

Shall 522

pt. 5.

# REPORT ON BOILERS.

No. 18658  
MON. 2372N. 1510

REC'D NEW YORK June 7, 1919  
When handed in at Local Office 3<sup>rd</sup> June 1919 Port of New York & Philadelphia

Survey held at Bayonne N.J. Date, First Survey Last Survey 20 1918

on the STEEL SCREW STEAMER "SEEKONK" (Number of Visits) Gross 5784 Net 3513

Built at Philadelphia By whom built American International Corp. When built 1919

Engines made at Schenectady N.Y. By whom made General Electric Company 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

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

Number for record 8 Total Heating Surface of Boilers 8700<sup>sq</sup> Is forced draft fitted yes No. and Description of Boilers Three Water Tube Working Pressure 200 lbs. Tested by hydraulic pressure to 400 Date of test 21/2/19

No. of Certificate 295 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<sup>sq</sup> Pressure to which they are adjusted 300 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' 9 3/8"

Material of shell plates Steel Thickness 1/2" Range of tensile strength 60,000 Are the shell plates welded or flanged No

Description 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 1/4" 4 1/16"

No. 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 80

Size of manhole in shell 15" x 11" Size of compensating ring 7/16"

No. and Description of Furnaces in each Boiler

Material	Outside diameter	Length of plain part	Thickness of plates
			top 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 smallest part

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

How are stays secured 42" R Working pressure by rules 200 lbs 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

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

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

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

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

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

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

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

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
	Date of test	No. of Certificate
	Fire grate area	Description of safety valves
	Area of each	Pressure to which they are adjusted
	If fitted with easing gear	If steam from main boilers can
	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	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	

The foregoing is a correct description, per J. Stenop, Babcock & Wilcox Co. Manufacturer.

During progress of work in shops 1918: Mon 6, 14, 15, 18, 19, 21, 22, 25, 27 + days until 30 April/18

During erection on board vessel See Report. 4a.

Total No. of visits

Is the approved plan of main boiler forwarded herewith

" " " donkey " "

7150-8711W



**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

New York JUN 10 1919

Assigned

See Phil Rpt 3272

*Alexander Macgillivray*  
Engineer Surveyor to Lloyd's Register of Shipping.

*J. Blalock*



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Foundation