

## REPORT ON BOILERS.

No. 2353

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Writing Report May 17 1918  
Survey held at Baltimore Md.  
Book. S. S. Ampetco  
on the P. H. Reeves  
Built at Sparrows Point Md By whom built Bethlehem Shipbuilding Co  
When built 11. 18.  
Plates made at Sparrows Point Md By whom made Bethlehem Shipbuilding Co  
When made 11. 18.  
Tubes made at Sparrows Point Md 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 Lukens Iron & Steel Co

For record (S) Total Heating Surface of Boilers 1240 sq ft Is forced draft fitted no No. and Description of Boilers 1 Scotch ISB Working Pressure 180 Tested by hydraulic pressure to 270 Date of test 4. 4. 18.  
Certificate 126 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 Spring loaded Area of each valve 4.908 sq ft Pressure to which they are adjusted 180 lbs.  
If fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no  
Least distance between boilers or uptakes and bunkers or woodwork 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  
Pitch of riveting: cir. seams D.R.L. long. seams I.R. butt Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 6 7/8"-3 7/8"  
Thickness of plates or width of butt straps 16 1/2" Per centages of strength of longitudinal joint rivets 86.02 Working pressure of shell by plate 82.7  
Size of manhole in shell 22x18" Size of compensating ring 33 3/4 x 29 1/4" No. and Description of Furnaces in each  
2 Morrison Material Steel Outside diameter 46 1/8" Length of plain part top bottom Thickness of plates crown 9/16" bottom 1/16"  
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"  
If stays are fitted with nuts or riveted heads Nuts & Washers Working pressure by rules 223 Material of stays Steel Area at  
Support part 1.52 sq ft Area supported by each stay 5.4 sq ft Working pressure by rules 205 End plates in steam space: Material Steel Thickness 3/32"  
of stays 15 x 15 How are stays secured Nuts & Washers Working pressure by rules 186.8 Material of stays Steel Area at smallest part 4.6 sq ft  
supported by each stay 2.26 sq ft Working pressure by rules 213.5 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"  
of tubes 3 3/4 x 4 Material of tube plates Steel Thickness: Front 3/16" Back 3/4" Mean pitch of stays 9 3/4" Pitch across wide  
spaces 13" Working pressures by rules 239 Girders to Chamber tops: Material Steel Depth and thickness of  
at centre 8 x 1 3/4" 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  
of rivets Working pressure of shell by rules Crown plates Thickness How stayed  
SUPERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to  
of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler  
of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

VERTICAL DONKEY BOILER— No. Description Manufacturers of steel  
at 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

A.S.S.'S GENERAL MANAGER

Included in machinery report  
During progress of work in shops - - -  
During erection on board vessel - - -  
Total No. of visits

Is the approved plan of main boiler forwarded herewith

donkey

W164-0169

Lloyds Register  
Foundation



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

Boiler installed on board vessel in a 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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