 13 3/32" Range of tensile
 strength 41650 lbs. Description of riveting long. seams D.R. Lap Dia. of rivet holes 5/16 Whether punched or drilled drilled Pitch of rivets 2-5/8"
 Thickness of plating 3/4" Per centage of strength of joint 85.96 Working pressure of shell by rules 110-8 lbs Thickness of shell crown plates 5/8"
 Radius of do. flat No. of Stays to do. True (check) Dia. of stays 1 1/2 Diameter of furnace Top 5-9 1/4" Bottom 4-6" Length of furnace 11-5 1/16"
 Thickness of furnace plates 3/8" Description of joint weld Working pressure of furnace by rules 122 lbs Thickness of furnace crown
 plates 5/8" Radius of do. flat Stayed by stayed tubes Diameter of uptake ✓ Thickness of uptake plates ✓
 Thickness of water tubes 12 B.W.G.

The foregoing is a correct description,
 THE WM. CRAMP & SONS SHIP & ENGINE BUILDING CO.
 J. J. Miller
 Manufacturer.

Dates
 Survey
 while
 building
 During progress of work in shops - Apr 11-28
 During erection on board vessel - May 9-16-23-31
 Total No. of visits 11 visits
 Is the approved plan of boiler forwarded herewith yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
This boiler has been built under special survey, materials & workmanship
 ok. It has been installed & secured in the vessel & is in good
 safe working condition & eligible in my opinion to be classed.

Survey Fee \$ 25.00 : } When applied for, 19.....
 Travelling Expenses (if any) £ ✓ : } When received, 29/7/21 19.....

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

Committee's Minute
 signed Lee Phil. 4190
 New York JUL 12 1921

