

# REPORT ON MACHINERY

No. 13817

REC'D NEW YORK

August 23 1917

Received at London Office

SEP 17 1917

Date of writing Report *April 17* When handed in at Local Office *17* Port of *New York*

Survey held at *Bayonne N.J.* Date, First Survey \_\_\_\_\_ Last Survey *19*

Engines made at *Bayonne* By whom made *Babcock & Wilcox* when made *1917*

Registered Horse Power \_\_\_\_\_ Owners \_\_\_\_\_ Port belonging to \_\_\_\_\_

Is Refrigerating Machinery fitted for cargo purposes \_\_\_\_\_ Is Electric Light fitted \_\_\_\_\_

**ENGINES, &c.—Description of Engines**

No. of Cylinders \_\_\_\_\_ No. of Cranks \_\_\_\_\_

Length of Stroke \_\_\_\_\_ Revs. per minute \_\_\_\_\_ Dia. of Screw shaft \_\_\_\_\_ Material of screw shaft \_\_\_\_\_

Is the after end of the liner made water tight \_\_\_\_\_

Is the liner does not fit tightly at the part \_\_\_\_\_

Is the space charged with a plastic material insoluble in water and non-corrosive \_\_\_\_\_

Length of stern bush \_\_\_\_\_

Dia. of Crank shaft journals \_\_\_\_\_ Dia. of Crank pin \_\_\_\_\_ Size of Crank webs \_\_\_\_\_ Dia. of thrust shaft under \_\_\_\_\_

No. of Blades \_\_\_\_\_ State whether moveable \_\_\_\_\_ Total surface \_\_\_\_\_

Can one be overhauled while the other is at work \_\_\_\_\_

Can one be overhauled while the other is at work \_\_\_\_\_

No. and size of Suctions connected to both Bilge and Donkey pumps \_\_\_\_\_

In Holds, &c. \_\_\_\_\_

Is a separate Donkey Suction fitted in Engine room & size \_\_\_\_\_

Are the roses in Engine room always accessible \_\_\_\_\_

Are the Discharge Pipes above or below the deep water line \_\_\_\_\_

Are the Blow Off Cocks fitted with a spigot and brass covering plate \_\_\_\_\_

How are they protected \_\_\_\_\_

Are the Discharge Pipes above or below the deep water line \_\_\_\_\_

Are the Blow Off Cocks fitted with a spigot and brass covering plate \_\_\_\_\_

How are they protected \_\_\_\_\_

Are the Discharge Pipes above or below the deep water line \_\_\_\_\_

Are the Blow Off Cocks fitted with a spigot and brass covering plate \_\_\_\_\_

How are they protected \_\_\_\_\_

MANUFACTURERS, &c.—(Letter for record \_\_\_\_\_) Manufacturers of Steel *Messrs. North Bros. Co. Coatesville, Pa.*

Total Heating Surface of Boilers *8439 sq. ft.* Is Forced Draft fitted \_\_\_\_\_ No. and Description of Boilers *3 Water tube*

Working Pressure *225 lbs.* Tested by hydraulic pressure to *500 lbs.* Date of test \_\_\_\_\_ No. of Certificate \_\_\_\_\_

Area of each valve \_\_\_\_\_ Pressure to which they are adjusted \_\_\_\_\_ Are they fitted with easing gear \_\_\_\_\_

Mean dia. of boiler *42"* Length *2-3 7/8'* Material of shell plates *Steel*

Working pressure of shell by rules *225 lbs.* Size of manhole in shell *15" x 11"*

Material of stays \_\_\_\_\_ Area supported by each stay \_\_\_\_\_ Working pressure by rules \_\_\_\_\_ End plates in steam space: \_\_\_\_\_

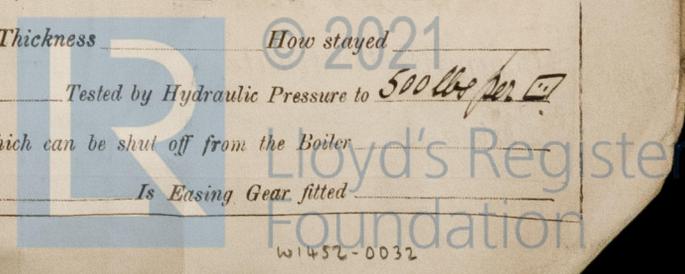
Material of stays *Steel* Thickness *9/16"* Pitch of stays \_\_\_\_\_ How are stays secured *Disks* Working pressure by rules *225 lbs.* Material of stays \_\_\_\_\_

Material of Front plates at bottom \_\_\_\_\_ Working pressure of plate by rules \_\_\_\_\_

Material of Lower back plate \_\_\_\_\_ Thickness \_\_\_\_\_ Greatest pitch of stays \_\_\_\_\_ Working pressure of plate by rules \_\_\_\_\_

Material of tube plates \_\_\_\_\_ Thickness: Front \_\_\_\_\_ Back \_\_\_\_\_ Mean pitch of stays \_\_\_\_\_

Material of tube plates \_\_\_\_\_ Thickness: Front \_\_\_\_\_ Back \_\_\_\_\_ Mean pitch of stays \_\_\_\_\_



IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

The Balfour & Wilcox Co.

J. Henger Marine Dept Manufacturer.

Dates of Survey while building (During progress of work in shops, During erection on board vessel, Total No. of visits)

Is the approved plan of main boiler forwarded herewith Yes.

Dates of Examination of principal parts—Cylinders Slides Covers Pistons Rods

Connecting rods Crank shaft Thrust shaft Tunnel shafts Screw shaft Propeller

Stern tube Steam pipes tested Engine and boiler seatings Engines holding down bolts

Completion of pumping arrangements Boilers fixed Engines tried under steam

Completion of fitting sea connections Stern tube Screw shaft and propeller

Main boiler safety valves adjusted Thickness of adjusting washers

Material of Crank shaft Identification Mark on Do. Material of Thrust shaft Identification Mark on Do.

Material of Tunnel shafts Identification Marks on Do. Material of Screw shafts Identification Marks on Do.

Material of Steam Pipes Test pressure

Is an installation fitted for burning oil fuel Is the flash point of the oil to be used over 150°F.

Have the requirements of Section 49 of the Rules been complied with

Is this machinery duplicate of a previous case If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c.)

These Boilers have been tried under Special Curves and in accordance with the approved plans. The workmanship and materials are both of good quality. The Boilers have been erected in the works, drums, elements and Super heaters have been tested to 50 lbs per sq in and found tight & sound. They have now been dismantled for shipment. To complete the survey the boilers to be re-erected in vessel & tested by hydraulic pressure. The mountings to be examined & fitted. All safety valves to be adjusted under steam.

The forwarded to the Surveyors

Table with columns for Fee Type (Entry, Special, Donkey Boiler, Travelling Expenses), Amount (£), and When applied/received.

J. Hudson

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute New York AUG 28 1917

Assigned See other report

