

REC'D NEW YORK JUN 30 1921

5b.

# REPORT ON BOILERS.

No. 4190  
TUE JUL 26 1921

of writing Report  
No. in Survey held at Philadelphia  
7. Book. on the New Steel S. S. Motor Ship "William Penn"  
ter Philadelphia Built at Gloucester By whom built P. Jones & Co  
ers made at Philadelphia By whom made W. Cramp & Sons & E. B. Co  
ers Emergency Fleet Corp. Port belonging to Gloucester

VERTICAL DONKEY BOILER— No. One Description Vertical Tubular Manufacturers of steel W. H. Stearns & Co  
Philadelphia By whom made W. Cramp & Sons & E. B. Co When made 1921 Where fixed Engine Room Working pressure 110  
d by hydraulic pressure to 220 Date of test 8-11-20 No. of Certificate 1495 Fire grate area 46 Description of safety valves Spring loaded  
of safety valves One dia 2 1/2 Pressure to which they are adjusted 220 If fitted with easing gear yes If steam from main boilers can  
the donkey boiler ✓ Dia. of donkey boiler 11-6 1/2 Length 11-8 Material of shell plates Steel Thickness 13 3/8 Range of tensile  
gth 41650 lbs. Descrip. of riveting long. seams D.R. Lap Dia. of rivet holes 5/16 Whether punched or drilled drilled Pitch of rivets 2-5/8  
of plating 3/4 Per centage of strength of joint Rivets 85.96 Working pressure of shell by rules 140-8 lbs Thickness of shell crown plates 5/8  
us of do. flat No. of Stays to do. True (vertical) Plates 67.8 Diameter of furnace Top 5-9 1/2 Bottom 4-6 Length of furnace 11-5 1/2  
Thickness of furnace plates 3/8 Description of joint Weld Working pressure of furnace by rules 125 lbs Thickness of furnace crown  
us 5/8 Radius of do. flat Stayed by riveted tubes Diameter of uptake ✓ Thickness of uptake plates ✓  
Thickness of water tubes 12 B.W.G.

THE WM. CRAMP & SONS SHIP & ENGINE BUILDING CO.

The foregoing is a correct description,

J. J. Miller

Manufacturer.

Dates During progress of work in shops - 11-78 to 10-73  
Survey During erection on board vessel - May 9-16-73-31 June 8-74  
Total No. of visits 14 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

Shipping Travelling Expenses (if any) £

When applied for, 19

When received, 29/7/19 21

William Butler

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

Committee's Minute

New York JUL 12 1921

signed

Lee Phil. 4190



Lloyd's Register Foundation

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