

s/s Japan Arrow, Boston report 1427.

REC'D NEW YORK DEC - 9 1920

REPORT ON BOILERS.

No. 3586

MON. 3 JAN. 1920

Received at London Office

Writing Report Dec 13th 1919 When handed in at Local Office Dec 30 1919 Port of Philadelphia Pa.

Survey held at Wilmington Del Date, First Survey Nov 4th 1919 Last Survey Dec 9th 1919

on the (Number of Visits 4) Tons } Gross } Net }

Built at By whom built When built

made at Wilmington Del By whom made Bethlehem Ship Bldg Co (Harlan Plant) When made

Port belonging to

VERTICAL DONKEY BOILER - No. 1386 Description Vert tubular Manufacturers of steel Lukens S. I. Co.

Wilmington Del By whom made Bethlehem Ship Bldg Co When made 1919 Where fixed Working pressure 125

hydraulic pressure to 190 Date of test 9-12-19 No. of Certificate 404 Fire grate area 49³ Description of safety valves

safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can

be used on donkey boiler Dia. of donkey boiler 3' Length 6' Material of shell plates Steel Thickness 11/32 Range of tensile

strength 60 to 70 Descrip. of riveting long. seams DR-L Dia. of rivet holes 3/4 Whether punched or drilled drilled Pitch of rivets 2 3/4

of plating 1/4 Per centage of strength of joint Rivets 49.4 Plates 42.4 Working pressure of shell by rules 138 Thickness of shell crown plates 1/2

of do. No. of stays to do. Dia. of stays Diameter of furnace Top 30 Bottom 30 Length of furnace 19 7/8

Thickness of furnace plates 3/8 Description of joint SR-L Working pressure of furnace by rules 124.5 Thickness of furnace crown

plates Radius of do. Stayed by Diameter of uptake Thickness of uptake plates

Thickness of water tubes

The foregoing is a correct description,
BETHLEHEM SHIPBUILDING CORPN., Ltd. HARLAN PLANT Manufacturer.
BY *W. M. Smith* ASSISTANT GENERAL MANAGER.

During progress of work in shops - - Nov 4 - 11 - 26 Dec 9th 1919

During erection on board vessel - -

Total No. of visits Is the approved plan of boiler forwarded herewith *Yes*.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

The boiler has been constructed under Special Survey, in accordance with the approved plans. The workmanship and materials are good.

The boiler has been shipped to Fore River Mass. to be installed on the vessel.

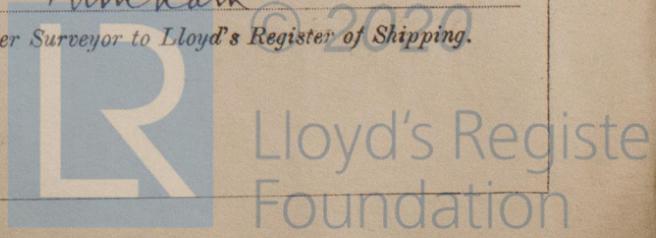
Survey Fee \$ 35 : 00 : } When applied for, 1919

Travelling Expenses (if any) \$ 2 : 00 : } When received, 10/1/19

Credit Philadelphia *W. M. Smith*
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute New York DEC 14 1920

Signed Dec Bos 1427



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