

REC'D NEW YORK *Mar. 1919*  
 Date of writing Report # *2<sup>nd</sup> March 1919* When handed in at Local Office *6<sup>th</sup> March 1919* Port of *New York & Philadelphia*  
 No. in Survey held at *Bayonne N.J. Philadelphia Pa* Date, First Survey *2<sup>nd</sup> July 1918* Last Survey *1919*  
 Reg. Book. *on the STEEL SCREW STEAMER "SAPINERO"* (Number of Visits *60*) 

Tons	Gross	<i>5780</i>
	Net	<i>3513</i>

  
 Master *A. A. Thompson* Built at *Philadelphia Pa.* By whom built *American International Corp* When built *1919*  
 Engines made at *Schenectady N.Y.* By whom made *General Electric Co.* When made *1919*  
 Boilers made at *Bayonne N.J.* By whom made *Babcock & Wilcox Co* When made *1918*  
*Original* Horse Power *600* Owners *United States Shipping Board* Port belonging to *Philadelphia Pa*  
~~Registered~~

**MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.**—Manufacturers of Steel *Lukin's Steel Co*

Letter for record *S* Total Heating Surface of Boilers *8706* <sup>*induced*</sup> Is ~~faced~~ draft fitted *yes* No. and Description of Boilers *Three Water Tube* Working Pressure *200 lb* Tested by hydraulic pressure to *400 lb* Date of test *4/14/18*

No. of Certificate *254* Can each boiler be worked separately *yes* Area of fire grate in each boiler *✓* No. and Description of Safety valves to each boiler *Two Direct Spring* Area of each valve *4.16* <sup>*in*</sup> Pressure to which they are adjusted *200 lb* Are they fitted with easing gear *yes* In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler *✓*

Smallest distance between boilers or uptakes and bunkers or woodwork *✓* Mean dia. of <sup>*DRUMS*</sup> boilers *42"* Length *14' 7 3/8"*

Material of shell plates *Steel* Thickness *1/2"* Range of tensile strength *60,000* Are the shell plates welded or flanged *no*

Description of riveting: cir. seams *S R Lap* long. seams *D. R. D. B. S.* Diameter of rivet holes in long. seams *29"* Pitch of rivets *2 3/4" 4 9/16"*

Gap of plates or width of batt straps *9 3/4" 15"* Per centages of strength of longitudinal joint rivets *108* Working pressure of shell by rules *80.1*

Size of manhole in shell *15" x 11"* Size of compensating ring *Flanged 7/16"* <sup>*plate*</sup>

**No. and Description of Furnaces in each boiler**

Material *✓* Outside diameter *✓* Length of plain part <sup>*top*</sup> *✓* Thickness of plates <sup>*crown*</sup> *✓* Description of longitudinal joint *✓* No. of strengthening rings *✓* Working pressure of furnace by the rules *✓* Combustion chamber *✓*

Material *✓* Thickness: Sides *✓* Back *✓* Top *✓* Bottom *✓* Pitch of stays to ditto: Sides *✓* Back *✓*

If stays are fitted with nuts or riveted heads *✓* Working pressure by rules *✓* Material of stays *✓* Diameter at smallest part *19"*

Area supported by each stay *✓* Working pressure by rules *✓* End plates in steam space: Material *Steel* Thickness *3/32"*

How are stays secured *Dished Ends 42" Rad* Working pressure by rules *200 lb* Material of stays *✓* Diameter at smallest part *✓*

Area supported by each stay *✓* Working pressure by rules *✓* Material of Front plates at bottom *✓* Thickness *✓* Material of *✓*

Lower back plate *✓* Thickness *✓* Greatest pitch of stays *✓* Working pressure of plate by rules *✓* Diameter of tubes *✓*

Pitch of tubes *✓* Material of tube plates *✓* Thickness: Front *✓* Back *✓* Mean pitch of stays *✓* Pitch across wide *✓*

Inter spaces *✓* Working pressures by rules *✓* Girders to Chamber tops: Material *✓* Depth and thickness of *✓*

Center at centre *✓* Length as per rule *✓* Distance apart *✓* Number and pitch of Stays in each *✓*

Working pressure by rules *✓* Superheater or Steam chest: how connected to boiler *✓* Can the superheater be shut off and the boiler worked *✓*

Separately *yes* Diameter *✓* Length *✓* Thickness of shell plates *✓* Material *✓* Description of longitudinal joint *✓* Diam. of rivet *✓*

Pitch of rivets *✓* Working pressure of shell by rules *✓* Diameter of flue *✓* Material of flue plates *✓* Thickness *✓*

Stiffened with rings *✓* Distance between rings *✓* Working pressure by rules *✓* End plates: Thickness *✓* How stayed *✓*

Working pressure of end plates *✓* <sup>*DIA*</sup> Area of safety valves to superheater *1"* Are they fitted with easing gear *yes*

VERTICAL DONKEY BOILER—		No.	Description	Manufacturers of steel		
made at	By whom made		When made	Where fixed	Working pressure	
acted by hydraulic pressure to	Date of test	No. of Certificate	Fire grate area	Description of safety valves		
of safety valves	Area of each	Pressure to which they are adjusted	If fitted with easing gear	If steam from main boilers can		
er the donkey boiler	Dia. of donkey boiler	Length	Material of shell plates	Thickness	Range of tensile	
ngth	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. Plates	Working pressure of shell by rules	Thickness of shell crown plates		
us of do.	No. of Stays to do.	Dia. of stays	Diameter of furnace Top	Bottom	Length of furnace	
ickness of furnace plates	Description of joint	Working pressure of furnace by rules	Thickness of furnace crown			
es	Radius of do.	Stayed by	Diameter of uptake	Thickness of uptake plates		
ickness of water tubes	The foregoing is a correct description.					

Thickness of water tubes

The foregoing is a correct description of the Babcock & Wilcox Co. per J. Stenger, Marine Dept. Manufacturer.

During progress of work in shops - - 1918: Mar 6, 14, 15, 18, 19, 21, 22, 25, 27, 28, 29, 30. Apr. 1, 2, 4, 5 \* daily until 18 June.

During erection on board vessel - - - See Reports. 4, 9.

Total No. of visits

Is the approved plan of main boiler forwarded herewith 7/10

Is the approved plan of main boiler forwarded herewith

“ “ “ donkey “ “

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" 7/10  
7/10

✓ 132-0249



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

These Boilers have been constructed under Special Survey and in accordance with plans approved July 18-1917. The workmanship and material are both of good quality. The steam-drums and sections have been tested by hydraulic pressure to 400 lb per sq inch, and found tight & sound. They have now been dispatched for fitting aboard. To complete the survey the boilers to be re-erected on board and tested by hydraulic pressure, all mountings to be examined and fitted. Safety-valves to be adjusted under steam.

Philadelphia

Boilers now erected on board. Mountings examined and fitted. Hydraulic test of 400 lb<sup>2</sup> applied and Safety Valves adjusted under steam to 200 lb<sup>2</sup>.

Port of

No. in  
Reg. Book

Owners

Yard No.

## DESCRIPTION

2-15 K. W.

engines &amp;

Capacity of Dy

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Position of Ma

Positions of a

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6 circuit

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circuits

If vessel is win

Are the fuses

Are all fuses

are perma

Are all switche

Total number

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B

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D

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12

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## DESCRIPTION

Main cable carry

Branch cables c

Branch cables c

Leads to lamps c

Cargo light cables

## DESCRIPTION

All light

#00, #2, #

#10, #12,

Joints in cables,

Are all the joints

positions, n

Are there any jo

How are the cabl

The amount of Entry Fee .. £  
Special .. .. £  
Donkey Boiler Fee .. .. £  
Travelling Expenses (if any) £

When applied for,

When received,

Committee's Minute

New York MAR 11 1919

Assigned

See Phil. Rpt 3134

Alexander Macquart J. M.  
Engineer Surveyor to Lloyd's Register of Shipping.

TUE JUN 24 1919



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Lloyd's Register  
Foundation