

REPORT ON MACHINERY

No. 13421

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Date of writing Report Dec. 28th 1916 When handed in at Local Office Dec. 28th 1916 Port of New York
No. in Survey held at Shenewady Date, First Survey May 15th Last Survey Oct. 9th 1916
Reg. Book. Shenewady Shenewady Shenewady (Number of Visits 6)

Master _____ Built at _____ By whom built Shenewady S.P. Co. When built _____
Engines made at Shenewady By whom made General Electric Company when made 1916
Boilers made at _____ By whom made _____ when made _____
Registered Horse Power _____ Owners _____ Port belonging to _____
Shaft Horse Power at Full Power 2400 Is Refrigerating Machinery fitted for cargo purposes _____ Is Electric Light fitted _____

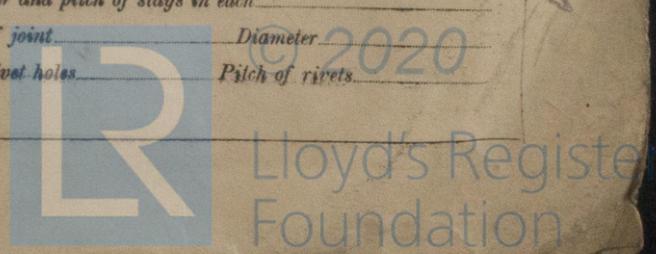
TURBINE ENGINES, &c.—Description of Engines Geared Turbine No. of Turbines One
Diameter of Rotor Shaft Journals, H.P. 8 L.P. _____ Diameter of Pinion Shaft 3.625"
Diameter of Journals 6.45 PINION Distance between Centres of Bearings 3.45 H.P. PINION Diameter of Pitch Circle 31.667" GEAR
Diameter of Wheel Shaft 14" Distance between Centres of Bearings 56.5 PINION 57.5" GEAR Diameter of Pitch Circle of Wheel 96.5" PINION
Width of Face 14.35" Diameter of Thrust Shaft under Collars _____ Diameter of Tunnel Shaft _____
No. of Screw Shafts _____ Diameter of same _____ Diameter of Propeller _____ Pitch of Propeller _____
No. of Blades _____ State whether Moveable _____ Total Surface _____ Diameter of Rotor Drum, H.P. _____ L.P. _____
Thickness at Bottom of Groove, H.P. _____ L.P. _____ Astern _____ Revs. per Minute at Full Power, Turbine 3302 Propeller 75

PARTICULARS OF BLADING.

	H.P.			L.P.			ASTERN.		
	ACTIVE HEIGHT OF BLADES.	PITCH DIAMETER AT TIP.	NO. OF ROWS.	HEIGHT OF BLADES.	DIAMETER AT TIP.	NO. OF ROWS.	ACTIVE HEIGHT OF BLADES.	PITCH DIAMETER AT TIP.	NO. OF ROWS.
1ST EXPANSION	87541375	2' 11 1/2"	2				875415	3' 3"	2
2ND "	625"	3' 9"	1				3375"	3' 3"	1
3RD "	1.25"	3' 10 1/2"	1						
4TH "	2.5"	4' 0"	1						
5TH "	6"	4' 2"	1						
6TH "									
7TH "									
8TH "									

No. and size of Feed pumps _____
No. and size of Bilge pumps _____
No. and size of Bilge suction in Engine Room _____
In Holds, &c. _____
No. of Bilge Injections _____ sizes _____ Connected to condenser, or to circulating pump _____ Is a separate Donkey Suction fitted in Engine Room & size _____
Are all the bilge suction pipes fitted with roses _____ Are the roses in Engine room always accessible _____
Are all connections with the sea direct on the skin of the ship _____ Are they Valves or Cocks _____
Are 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 _____
Are 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 _____
What pipes are carried through the bunkers _____ How are they protected _____
Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times _____
Are the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges _____
Is the Screw Shaft Tunnel watertight _____ Is it fitted with a watertight door _____ worked from _____

BOILERS, &c.—(Letter for record _____) Manufacturers of Steel _____
Total Heating Surface of Boilers _____ Is Forced Draft fitted _____ No. and Description of Boilers _____
Working Pressure _____ Tested by hydraulic pressure to _____ Date of test _____ No. of Certificate _____
Can each boiler be worked separately _____ Area of fire grate in each boiler _____ No. and Description of Safety Valves to each boiler _____
Area of each valve _____ Pressure to which they are adjusted _____ Are they fitted with easing gear _____
Smallest distance between boilers or uptakes and bunkers or woodwork _____ 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 _____
long. seams _____ Diameter of rivet holes in long. seams _____ Pitch of rivets _____ Lap of plates or width of butt straps _____
Per centages of strength of longitudinal joint _____ Working pressure of shell by rules _____ Size of manhole in shell _____
Size of compensating ring _____ No. and Description of Furnaces in each Boiler _____ Material _____ Outside diameter _____
Length of plain part _____ Thickness of plates _____ Description of longitudinal joint _____ No. of strengthening rings _____
Working pressure of furnace by the rules _____ Combustion chamber plates: Material _____ Thickness: Sides _____ Back _____ Top _____ Bottom _____
Pitch of stays to ditto: Sides _____ Back _____ Top _____ If stays are fitted with nuts or riveted heads _____ Working pressure by rules _____
Material of stays _____ Diameter at smallest part _____ Area supported by each stay _____ Working pressure by rules _____ End plates in steam space _____
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 _____
Pitch 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 _____
Working pressure by rules _____ Steam dome: description of joint to shell _____ % of strength of joint _____ Diameter _____
Thickness of shell plates _____ Material _____ Description of longitudinal joint _____ Diameter of rivet holes _____ Pitch of rivets _____
Working pressure of shell by rules _____ Crown plates: Thickness _____ How stayed _____



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