

# REPORT ON BOILERS.

No. 2353

REC'D NEW YORK May 31 1918  
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Writing Report May 17 1918 Port of Baltimore  
Date, First Survey October 2, 1917 Last Survey May 6, 1918  
(Number of Visits)

Survey held at Baltimore Md.  
Gross 8301.06  
Net 6227.08  
Tons

on the S. S. Ampetco  
Built at Sparrows Point Md By whom built Bethlehem Shipbuilding Co When built 4. 18.

By whom made Bethlehem Shipbuilding Co. When made 4. 18.  
By whom made Bethlehem Shipbuilding Co. When made 3. 18.

Registered Horse Power \_\_\_\_\_ Owners U.S. Shipping Board. Emergency Fleet Corp port belonging to Baltimore, Md.

WATER TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Hukens Iron & Steel Co

Total Heating Surface of Boilers 1240 sq ft Is forced draft fitted no No. and Description of Boilers 1 Scotch Working Pressure 180 Tested by hydraulic pressure to 270 Date of test 4. 4. 18.

Can each boiler be worked separately yes Area of fire grate in each boiler 40.25 sq ft No. and Description of valves to each boiler 2-2 1/2" direct Spung loaded Area of each valve 4.908 sq ft Pressure to which they are adjusted 180 lbs

Are they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no Mean dia. of boilers 11'-0" Length 10'-10"

Material of shell plates Steel Thickness 1" Range of tensile strength 28-32 tons Are the shell plates welded or flanged \_\_\_\_\_

Material of riveting: cir. seams D.R.L. long. seams S.R. butt. Diameter of rivet holes in long. seams 1 3/16" Pitch of rivets 6 7/8-3 7/8"

Per centages of strength of longitudinal joint \_\_\_\_\_ Working pressure of shell by rules \_\_\_\_\_

Size of manhole in shell 22x18" Size of compensating ring 33 3/4 x 29 1/4" No. and Description of Furnaces in each boiler 2 Morrison Material Steel Outside diameter 46 1/8" Length of plain part \_\_\_\_\_ Thickness of plates 9/16"

Description of longitudinal joint welded. No. of strengthening rings \_\_\_\_\_ Working pressure of furnace by the rules 191 Combustion chamber \_\_\_\_\_

Material Steel Thickness: Sides 3/32" Back 3/32" Top 3/32" Bottom 3/32" Pitch of stays to ditto: Sides 7 1/4 x 7 1/2" Back 7 1/2 x 7 1/2"

Working pressure by rules 223 Material of stays Steel Area at smallest part \_\_\_\_\_

Material of Front plates at bottom Steel Thickness 3/4" Material of back plate Steel Thickness 3/32" Greatest pitch of stays 7 1/2" Working pressure of plate by rules 223 Diameter of tubes 3 3/4"

Material of tube plates Steel Thickness: Front 3/16" Back 3/16" Mean pitch of stays 9 1/4" Pitch across wide spaces 13" Working pressures by rules 239 Girders to Chamber tops: Material Steel Depth and thickness of \_\_\_\_\_

Length as per rule 30" Distance apart 7 1/2" Number and pitch of Stays in each 3-7"

Working pressure by rules 220. Steam dome: description of joint to shell \_\_\_\_\_ % of strength of joint \_\_\_\_\_

Thickness of shell plates \_\_\_\_\_ Material \_\_\_\_\_ Description of longitudinal joint \_\_\_\_\_ Diam. of rivet holes \_\_\_\_\_

Working pressure of shell by rules \_\_\_\_\_ Crown plates \_\_\_\_\_ Thickness \_\_\_\_\_ How stayed \_\_\_\_\_

Superheater. Type \_\_\_\_\_ Date of Approval of Plan \_\_\_\_\_ Tested by Hydraulic Pressure to \_\_\_\_\_

Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler \_\_\_\_\_

Pressure to which each is adjusted \_\_\_\_\_ Is Easing Gear fitted \_\_\_\_\_

VERTICAL DONKEY BOILER— No. \_\_\_\_\_ Description \_\_\_\_\_ Manufacturers of steel \_\_\_\_\_

By whom made \_\_\_\_\_ When made \_\_\_\_\_ Where fixed \_\_\_\_\_ Working pressure \_\_\_\_\_

by hydraulic pressure to \_\_\_\_\_ Date of test \_\_\_\_\_ No. of Certificate \_\_\_\_\_ Fire grate area \_\_\_\_\_ 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 \_\_\_\_\_

the donkey boiler \_\_\_\_\_ Dia. of donkey boiler \_\_\_\_\_ Length \_\_\_\_\_ Material of shell plates \_\_\_\_\_ Thickness \_\_\_\_\_ Range of tensile \_\_\_\_\_

th \_\_\_\_\_ Descrip. of riveting long. seams \_\_\_\_\_ Dia. of rivet holes \_\_\_\_\_ Whether punched or drilled \_\_\_\_\_ Pitch of rivets \_\_\_\_\_

of plating \_\_\_\_\_ Per centage of strength of joint \_\_\_\_\_ Rivets \_\_\_\_\_ Working pressure of shell by rules \_\_\_\_\_ Thickness of shell crown plates \_\_\_\_\_

s of do. \_\_\_\_\_ No. of Stays to do. \_\_\_\_\_ Dia. of stays \_\_\_\_\_ Diameter of furnace Top \_\_\_\_\_ Bottom \_\_\_\_\_ Length of furnace \_\_\_\_\_

ness of furnace plates \_\_\_\_\_ Description of joint \_\_\_\_\_ Working pressure of furnace by rules \_\_\_\_\_ Thickness of furnace crown \_\_\_\_\_

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

ness of water tubes \_\_\_\_\_

The foregoing is a correct description,  
BETHLEHEM SHIPBUILDING CORP., LTD. Manufacturer.  
SPARROWS POINT PLANT

ASS'T GENERAL MANAGER

Included in machinery report

Is the approved plan of main boiler forwarded herewith \_\_\_\_\_

\_\_\_\_\_ donkey \_\_\_\_\_

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

Boiler installed on board vessel in an efficient manner. Safety valve adjusted under steam pressure.

Certificate (if required) to be sent to  
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee .. £	:	:	When applied for,
Special .. .. . £	:	:	.....19.....
Donkey Boiler Fee .. .. £	:	:	When received,
Travelling Expenses (if any) £	:	:	.....19.....

Committee's Minute      New York JUN 4 1918

Assigned

*See other report*

*John M. Sheuff*  
 Engineer Surveyor to Lloyd's Register of Shipping



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 Foundation