

REC'D NEW YORK *April 1919*  
 Date of writing Report *191* When handed in at Local Office *19<sup>th</sup> April 1919* Port of *New York and Philadelphia*  
 No. in Survey held at *Bayonne N.J.* Date, First Survey *17<sup>th</sup> April 1919*  
 Reg. Book. *"SALUDA"* Last Survey *17<sup>th</sup> April 1919*  
 on the STEEL SCREW STEAMER *"SALUDA"* (Number of Visits *1*) Gross *5784*  
 Tons *3500*

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

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel *Lukens Steel Co*  
 Letter for record *S.* Total Heating Surface of Boilers *8706 sq ft* Is ~~forced~~<sup>induced</sup> 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 *9/10/11*

No. of Certificate 212 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 7.06" Pressure to which they are adjusted 200 lbs  
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 boilers ~~2~~ 2" Length 14' 7 3/8"

Material of shell plates Steel Thickness  $\frac{1}{2}$ " Range of tensile strength 60,000 Are the shell plates welded or flanged No

Descrip. of riveting: cir. seams S. R. Lap long. seams D. R. D. B. S. Diameter of rivet holes in long. seams  $\frac{29}{32}$ " Pitch of rivets  $2\frac{3}{4}$ "

up of plates or width of butt straps  $9\frac{3}{4}"$   $15"$  Per centages of strength of longitudinal joint  $108\%$  Working pressure of shell by  
 plates  $243\frac{1}{2}$  Size of manhole in shell  $15" \times 11"$  *Flanged* Size of compensating ring  $\frac{7}{16}"$   $80.1$  No. and Description of Furnaces in each

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 ☒  
 Area supported by each stay ☒ Working pressure by rules ☒ End plates in steam space: Material *Steel* Thickness  $\frac{19}{32}$   
 Dish and ends ☒ How are stays secured *42" R.* Working pressure by rules *200 lb.* Material of stays ☒ Diameter at smallest part ☒

ea supported by each stay ✓ Working pressure by rules ✓ Material of Front plates at bottom ✓ Thickness ✓ Material of  
 rear back plate ✓ Thickness ✓ Greatest pitch of stays ✓ Working pressure of plate by rules ✓ Diameter of tubes ✓  
 H. ✓ Pitch of tubes ✓ Material of tube plates ✓ Thickness: Front ✓ Back ✓ Mean pitch of stays ✓ Pitch across wide

Working pressures by rules ✓      Girders to Chamber tops: Material ✓      Depth and thickness of ✓  
 Distance apart ✓      Number and pitch of Stays in each ✓  
 Superheater or Steam chest: how connected to boiler      Can the superheater be shut off and the boiler worked

Materially <i>yes</i>	Diameter	Length	Thickness of shell plates	Material	Description of longitudinal joint	Diam. of rivet
<i>s</i>	Pitch of rivets	Working pressure of shell by rules	Diameter of flue	Material of flue plates	Thickness	
<i>2</i>	Reinforced with rings	Distance between rings	Working pressure by rules	End plates	Thickness	How stayed

Working pressure of end plates  $\frac{1}{2}$  Area of safety valves to superheater  $1 \frac{1}{2}$  Are they fitted with easing gear *yes*

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**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
Descrip. of riveting long. seams	Dia. of rivet holes	Whether punched or drilled	Pitch of rivets		
Per centage of strength of joint	Working pressure of shell by rules	Thickness of shell crown plates			

No. of Stays to do.	Dia. of stays	Diameter of furnace Top	Bottom	Length of furnace
Thickness 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

Pressure of water tubes

The foregoing is a correct description  
of the Saverly & Wilson Co.  
per J. Steiner, Marine Dept. Manufacturer.

<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); margin-right: 5px;">             29 29           </div> <div style="border-left: 1px solid black; padding-left: 5px;">             During progress of work in shops - - -           </div> </div>	1918 Jan 30 Feb 6 Mar 6 14 15 18 19 21 22 25 27 28 29 30 Apr 1 2 4 5 6 8 + Only until 29	
	<div style="display: flex; align-items: center;"> <div style="border-left: 1px solid black; padding-left: 5px;">             During erection on board vessel - - -           </div> </div>	See report Ua.
	<div style="display: flex; align-items: center;"> <div style="border-left: 1px solid black; padding-left: 5px;">             Total No. of visits           </div> </div>	Is the approved plan of main boiler forwarded herewith

" " " donkey " "

W 1575-0041



**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &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 and sound. They have now been despatched for fitting aboard. To complete the survey the boilers to be reerected on board and tested by hydraulic pressure, all mountings to be examined and fitted. Safety valves to be adjusted under steam.

Phala delphia

Boilers erected aboard, mountings examined and fitted, hydraulic test of 200 lbs applied and safety valves adjusted under steam to 200 lbs.

Certificate (if required) to be sent to

The amount of Entry Fee .. £	:	:	When applied for,
Special .. .. £	:	:	.....19.....
Donkey Boiler Fee .. .. £	:	:	When received,
Travelling Expenses (if any) £	:	:	5-5-19

Committee's Minute

Assigned

New York APR 29 1919

See Phil. Rpt. No. 3195.

Alexander Macdunn  
Engineer Surveyor to Lloyd's Register of Shipping.



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Foundation