

REC'D NEW YORK MAR 23 1921

5b.

REPORT ON BOILERS.

No. 3736

TUE. 12 APR. 1921

Received at London Office

of writing Report 1st April 1920. When handed in at Local Office 1st April 1920 Port of Philadelphia

No. in Survey held at Baltimore Md Date, First Survey Last Survey 17th March 1921
 Book. on the Steamer Aladdin Sparrows Point Plant Hull 4207. Tons Gross 6882 Net 4223
 By whom built Bethlehem SB Corp When built 1921
 By whom made Bethlehem Shipbuilding Corp Ltd When made 1920
 Port belonging to New York

VERTICAL DONKEY BOILER— No. Description Vertical Manufacturers of steel Lukens, Jr & Co.
 Made at Wilmington By whom made Bethlehem Shipbuilding Corporation Ltd. When made 1920 Where fixed Boiler room Working pressure 125
 Tested by hydraulic pressure to 190 Date of test 18-3-20 No. of Certificate 437 Fire grate area 4.9 Description of safety valves Spring loaded
 of safety valves 1 Area of each 3.142 Pressure to which they are adjusted 125 If fitted with easing gear no If steam from main boilers can
 for the donkey boiler Dia. of donkey boiler 3'-0" I.D. Length 4'-0" Material of shell plates steel Thickness 3/32" Range of tensile
 strength 60,000 lbs Descrip. of riveting long. seams D. R. Lap. Dia. of rivet holes 3/4" Whether punched or drilled drilled Pitch of rivets 2 3/4"
 of plating 4" Per centage of strength of joint Rivets 79.4 Working pressure of shell by rules 138 Thickness of shell crown plates 1/2"
 Radius of do. Flat No. of Stays to do. Dia. of stays Diameter of furnace Top 2'-6" Bottom 2'-6" Length of furnace 19 7/8"
 Thickness of furnace plates 3/8" Description of joint S. R. Lap. Working pressure of furnace by rules 151 Thickness of furnace crown
 plates 1/16" Radius of do. Flat Stayed by tubes Diameter of uptake Thickness of uptake plates
 Thickness of water tubes

The foregoing is a correct description.

C. B. German Manufacturer.

Dates During progress of work in shops - 1920. Feb 18. March 9, 12, 18, 23.
 Survey while building During erection on board vessel - Feb 15th 18-21. 23 March 9th 14 17th
 Total No. of visits

Is the approved plan of boiler forwarded herewith

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

This boiler has been constructed under Special Survey and in accordance with approved plans. The materials and workmanship are good. To complete the survey, the boiler to be installed on board, mountings to be fitted and safety valves adjusted under steam.

This boiler has been installed on board the vessel under Special Survey mountings examined and found satisfactory. Safety valve adjusted under steam to blow at 125 lbs per square inch.

Bredie Philadelphia

Survey Fee ... \$ 35.00. : When applied for, 19
 Travelling Expenses (if any) \$ 2.50. : When received, 28 May 1921

Committee's Minute New York MAR 29 1921

Assigned See Balb. Rpt 3134

Engineer Surveyor to Lloyd's Register of Shipping.

J. Blalock
 L. Rosworthy
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