

REPORT ON MACHINERY.

No. 144594

Received at London Office
 of writing Report *Nov. 23rd 1917* When handed in at Local Office *Nov. 23rd 1917* Port of *New York*
 in Survey held at *Bayonne, N.J.* Date, First Survey *Sept 1 1917* Last Survey *19*
 g. Book. on the *Mexicali Tube Boilers for Texas Steamship Corp.* # *10*

ster Built at By whom built Tons { Gross Net } When built

ines made at By whom made when made
 lers made at *Bayonne* By whom made *Babcock & Wilcox Co.* when made *1917*
 istered Horse Power Owners Port belonging to

a. Horse Power as per Section 28 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

GINES, &c.—Description of Engines

No. of Cylinders No. of Cranks
 of Cylinders Length of Stroke Revs. per minute Dia. of Screw shaft as per rule as fitted Material of screw shaft
 he screw shaft fitted with a continuous liner the whole length of the stern tube Is the after end of the liner made water tight
 he propeller boss If the liner is in more than one length are the joints burned If the liner does not fit tightly at the part
 een the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive If two
 s are fitted, is the shaft lapped or protected between the liners Length of stern bush
 of Tunnel shaft as per rule Dia. of Crank shaft journals as per rule Dia. of Crank pin Size of Crank webs Dia. of thrust shaft under
 rs Dia. of screw Pitch of Screw No. of Blades State whether moveable Total surface
 of Feed pumps Diameter of ditto Stroke Can one be overhauled while the other is at work
 of Bilge pumps Diameter of ditto Stroke Can one be overhauled while the other is at work
 of Donkey Engines Sizes of Pumps No. and size of Suctions connected to both Bilge and Donkey pumps
 Engine Room In Holds, &c.

Bilge Injections sizes Connected to condenser, or to circulating pump Is a separate Donkey Suction fitted in Engine room & size
 ll the bilge suction pipes fitted with roses Are the roses in Engine room always accessible Are the sluices on Engine room bulkheads always accessible
 ll connections with the sea direct on the skin of the ship Are they Valves or Cocks
 hey fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Are the Discharge Pipes above or below the deep water line
 hey each fitted with a Discharge Valve always accessible on the plating of the vessel Are the Blow Off Cocks fitted with a spigot and brass covering plate
 pipes are carried through the bunkers How are they protected

ll Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times
 he Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges
 Screw Shaft Tunnel watertight Is it fitted with a watertight door worked from

ERS, &c.—(Letter for record) Manufacturers of Steel *Lukens Iron & Steel Co. Coatesville, Pa.*

Heating Surface of Boilers { *9969 Sq. Ft. Boilers* Is Forced Draft fitted No. and Description of Boilers *Mexicali Tube*
 ing Pressure *200 lbs.* *997 Sq. Ft. Superheaters* Tested by hydraulic pressure to *400 lbs.* Date of test No. of Certificate
 ach boiler be worked separately Area of fire grate in each boiler *Oil Burning Furnace 6-9" x 12-5 1/2"* No. and Description of Safety Valves to

oil boiler Area of each valve Pressure to which they are adjusted Are they fitted with easing gear
 st distance between boilers or uptakes and bunkers or woodwork Mean dia. of *Drum* *42"* Length *4'-7 3/8"* Material of shell plates *Steel*
 ess *9/16"* Range of tensile strength *60000 lbs.* Are the *Drum* plates welded or flanged *No* Descrip. of riveting: cir. seams *D.R.L.A.P.*
 seams *D.R.D.E.S.* Diameter of rivet holes in long. seams *29/32"* Pitch of rivets *2 3/4"* *9/16"* *1 1/4"* *1 1/2"* *1 3/4"* *2"* *2 1/4"* *2 3/4"* *3"* *3 1/4"* *3 1/2"* *4"* *4 1/4"* *4 1/2"* *5"* *5 1/4"* *5 1/2"* *6"* *6 1/4"* *6 1/2"* *7"* *7 1/4"* *7 1/2"* *8"* *8 1/4"* *8 1/2"* *9"* *9 1/4"* *9 1/2"* *10"* *10 1/4"* *10 1/2"* *11"* *11 1/4"* *11 1/2"* *12"* *12 1/4"* *12 1/2"* *13"* *13 1/4"* *13 1/2"* *14"* *14 1/4"* *14 1/2"* *15"* *15 1/4"* *15 1/2"* *16"* *16 1/4"* *16 1/2"* *17"* *17 1/4"* *17 1/2"* *18"* *18 1/4"* *18 1/2"* *19"* *19 1/4"* *19 1/2"* *20"* *20 1/4"* *20 1/2"* *21"* *21 1/4"* *21 1/2"* *22"* *22 1/4"* *22 1/2"* *23"* *23 1/4"* *23 1/2"* *24"* *24 1/4"* *24 1/2"* *25"* *25 1/4"* *25 1/2"* *26"* *26 1/4"* *26 1/2"* *27"* *27 1/4"* *27 1/2"* *28"* *28 1/4"* *28 1/2"* *29"* *29 1/4"* *29 1/2"* *30"* *30 1/4"* *30 1/2"* *31"* *31 1/4"* *31 1/2"* *32"* *32 1/4"* *32 1/2"* *33"* *33 1/4"* *33 1/2"* *34"* *34 1/4"* *34 1/2"* *35"* *35 1/4"* *35 1/2"* *36"* *36 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IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

Rpt. 13.

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eg. Book

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DESCRIPTION

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

Dates of Survey while building
{ During progress of work in shops --
{ During erection on board vessel --
{ Total No. of visits

Sept. 1-6 Oct. 31 Nov 14

Is the approved plan of main boiler forwarded herewith

W. dispatch, twin

" " " donkey " " "

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

If so, state name of vessel

Is this machinery duplicate of a previous case

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

These Boilers have been built under Special Survey and in accordance with plans approved July 9, 1917. The workmanship and materials are both of good quality. The steam drums, elements and super-heaters have been tested by hydraulic pressure to 400 lbs per sq in and found tight and sound. They have now been despatched for fitting on board. To complete the Survey, the boilers to be erected on board & tested by hydraulic pressure. Mountings to be examined & fitted and safety valves to be adjusted under steam.

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 JUL - 1 1919

Assigned

see Bos. Rpt 1166

J. Hudson
Engineer Surveyor to Lloyd's Register of Shipping



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Lloyd's Register
Foundation