

REPORT ON BOILERS

No. 15750

REC'D NEW YORK Sept. 10 1919

Received at London Office

Writing Report 191 When handed in at Local Office 13⁴⁴ 1919 Port of New York and Philadelphia
 in Survey held at Bayonne N.J. Date, First Survey Oct 30 1918
 Book. on the STEEL SCREW STEAMER "LAFCON"
 (Number of Visits) Gross 5562 Tons Net 434
 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 Babcock & Wilcox Co. When made 1918
 Indicated Horse Power 600 Owners Emergency Fleet Corporation Port belonging to Philadelphia

WATER TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Lukens Steel Co

For record S Total Heating Surface of Boilers 8700² Is forced draft fitted yes No. and Description of
 Three Water Tube Working Pressure 200 Tested by hydraulic pressure to 400 lb Date of test 27-6-19
 of Certificate 350. Can each boiler be worked separately yes Area of fire grate in each boiler No. and Description of
 by valves to each boiler Two direct spring Area of each valve 4.06² Pressure to which they are adjusted 200 lbs
 they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 Closest 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 1/2" Range of tensile strength 60000 Are the shell plates welded or flanged No
 Strip of riveting: cir. seams S R lap long. seams D.R.D.B.S. Diameter of rivet holes in long. seams 29" Pitch of rivets 2 3/32" 4 9/16"
 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
 243 lb Size of manhole in shell 15" x 11" Size of compensating ring 7 1/2" No. and Description of Furnaces in each
 Material Outside diameter Length of plain part Thickness of plates crown bottom
 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
 Closest part Area supported by each stay Working pressure by rules End plates in steam space: Material Steel Thickness 19"
 S of stays How are stays secured 42" R Working pressure by rules 200 lb Material of stays Diameter at smallest part
 Area supported by each stay Working pressure by rules Material of Front plates at bottom Thickness Material of
 per back plate Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes
 of tubes Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide
 spaces Working pressures by rules Girders to Chamber tops: Material Depth and thickness of
 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
 separately yes Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
 Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed
 Working pressure of end plates Area of safety valves to superheater 1" Are they fitted with easing gear 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
 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
 of plating Per centage of strength of joint Rivets Plates Working pressure of shell by rules Thickness of shell crown plates
 Dia. 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.

Thy Babcock & Wilcox Co. Manufacturer.
 per J. Stenger Marine Dept.

Dates 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, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30
 Survey while building During erection on board vessel --
 Total No. of visits See Report 49.

Is the approved plan of main boiler forwarded herewith

" " " donkey " "

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Lloyd's Register
 Found 1484-0065

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 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 .. £	:	:	When applied for,
Special £	:	:	19
Donkey Boiler Fee £	:	:	When received,
Travelling Expenses (if any) £	:	:	19

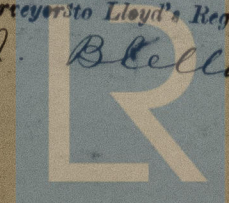
Committee's Minute

Assigned

New York SEP 16 1919
See Phil Rpt 3408.

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

J. B. Kellock



Lloyd's Register
Foundation