

Port of NEW YORK N.Y.

Continuation of Report No.

listed No 15600 in the

SURVEY HELD AT SCHENECTADY N.Y.

ENGINES MADE AT SCHENECTADY N.Y. BY GENERAL ELECTRIC CO. — 1918.

SHAFT HORSE POWER AT FULL POWER 2400.

S.S. "Phaton" Pusey & Jones Company Hull C 6

TURBINE ENGINE. DESCRIPTION GEARED TURBINE (TURBINE. 12420. GEAR. 2535.) No. OF TURBINES ONE. DIA. ROTOR SHAFT JOURNALS 8" DIA. PINION SHAFT 7" DIA. JOURNALS H.S. PINION 7" H.S. GEAR 10" DISTANCE BETWEEN CENTRES OF BEARINGS H.S. PINION 25" H.S. GEAR 24½" DIA. PITCH CIRCLE H.S. PINION 7.833" H.S. GEAR 57.666" DIA. WHEEL SHAFT 14" DISTANCE BETWEEN CENTRE OF BEARINGS L.S. PINION 52" PITCH CIRCLE OF WHEEL L.S. PINION 10.75" L.S. GEAR 54.75" WIDTH FACE 14.35" REVS. PER MINUTE AT FULL POWER TURBINE 3374.5 PROPELLER 90—

PARTICULARS OF BLADING—

	AHEAD.			ASTERN.		
	HEIGHT OF ACTIVE BLADING.	PITCH DIA.	ROWS.	HEIGHT OF ACTIVE BLADING.	PITCH DIA.	ROWS.
1 st Exp.	75-125	2'-11½"	2	8125-1.5	3'-3"	2
2 nd "	625	3'-9"	1	3.375	3'-3"	1
3 rd "	125	3'-10½"	1			
4 th "	2.5	4'-0"	1			
5 th "	6.0	4'-2"	1			

THE FOREGOING IS A CORRECT DESCRIPTION.

General Electric Co. MANUFACTURER.
per S. A. Berg

DATES DURING WORK IN SHOPS. 1918 JULY 16. 22. 24. 31. AUG. 12. 13. 30.

MATERIAL AND TENSILE STRENGTH OF ROTOR SHAFT. STEEL 80,000 LBS. □" MIN.

" " " " PINION " " 85,000 " " "

" OF WHEEL SHAFT STEEL. IDENTIFICATION MARKS T. G. D.

GENERAL REMARKS. These engines have been constructed under Special Survey in accordance with the approved plans. The materials and workmanship are sound and good. The engines have been forwarded to Philadelphia Pa. to be fitted on board.

S. A. Berg.

Engineer Surveyor to Lloyd's Register.

Pusey & Jones. C6.

See Phil. Rpt 3425



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Foundation