

REPORT ON MACHINERY.

No. 780

WED. OCT. 7. 1914

Received at London Office

of writing Report 28 Sept 10 14 When handed in at Local Office 28 Sept 10 14 Port of Boston

in Survey held at Quincy Date, First Survey 29 Aug 1914 Last Survey 15 Sept 1914

Book. 12 on the Ss PACIFIC (Number of Visits 77.)

ster F. S. Mundy Built at Quincy By whom built Fore River Shipbuilding Corporation

rines made at Quincy By whom made do. when made 1914

lers made at Wilmington By whom made Harlan & Hotellingworth when made 1914

istered Horse Power 448 Owners Emory Steamship Co. Port belonging to Boston

n. Horse Power as per Section 28 448 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes

GINES, &c.—Description of Engines triple expansion No. of Cylinders 3 No. of Cranks 3

a. of Cylinders 25"-41"-68" Length of Stroke 48" Revs. per minute 70 Dia. of Screw shaft as per rule 14 1/2 as fitted 14 7/8 Material of steel

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

the propeller boss yes If the liner is in more than one length are the joints burned If the liner does not fit tightly at the part

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

ers are fitted, is the shaft lapped or protected between the liners Length of stern bush 4'-11"

a. of Tunnel shaft as per rule 12-86 Dia. of Crank shaft journals as per rule 13-5 Dia. of Crank pin 14" Size of Crank webs 9 1/2 Dia. of thrust shaft under

lars 13 1/2 Dia. of screw 14-9" Pitch of Screw 18-8 No. of Blades 4 State whether moceable yes Total surface 92 sq ft

a. of Feed pumps 2 double Diameter of ditto 9x6" Stroke 10" 1-2" INJECTOR Can one be overhauled while the other is at work yes

a. of Bilge pumps 2 Diameter of ditto 4 1/2" Stroke 20" Can one be overhauled while the other is at work yes

a. of Donkey Engines 3 Sizes of Pumps 10 1/2, 12 1/2, 14 1/2, 16 1/2, 18 1/2, 20 1/2, 22 1/2, 24 1/2, 26 1/2, 28 1/2, 30 1/2, 32 1/2, 34 1/2, 36 1/2, 38 1/2, 40 1/2, 42 1/2, 44 1/2, 46 1/2, 48 1/2, 50 1/2, 52 1/2, 54 1/2, 56 1/2, 58 1/2, 60 1/2, 62 1/2, 64 1/2, 66 1/2, 68 1/2, 70 1/2, 72 1/2, 74 1/2, 76 1/2, 78 1/2, 80 1/2, 82 1/2, 84 1/2, 86 1/2, 88 1/2, 90 1/2, 92 1/2, 94 1/2, 96 1/2, 98 1/2, 100 1/2 No. and size of Suctions connected to both Bilge and Donkey pumps

Engine Room & boiler room 6 - 3 1/2" In Holds, &c. 2 - 3 1/2" in each hold & 2 - 3 1/2"

in the workshop bunkers.

a. of Bilge Injections 1 sizes 8" Connected to condenser to circulating pump yes Is a separate Donkey Suction fitted in Engine room & size yes 3 1/2"

e all the bilge suction pipes fitted with roses yes Are the roses in Engine room always accessible yes Are the sluices on Engine room bulkheads always accessible none

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

e they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates yes Are the Discharge Pipes above or below the deep water line above

e they each fitted with a Discharge Valve always accessible on the plating of the vessel yes Are the Blow Off Cocks fitted with a spigot and brass covering plate yes

hat pipes are carried through the bunkers hold suction How are they protected wood ceiling

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

e the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges yes

ates of examination of completion of fitting of Sea Connections Aug 3 of Stern Tube Aug 1 Screw shaft and Propeller Aug 3

the Screw Shaft Tunnel watertight none Is it fitted with a watertight door worked from

ILERS, &c.—(Letter for record S.) Manufacturers of Steel See Philadelphia report 2129 Lewis with 358

otal Heating Surface of Boilers 6501 Is Forced Draft fitted yes No. and Description of Boilers 3 Scotch type

orking Pressure 190 lbs Tested by hydraulic pressure to 285 lbs Date of test 28/2/14 No. of Certificate 61

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

ch boiler 2 spring loaded Area of each valve 700 sq in Pressure to which they are adjusted 190 lbs Are they fitted with easing gear yes

le 27 smallest distance between boilers or uptakes and bunkers or woodwork about 15" Mean dia. of boilers Length Material of shell plates

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

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

er centages of strength of longitudinal joint rivets Working pressure of shell by rules Size of manhole in shell

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

length of plain part top Thickness of plates crown Description of longitudinal joint No. of strengthening rings

orking pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom

itch of stays to ditto: Sides Back Top If stays are fitted with nuts or riveted heads Working pressure by rules

Tons Material of stays Diameter at smallest part Area supported by each stay Working pressure by rules End plates in steam space:

53 Material Thickness Pitch of stays How are stays secured Working pressure by rules 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 Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays

itch across wide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and

thickness of girder at centre Length as per rule Distance apart Number and pitch of stays in each

orking pressure by rules Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked

eparately 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

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

orking pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

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