

REPORT ON MACHINERY.

No. 14

Received at London Office

26th Sept 1918 When handed in at Local Office

Port of Buffalo N.Y.

Date, First Survey 7th May 1918 Last Survey 26th Sept 1918

Survey held at Buffalo N.Y.

on the Engines for No. 11 Ship

Build at Bath Maine By whom built The Texas Steamship Co

Engines made at Buffalo N.Y. By whom made H. G. Hunt Co (No 61)

When built 1918

Registered Horse Power 643

Owners The Texas Steamship Co

Port belonging to

Is Refrigerating Machinery fitted for cargo purposes

Is Electric Light fitted

GINES, &c.—Description of Engines Triple Expansion

No. of Cylinders 3 No. of Cranks 3

Length of Stroke 51" Revs. per minute 75 Dia. of Screw shaft as per rule 14.71 as fitted 15.5 Material of screw shaft O.H.S

Is the screw shaft fitted with a continuous liner the whole length of the stern tube Yes

Is the after end of the liner made water tight

If the liner is in more than one length are the joints burned joints

If the liner does not fit tightly at the part

between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive

If two

are fitted, is the shaft lapped or protected between the liners

Length of stern bush 63.75

of Tunnel shaft as per rule 14.44 as fitted 14.75 Dia. of Crank pin 14 3/4 Size of Crank webs 28" x 10" Dia. of thrust shaft under

of Feed pumps Diameter of ditto Stroke Can one be overhauled while the other is at work

of Bilge pumps 2 Diameter of ditto 5 1/2" Stroke 24" Can one be overhauled while the other is at work Yes

of Donkey Engines Sizes of Pumps No. and size of Suctions connected to both Bilge and Donkey pumps

Engine Room In Holds, &c.

of Bilge Injections sizes Connected to condenser, or to circulating pump Is a separate Donkey Suction fitted in Engine room & size

all the bilge suction pipes fitted with roses Are the roses in Engine room always accessible Are the sluices on Engine room bulkheads always accessible

all connections with the sea direct on the skin of the ship Are they Valves or Cocks

they 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

they 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

t pipes are carried through the bunkers How are they protected

all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times

the 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

Heating Surface of Boilers 9975 Is Forced Draft fitted Yes No. and Description of Boilers B9 W

Working Pressure 200 lbs Tested by hydraulic pressure to Date of test No. of Certificate

each boiler be worked separately Area of fire grate in each boiler No. and Description of Safety Valves to

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

test distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers Length Material of shell plates

Range of tensile strength Are the shell plates welded or flanged Descrip. of riveting: cir. seams

Diameter of rivet holes in long. seams Pitch of rivets Lap of plates or width of butt straps

Working pressure of shell by rules Size of manhole in shell

No. and Description of Furnaces in each boiler Material Outside diameter

Thickness of plates Description of longitudinal joint No. of strengthening rings

Combustion chamber plates: Material Thickness: Sides Back Top Bottom

If stays are fitted with nuts or riveted heads Working pressure by rules

Area at smallest part Area supported by each stay Working pressure by rules End plates in steam space:

Thickness Pitch of stays How are stays secured Working pressure by rules Material of stays

Area supported by each stay Working pressure by rules Material of Front plates at bottom

Greatest pitch of stays Working pressure of plate by rules

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

Girders to Chamber tops: Material Depth and

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

Steam dome: description of joint to shell % of strength of joint

Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes

Working pressure of shell by rules Crown plates Thickness How stayed

HEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Pressure to which each is adjusted Is Easing Gear fitted

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REPORT ON MACHINERY

pt. 4.

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

H.G. Trout Co

Manufacturer.

Dates of Survey while building
 During progress of work in shops -- May 7, 8, 20, 27, 28, June 4, 5, 12, 17, 27, July 1, 3, 8, 13, 18, 22, 25, 26, Aug 1, 5, 9, 16, 29, Sept
 During erection on board vessel --
 Total No. of visits

Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts: Cylinders 13th July Slides 13th July Covers 13th July Pistons 13th July Rods 1st Aug
 Connecting rods 1st Aug Crank shaft 26th July Thrust shaft 5th Aug Tunnel shafts — Screw shaft 24th Sept Propeller 29th Aug

Stern tube 3rd July 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 O.H.S Identification Mark on Do. F.W.T. Material of Thrust shaft O.H.S Identification Mark on Do. Lloyd 61-1918

Material of Tunnel shafts — Identification Marks on Do. — Material of Screw shafts O.H.S Identification Marks on Do. Lloyd 61-1918

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 Yes If so, state name of vessel Engine 206

General Remarks (State quality of workmanship, opinions as to class, &c.) The above engines have been

constructed under Special Survey. The materials and workmanship employed in their manufacture are sound and good - They have been forwarded to Bath, Maine, to be fitted on board ship 2011, being built by The Texas Steamship Co.

Certificate (if required) to be sent to

The amount of Entry Fee ... £	:	:	When applied for,
1/3 Special Buffalo 2.4	£	\$ 86-90	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.W. Swedell L.H. Osborn
 Engineer Surveyor to Lloyd's Register of Shipping