

RECEIVED NEW YORK (Jan. 6, 1919.)
 Date of writing Report To Dec 1918 When handed in at Local Office 31st Dec 1918 Port of New York and Philadelphia
 No. in Survey held at Bayonne N.J. Date, First Survey Last Survey Aug 30th 1918
 Reg. Book. and Philadelphia Pa.
 on the STEEL SCREW STEAMER. "SACCARAPPA" (Number of Visits)
 Tons { Gross 5735.06
 Net 3445.
 Master R. N. L. Allen Built at Philadelphia By whom built American International Corp^y When built 1918
 Engines made at Schenectady N.Y. By whom made General Electric Co. When made 1918
 Boilers made at Bayonne N.J. By whom made Babcock & Wilcox Co. M.B. 561 When made 1918
 NOMINAL Registered Horse Power 600. Owners United States Shipping Board. Port belonging to Philadelphia
 Emergency Fleet Corporation.

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—*Manufacturers of Steel Lukens Steel Co*

Letter for record *S* Total Heating Surface of Boilers *8906 sq ft* Is ^{induced} ~~forced~~ 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 *9-10-18*

No. of Certificate	Can each boiler be worked separately	Area of fire grate in each boiler	No. and Description of
253.	yes.		

safety valves to each boiler *Two direct spring* Area of each valve *7.06* ^{sq} Pressure to which they are adjusted *200*

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 ^{Drums}boilers 42" Length 14' 7 3/8"

Material of shell plates *Steel* Thickness $\frac{1}{2}$ " Range of tensile strength *60000* Are the shell plates welded or flanged *No*

7) Descrip. of riveting: cir. seams S. R. long. seams D. R. D. B. S. Diameter of rivet holes in long. seams $\frac{29}{32}$ Pitch of rivets $2\frac{9}{32}$ $4\frac{9}{16}$

up of plates or width of butt straps $9\frac{3}{4} \times 15$ Per centages of strength of longitudinal joint rivets 108. Working pressure of shell by

des 243 lb Size of manhole in shell 15" x 11" Size of compensating ring flanged 7/16" ^{plate}

Miller ✓ Material ✓ Outside diameter ✓ Length of plain part ^{top} ✓ Thickness of plates ^{crown} ✓

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

ates: Material Thickness: Sides ☒ Back ☒ Top ☒ Bottom ☒ Pitch of stays to ditto: Sides ☒ Back ☒

sp ✓ 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 $\frac{19}{32}$

End of stays	✓	Dished ends	How are stays secured	42" R	Approved	Working pressure by rules	200 lb	Material of stays	✓	Diameter at smallest part	✓
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ea supported by each stay ✓ Working pressure by rules ✓ Material of Front plates at bottom ✓ Thickness ✓ Material of

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

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

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

der 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

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

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

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

Working pressure of end plates ✓ ⁵⁰ Area of safety valves to superheater 1" Are they fitted with easing gear 1/40

VERTICAL DONKEY BOILER— No. _____ Description _____ Manufacturers of steel _____

e at By whom made When made Where fixed Working pressure

<i>Cyl by hydraulic pressure to</i>	<i>Date of test</i>	<i>No. of Certificate</i>	<i>Fire grate area</i>	<i>Description of safety valves</i>

<i>each safety valves</i>	<i>Area of each</i>	<i>Pressure to which they are adjusted</i>	<i>If fitted with easing gear</i>	<i>If steam from main boilers can</i>
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the donkey boiler	Dia. of donkey boiler	Length	Material of shell plates	Thickness	Range of tensile
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<i>qth</i>	<i>Descrip. of riveting long. seams</i>	<i>Dist. of rivet holes</i>	<i>Whether punched or drilled</i>	<i>Pitch of rivets</i>
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F.D. of plating Per centage of strength of joint ^{Rivets}/_{Plates} Working pressure of shell by rules Thickness of shell crown plates

156 is of do. 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
1.0	1.0	1.0	1.0
1.5	1.5	1.5	1.5
2.0	2.0	2.0	2.0
2.5	2.5	2.5	2.5
3.0	3.0	3.0	3.0
3.5	3.5	3.5	3.5
4.0	4.0	4.0	4.0
4.5	4.5	4.5	4.5
5.0	5.0	5.0	5.0
5.5	5.5	5.5	5.5
6.0	6.0	6.0	6.0
6.5	6.5	6.5	6.5
7.0	7.0	7.0	7.0
7.5	7.5	7.5	7.5
8.0	8.0	8.0	8.0
8.5	8.5	8.5	8.5
9.0	9.0	9.0	9.0
9.5	9.5	9.5	9.5
10.0	10.0	10.0	10.0

ness of water tubes The foregoing is a correct description.

7195 Lawrence St. Chicago, Ill. Manufacturer.

2/11/1911

1918 Mar. 6, 14, 15, 18, 19, 21, 22, 25, 27, 28, 29, 30 Apr. 1, 2, 4, 5 & daily until 23 Aug. 1918

e } During erection on
ng } board vessel - - -

Total No. of visits _____ Is the approved plan of main boiler forwarded herewith no

" " donkey "

W1574-0144



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 lbs per sq inch, and found tight and sound. They have now been despatched 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

Now Done: Boilers erected aboard, mountings examined & fitted, hydraulic test of 400 lbs per sq. ins. applied, and safety valves adjusted under steam to 200 lbs.

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 .. £	See Report	When applied for,
Special £	4-a	19
Donkey Boiler Fee £	:	When received,
Travelling Expenses (if any) £	:	23/4/19

Committee's Minute

Assigned

NEW YORK JAN 7 1919
See Phil Rpt 3069

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



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Lloyd's Register
Foundation

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