

RECEIVED NEW YORK *Sept. 23. 1919*
 Received at London Office
 Date of writing Report *191* When handed in at Local Office *20th Sept 1919* Port of *New York and Philadelphia*
 No. in Survey held at *Bayonne N.J.* Date, First Survey Last Survey *2nd Dec 1918*
 Reg. Book. " *LABETTE* " (Number of Visits) } Gross *5562*
 on the STEEL SCREW STEAMER. Tons } Net *3434*
 Master *J. McCloud*. Built at *Philadelphia* 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 *Cabot & Wilson Co* *MB608* 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 *Lakers Steel Co*

(Letter for record *S.*) Total Heating Surface of Boilers *8716.9' 8700* induced Is forced draft fitted *yes* No. and Description of Boilers *Three Water Tube* Working Pressure *200 lbs* Tested by hydraulic pressure to *200 lbs* Date of test *28-7-19*

No. of Certificate *359* 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 *42"* Length *14' 7 3/8"*

Material of shell plates *Steel* Thickness *5"* Range of tensile strength *60,000* Are the shell plates welded or flanged *no*

Descrip. of riveting: cir. seams *S.P. 108* long. seams *D.S. 85* Diameter of rivet holes in long. seams *3/32"* Pitch of rivets *2 3/4"*

Gap of plates or width of butt straps *1/2"* Per centages of strength of longitudinal joint *108* Working pressure of shell by rules *243 lbs* Size of manhole in shell *15" x 11"* Size of compensating ring *2"*

No. and Description of Furnaces in each boiler *✓* 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 plates: Material *✓* Thickness: Sides *✓* Back *✓* Top *✓* Bottom *✓* Pitch of stays to ditto: Sides *✓* Back *✓*

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

Area supported by each stay *✓* Working pressure by rules *✓* End plates in steam space: Material *Steel* Thickness *1/2"*

Pitch of stays *✓* How are stays secured *✓* Working pressure by rules *✓* Material of stays *✓* Area 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 water spaces *✓* Working pressures by rules *✓* Girders to Chamber tops: Material *✓* Depth and thickness of girder at centre *✓* Length as per rule *✓* Distance apart *✓* Number and pitch of Stays in each *✓*

Working pressure by rules *✓* Steam dome: description of joint to shell *✓* % of strength of joint *✓*

Diameter *✓* Thickness of shell plates *✓* Material *✓* Description of longitudinal joint *✓* Diam. of rivet holes *✓*

Pitch of rivets *✓* Working pressure of shell by rules *✓* Crown plates *✓* Thickness *✓* How stayed *✓*

SUPERHEATER. Type *Foster*. Date of Approval of Plan *In New York office* Tested by Hydraulic Pressure to *400 lbs*.
Date of Test *28-7-19* Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler *yes*.
Diameter of Safety Valve *1"* Pressure to which each is adjusted *300* Is Easing Gear fitted *yes*.

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

Made at _____ By whom made _____ When made _____ Where fixed _____ Working pressure _____

tested by hydraulic pressure to _____ Date of test _____ No. of Certificate _____ Fire grate area _____ Description of safety valves _____

No. 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 _____
_{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 foregoing is a correct description,
of the Babcock & Wilcox Co.
Manufactured

Dates of Survey while building	During progress of work in shops - -	
	During erection on board vessel - -	
	Total No. of visits	
1871	1	1
1872	1	1
1873	1	1
1874	1	1
1875	1	1
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1998	1	1
1999	1	

Is the approved plan of main boiler forwarded herewith

“ “ “ donkey “ “

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:-

Boilers erected on board, mountings examined and 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 .. £	1/2 July	When applied for,
Special £	1/2 July19....
Donkey Boiler Fee £	1/2 July	When received,
Travelling Expenses (if any) £	1/2 July19....

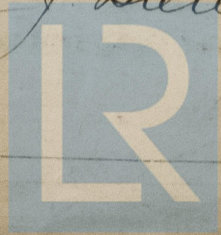
Committee's Minute

Assigned

See Phil Rpt 3428

Alexander Macnair
Engineer Surveyors to Lloyd's Register of Shipping.

J. Blellock



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Foundation