

# REPORT ON MACHINERY.

No. 140629

Received at London Office

Date of writing Report 19 When handed in at Local Office 19 Port of New York

No. in Survey held at 10 Date, First Survey Nov. 29 1916 Last Survey 19

Reg. Book. on the Steamer Eddy Corp. N. 4. (Number of Visits ) Tons Gross Net

Master Built at Seattle, Wash. By whom built Steamer & Eddy Corp. When built 1917

Engines made at 10 By whom made General Electric Co. when made 1917

Boilers made at By whom made when made

Registered Horse Power Owners Port belonging to

Shaft Horse Power at Full Power 2500 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

TURBINE ENGINES, &c.—Description of Engines Grand Turbine 2545. No. of Turbines One

Diameter of Rotor Shaft Journals, H.P. 8" L.P. r Diameter of Pinion Shaft 4"

Diameter of Journals H.S. GEAR 10" Distance between Centres of Bearings H.S. PINION 25" Diameter of Pitch Circle H.S. PINION 7.833" 57.333"

Diameter of Wheel Shaft 14" Distance between Centres of Bearings L.S. PINION 54 1/2" Diameter of Pitch Circle of Wheel L.S. PINION 10.75" 54.75"

Width of Face 14.55" Diameter of Thrust Shaft under Collars Diameter of Tunnel Shaft as per rule as fitted

No. of Screw Shafts Diameter of same as per rule as fitted Diameter of Propeller Pitch of Propeller

No. of Blades State whether Moveable Total Surface Diameter of Rotor Drum, H.P. L.P. Astern

Thickness at Bottom of Groove, H.P. L.P. Astern Revs. per Minute at Full Power, Turbine 3578.5 Propeller 100

RTICULARS OF BLADING.

	ACTIVE H.P. PINION			L.P.			ACTIVE ASTERN. PINION		
	HEIGHT OF BLADES.	DIAMETER AT TIP.	NO. OF ROWS.	HEIGHT OF BLADES.	DIAMETER AT TIP.	NO. OF ROWS.	HEIGHT OF BLADES.	DIAMETER AT TIP.	NO. OF ROWS.
EXPANSION	7.25	2'-11 1/2"	2				8.25	2'-10"	2
D	6.25	2'-9"	1				7.25	2'-8"	1
D	1.25	2'-10 1/2"	1				6.25	2'-7"	1
H	2.5	4'-0"	1				5.25	2'-6"	1
H	6	4'-2"	1				4.25	2'-5"	1
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and size of Feed pumps

and size of Bilge pumps

and size of Bilge suction in 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

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

at 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

the Screw Shaft Tunnel watertight Is it fitted with a watertight door worked from

ILERS, &c.—(Letter for record ) Manufacturers of Steel

tal Heating Surface of Boilers Is Forced Draft fitted No. and Description of Boilers

orking Pressure Tested by hydraulic pressure to Date of test No. of Certificate

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

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

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

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

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

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

plates plates

e of compensating ring No. and Description of Furnaces in each Boiler Material Outside diameter

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

length of plain part bottom bottom

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

ch of stays to ditto: Sides Back Top If stays are fitted with nuts or riveted heads Working pressure by rules End plates in steam space

terial of stays Diameter at smallest part Area supported by each stay Working pressure by rules Material of stays

terial Thickness Pitch of stays How are stays secured Working pressure by rules Material of Front plates at bottom

meter at smallest part Area supported by each stay Working pressure by rules

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

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

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

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

orking pressure by rules Steam dome: description of joint to shell % of strength of joint Diameter

ckness of shell plates Material Description of longitudinal joint Diameter of rivet holes Pitch of rivets

orking pressure of shell by rules Crown plates: Thickness How stayed



Lloyd's Register  
Foundation