

Turbine N^o 140151. Gear N^o 4401.

4a.

REPORT ON MACHINERY.

No. 121

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of writing Report 26 Dec 1919 When handed in at Local Office 26 Dec 1919 Port of Erie Pa.
in Survey held at Erie Pa. Date, First Survey 17 Sept Last Survey 23 Dec 1919
Book. 95 "ROBIN CARY" (HULL N^o C) 75 (Number of Visits 45)
on the Gross 6859.9
Net 5720.7
ster N K Wills Built at Seattle By whom built Skinner & Eddy Corporation When built
ines made at Erie Pa. By whom made General Electric Co when made 1919.
lers made at Seattle By whom made Commercial Boiler works when made 1919
istered Horse Power Owners Pacific Line Steamship Co (88 Skimmer) Port belonging to San Francisco
ft Horse Power at Full Power 3000 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

BINE ENGINES, &c.—Description of Engines 3000 H.P. Curtis Turbine connected to 2 Plane double reduction gear No. of Turbines One ✓
eter of Rotor Shaft Journals, H.P. 8" L.P. — Diameter of Pinion Shaft H.S. 7 5/8" Bore 4 3/8" L.S. 11 1/2" Bore 6 1/4"
eter of Journals H.S. 7" L.S. 10" Distance between Centres of Bearings H.S. 2 1/4" L.S. 4-2 3/4" Diameter of Pitch Circle H.S. 7.8" L.S. 12.4"
eter of Wheel Shaft 15 1/2" + 15" at bearings Distance between Centres of Bearings 4-8 1/2" Diameter of Pitch Circle of Wheel 97.6"
h of Face 33" Diameter of Thrust Shaft under Collars Diameter of Tunnel Shaft as per rule as fitted
f Screw Shafts Diameter of same as per rule as fitted Diameter of Propeller Pitch of Propeller
f Blades State whether Moveable Total Surface Diameter of Rotor Drum, H.P. 11" L.P. ✓ Astern ✓
ness at Bottom of Groove, H.P. ✓ L.P. ✓ Astern ✓ Revs. per Minute at Full Power, Turbine 3378 ✓ Propeller 90 ✓
GEARS 708 + 90.

TICULARS OF BLADING.

	H. P.			L. P.			ASTERN.		
	HEIGHT OF BLADES.	PITCH DIAMETER AT TIP.	NO. OF ROWS.	HEIGHT OF BLADES.	DIAMETER AT TIP.	NO. OF ROWS.	HEIGHT OF BLADES.	PITCH DIAMETER AT TIP.	NO. OF ROWS.
12-3 1st Row	34.1" 1/4"	35 1/2"	2	/	/	/	18 1/2" 1 1/2"	39"	2
16 EXPANSION VALVE 2nd Row	78" 1/4"	45"	1				3 3/8"	39"	1
"	1 1/2"	46 1/2"	1						
"	2 1/2"	48"	1						
"	6"	50"	1						
"									
20701									
20788									
2-12-									
20701									
277									
2-12-19									

nd size of Feed pumps
nd size of Bilge pumps
nd size of Bilge suction in 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
l the bilge suction pipes fitted with roses Are the roses in Engine room always accessible
l connections with the sea direct on the skin of the ship Are they Valves or Cocks
ey 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
ey 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 bunks How are they protected
l Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times
e 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 Is Forced Draft fitted No. and Description of Boilers
ing Pressure 200# Tested by hydraulic pressure to Date of test No. of Certificate
ch boiler be worked separately Area of fire grate in each boiler No. and Description of Safety Valves to
iler Area of each valve Pressure to which they are adjusted Are they fitted with easing gear
st distance between boilers or uptakes and bunks or woodwork Mean dia. of boilers Length Material of shell plates
ess Range of tensile strength Are the shell plates welded or flanged Descrip. of riveting: cir. seams
ams Diameter of rivet holes in long. seams Pitch of rivets Lap of plates or width of butt straps
stages of strength of longitudinal joint rivets Working pressure of shell by rules Size of manhole in shell plates
compensating ring No. and Description of Furnaces in each Boiler Material Outside diameter
of plain part top crown Thickness of plates Description of longitudinal joint No. of strengthening rings bottom bottom
g pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom
f stays to ditto: Sides Back Top If stays are fitted with nuts or riveted heads Working pressure by rules
l of stays Diameter at smallest part Area supported by each stay Working pressure by rules End plates in steam space
l Thickness Pitch of stays How are stays secured Working pressure by rules Material of stays
r at smallest part Area supported by each stay Working pressure by rules Material of Front plates at bottom
ss Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules
hipping. r of tubes Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays
ross wide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and
s of girder at centre Length as per rule Distance apart Number and pitch of stays in each
n pressure by rules Steam dome: description of joint to shell % of strength of joint Diameter
s of shell plates Material Description of longitudinal joint Diameter of rivet holes Pitch of rivets
n pressure of shell by rules Crown plates: Thickness How stayed

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Lloyd's Register

