

TUE. 27. MAY. 1919  
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# REPORT ON BOILERS.

No. 15528  
3229

REC'D NEW YORK May 5 1919  
When handed in at Local Office

Received at London Office

Port of New York  
in Survey held at Bayonne N.J. Date, First Survey Aug 23 1918  
Book. Bayonne N.J. Last Survey Aug 23 1918

on the STEEL SCREW STEAMER "SCHODACK" (Number of Visits) Gross 578.4  
Net 351.3

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

Machinery 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 United States Shippers Board  
Emergency Fleet Corporation Port belonging to Philadelphia

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

Total Heating Surface of Boilers 8700 sq ft 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 30/12/18

of Certificate 266. Can each boiler be worked separately yes Area of fire grate in each boiler 4.06 sq ft No. and Description of Safety valves to each boiler Two direct spring Area of each valve 4.06 sq ft 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 yes

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

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 9/16"

of plates or width of butt straps 9 3/4" x 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" plate 80.1

No. and Description of Furnaces in each Boiler

Material Steel Outside diameter 42" Length of plain part 19" Thickness of plates crown 3/32" bottom 3/32"

Description of longitudinal joint Attached No. of strengthening rings 200 Working pressure of furnace by the rules 200 Combustion chamber

Stays: Material Steel Thickness: Sides 3/16" Back 3/16" Top 3/16" Bottom 3/16" Pitch of stays to ditto: Sides 12" Back 12"

If stays are fitted with nuts or riveted heads yes Working pressure by rules 200 Material of stays Steel Diameter at smallest part 19"

Area supported by each stay Dished ends Working pressure by rules 200 End plates in steam space: Material Steel Thickness 19/32"

Pitch of stays 42" R How are stays secured Attached Working pressure by rules 200 Material of stays Steel Diameter at smallest part 19"

Area supported by each stay Working pressure by rules 200 Material of Front plates at bottom Steel Thickness 3/32" Material of lower back plate Steel Thickness 3/32" Greatest pitch of stays 12" Working pressure of plate by rules 200 Diameter of tubes 19"

Pitch of tubes 12" Material of tube plates Steel Thickness: Front 3/32" Back 3/32" Mean pitch of stays 12" Pitch across wide water spaces 12" Working pressures by rules 200 Girders to Chamber tops: Material Steel Depth and thickness of

under at centre Length as per rule Distance apart 12" Number and pitch of Stays in each 200

Working pressure by rules 200 Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked

separately yes Diameter 19" Length 19" Thickness of shell plates 3/32" Material Steel Description of longitudinal joint Attached Diam. of rivet

holes Pitch of rivets 29/32" Working pressure of shell by rules 200 Diameter of flue 19" Material of flue plates Steel Thickness 3/32"

stiffened with rings Distance between rings 12" Working pressure by rules 200 End plates: Thickness 3/32" How stayed Attached

Working pressure of end plates 200 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         

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         

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

Percentage 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         

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

Thickness of water tubes         

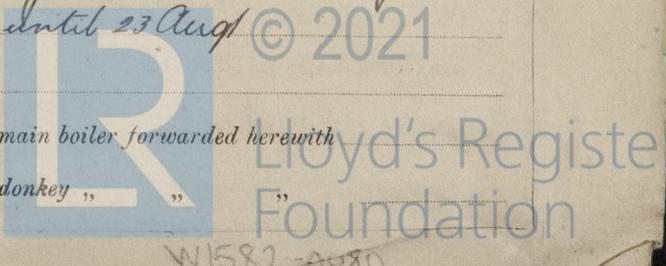
Dates of Survey while building          During progress of work in shops 1918 Mar. 6. 14. 15. 18. 19. 21. 22. 25. 27. 28. 29. 30 April 1. 2. 4. 5 & daily until 23 Aug

During erection on board vessel          Total No. of visits          See Report & a.

Is the approved plan of main boiler forwarded herewith         

" " " donkey " "         

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



W1582-2080

**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 aboard, 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 MAY - 7 1919

See Phil. Rpt No. 3229

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



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Lloyd's Register  
Foundation

SCHOD

Rpt. 13

Port

No. in Reg. Book

Owners

Yard No.

DESCRIP

Gener

60-12

Capacity

Where is

Position

Positions

Bridge

Panel

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If vessel

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Branch ca

Branch ca

Leads to la

Cargo light

DESCRIP

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#10, #1

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Are there a

How are th