

REPORT ON BOILERS.

No. 15665
3320

Received at London Office

Writing Report *RECEIVED NEW YORK July 2, 1919* When handed in at Local Office *7th July 1919* Port of *New York & Philadelphia*
in Survey held at *Bayonne N.J.* Date, First Survey *Oct 9* 1918
Book. *"SALVATION LASS"* (Number of Visits) Gross *5753*
Tons Net *3562*

on the STEEL SCREW STEAMER *"SALVATION LASS"*
Built at *Philadelphia* By whom built *American International Corp.* When built *1919*
Boilers 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.* When made *1918*
Union States Shipping Board.
Horse Power *600* Owners *Emergency Fleet Corporation* Port belonging to *Philadelphia*

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

ter for record *S.* Total Heating Surface of Boilers *8700^{sq} ft* Is forced draft fitted *yes* No. and Description of
Boilers *Three Water Tube* Working Pressure *200 lbs* Tested by hydraulic pressure to *400 lbs* Date of test *4/4/19*

of Certificate *313* Can each boiler be worked separately *yes* Area of fire grate in each boiler *✓* No. and Description of
valves to each boiler *Two direct spring* Area of each valve *7.06^{sq} ft* Pressure to which they are adjusted *300 lbs*
they fitted with easing gear *yes* In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler *✓*
allest distance between boilers or uptakes and bunkers or woodwork *✓* Mean dia. of boilers *42ⁱⁿ* Length *14' 7 3/8ⁱⁿ*

Material of shell plates *Steel* Thickness *1/2ⁱⁿ* Range of tensile strength *60,000* Are the shell plates welded or flanged *ho*
scrip. of riveting: cir. seams *S R Lap* long. seams *D.R.D.B.S.* Diameter of rivet holes in long. seams *3/32ⁱⁿ* Pitch of rivets *2 3/4ⁱⁿ*
of plates or width of butt straps *9 3/4ⁱⁿ* Per centages of strength of longitudinal joint *108* Working pressure of shell by
plates *243 lbs* Size of manhole in shell *15ⁱⁿ x 11ⁱⁿ* Size of compensating ring *16ⁱⁿ* *Flanged* *7ⁱⁿ* *80-1*

No. and Description of Furnaces in each
Boiler *✓* Material *✓* Outside diameter *✓* Length of plain part *top* Thickness of plates *bottom*
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 *✓*

op *✓* If stays are fitted with nuts or riveted heads *✓* Working pressure by rules *✓* Material of stays *✓* Diameter at
allest part *✓* Area supported by each stay *✓* Working pressure by rules *✓* End plates in steam space: Material *Steel* Thickness *19ⁱⁿ*
tch of stays *✓* How are stays secured *42ⁱⁿ R* Working pressure by rules *200 lbs* 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
wer back plate *✓* Thickness *✓* Greatest pitch of stays *✓* Working pressure of plate by rules *✓* Diameter of tubes *✓*
ch of tubes *✓* Material of tube plates *✓* Thickness: Front *✓* Back *✓* Mean pitch of stays *✓* Pitch across wide
er spaces *✓* Working pressures by rules *✓* Girders to Chamber tops: Material *✓* Depth and thickness of

ler at centre *✓* Length as per rule *✓* Distance apart *✓* Number and pitch of Stays in each
rking pressure by rules *✓* Superheater or Steam chest: how connected to boiler *✓* Can the superheater be shut off and the boiler worked
rately *yes* Diameter *✓* Length *✓* Thickness of shell plates *✓* Material *✓* Description of longitudinal joint *✓* Diam. of rivet

s *✓* Pitch of rivets *✓* Working pressure of shell by rules *✓* Diameter of flue *✓* Material of flue plates *✓* Thickness *✓*
tiffened with rings *✓* Distance between rings *✓* Working pressure by rules *✓* End plates: Thickness *✓* How stayed *✓*
rking pressure of end plates *✓* Area of safety valves to superheater *1ⁱⁿ* Are they fitted with easing gear *yes*

RTICAL DONKEY BOILER— No. Description Manufacturers of steel

e at By whom made When made Where fixed Working pressure

l 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

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

strength Descrip. of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets

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

Radius 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

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

Thickness of water tubes

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

Dates of Survey *1918. Mar 6. 14. 15. 18. 19. 21. 22. 25 & daily until 9 Oct/18*
while building *See Report 49.*
Total No. of visits

Is the approved plan of main boiler forwarded herewith
" " " donkey " "

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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 18-1919. 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 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 erected aboard, mountings examined & fitted, hydraulic test of 400 lbs 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 .. £	:	:	When applied for,
Special £	:	:19.....
Donkey Boiler Fee £	:	:	When received,
Travelling Expenses (if any) £	:	:19.....

Committee's Minute

Assigned

See Phil No 3320

New York JUL 15 1919

Alexander Macnair and
Engineer Surveyors to Lloyd's Register of Shipping,
Blacklock



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