

REPORT ON BOILERS.

RECEIVED NEW YORK Jan 6 1919

Received at London Office

Date of writing Report: 30 Dec 1918 When handed in at Local Office: 31 Dec 1918 Port of New York and Philadelphia

No. in Survey held at Bayonne N.J. and Philadelphia Pa. Date, First Survey Aug 30 1918 Last Survey Aug 30 1918

Reg. Book. on the STEEL SCREW STEAMER "SACCARAPPA" (Number of Visits) Gross 5735.06 Tons Net 3425

Master R. N. L. Allen Built at Philadelphia By whom built American International Corp. 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. When made 1918

Registered Horse Power 600 Owners Emergency Fleet Corporation 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 Is 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 253 Can each boiler be worked separately yes Area of fire grate in each boiler 7.06 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

Are they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler yes

Smallest distance between boilers or uptakes and bunkers or woodwork yes Mean dia. of boilers 42" Length 14' 7 3/8"

Material of shell plates Steel Thickness 5/8" Range of tensile strength 60000 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 29/32 Pitch of rivets 2 9/32" 4 9/16"

Gap of plates or width of butt straps 9 3/4" 15" Per centages of strength of longitudinal joint rivets 108 Working pressure of shell by rules 243 lb Size of manhole in shell 15" x 11" Size of compensating ring 7/16" No. and Description of Furnaces in each boiler

Material yes Outside diameter yes Length of plain part top Thickness of plates crown Description of longitudinal joint yes No. of strengthening rings yes Working pressure of furnace by the rules yes Combustion chamber

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

Top yes If stays are fitted with nuts or riveted heads yes Working pressure by rules yes Material of stays yes Diameter at smallest part yes

Area supported by each stay yes Working pressure by rules yes End plates in steam space: Material Steel Thickness 19/32"

How are stays secured 42" R. Approved Working pressure by rules 200 lb Material of stays yes Diameter at smallest part yes

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

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

Material of tube plates yes Thickness: Front yes Back yes Mean pitch of stays yes Pitch across wide

Working pressures by rules yes Girders to Chamber tops: Material yes Depth and thickness of

Length as per rule yes Distance apart yes Number and pitch of Stays in each yes

Superheater or Steam chest: how connected to boiler yes Can the superheater be shut off and the boiler worked

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

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

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

Working pressure of end plates yes Area of safety valves to superheater 1" Are they fitted with easing gear yes

VERTICAL DONKEY BOILER— No. Description Manufacturers of steel

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

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 Rivets Plates 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

Thickness of water tubes

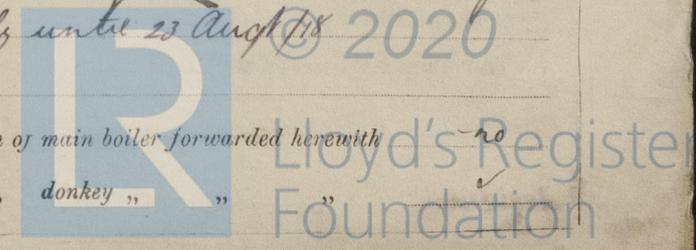
During progress of work in shops -- 1918 Mar 6, 14, 15, 18, 19, 21, 22, 25, 27, 28, 29, 30 Apr 1, 2, 4, 5 & daily until 23 Aug 1918

During erection on board vessel -- See Report 4.9.

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

" " " donkey " "

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



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

New Bone: 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-a19.....
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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