

June 3-1920

THE JUL 20 1920

REPORT ON ELECTRIC LIGHTING INSTALLATION. No. 3863

Port of PHILADELPHIA Date of First Survey May 11th Date of Last Survey June 15th No. of Visits 6
 No. in Reg. Book NEW on the NEW Steel SCREW STEAMER JOHN JAY Port belonging to Gloucester City
 Built at GLoucester, N.J. By whom PUSEY & JONES CO. When built 1920
 Owners Emergency Steel Corporation N.S.S. Bd Owners' Address Washington DC.
 Yard No. 18 Electric Light Installation fitted by PUSEY & JONES CO When fitted 1920

DESCRIPTION OF DYNAMO, ENGINE, ETC.

2-15 H.W. ENGBERG-ELECTRIC & MECHANICAL WORKS.
GENERATORS-125 VOLTS-D.C.
 Capacity of Dynamo 120 Amperes at 125 Volts, whether continuous or alternating current CONTINUOUS
 Where is Dynamo fixed ENGINE ROOM PLATFORM Whether single or double wire system is used DOUBLE WIRE
 Position of Main Switch Board ENGINE ROOM PLATFORM having switches to groups _____ of lights, &c., as below
 Positions of auxiliary switch boards and numbers of switches on each NO AUXILIARY SWITCHBOARD.

If fuses are fitted on main switch board to the cables of main circuit YES and on each auxiliary switch board to the cables of auxiliary circuits _____ and at each position where a cable is branched or reduced in size YES and to each lamp circuit YES.
 If vessel is wired on the double wire system are fuses fitted to both flow and return wires or cables of all circuits including lamp circuits YES.
 Are the fuses of non-oxidizable metal YES and constructed to fuse at an excess of 100% per cent over the normal current
 Are all fuses fitted in easily accessible positions YES Are the fuses of standard dimensions YES If wire fuses are used are permanent instructions fitted on or near each switch board giving particulars of proper size of fuse for each circuit NONE USED.
 Are all switches and fuses constructed of incombustible materials and fitted on incombustible bases YES.

Total number of lights provided for 210 arranged in the following groups :-

A	<u>135</u>	lights each of <u>40 WATT</u>	candle power requiring a total current of _____	Amperes
B	<u>50</u>	lights each of <u>25 WATT</u>	candle power requiring a total current of _____	Amperes
C	<u>15</u>	lights each of <u>60 WATT</u>	candle power requiring a total current of _____	Amperes
D	<u>10</u>	lights each of <u>100 WATT</u>	candle power requiring a total current of _____	Amperes
E		lights each of _____	candle power requiring a total current of _____	Amperes
	<u>1</u>	Mast head light with <u>2</u> lamps each of <u>60 WATT</u>	candle power requiring a total current of _____	Amperes
	<u>2</u>	Side light with <u>2</u> lamps each of <u>60 WATT</u>	candle power requiring a total current of _____	Amperes
		Cargo lights of _____	candle power, whether incandescent or arc lights	

If arc lights, what protection is provided against fire, sparks, &c.

Where are the switches controlling the masthead and side lights placed MAIN SWITCHBOARD

DESCRIPTION OF CABLES.

See above

Main cable carrying <u>301</u> Amperes, comprised of <u>2</u> wires, each <u>1/0</u> <u>B&S</u> S.W.G. diameter, <u>.13118</u> square inches total sectional area
Branch cables carrying <u>18</u> Amperes, comprised of <u>2</u> wires, each <u>#10</u> <u>B&S</u> S.W.G. diameter, <u>.01634</u> square inches total sectional area
Branch cables carrying _____ Amperes, comprised of _____ wires, each _____ S.W.G. diameter, _____ square inches total sectional area
Leads to lamps carrying <u>4.8</u> Amperes, comprised of <u>2</u> wires, each <u>#14</u> <u>B&S</u> S.W.G. diameter, <u>.00642</u> square inches total sectional area
Cargo light cables carrying <u>3.6</u> Amperes, comprised of <u>2</u> wires, each <u>#14</u> <u>B&S</u> S.W.G. diameter, <u>.00642</u> square inches total sectional area

DESCRIPTION OF INSULATION, PROTECTION, ETC.

ALL WIRING THROUGHOUT VESSEL IS COMPOSED OF LEADED AND ARMORED CABLE.

Joints in cables, how made, insulated, and protected NO JOINTS MADE IN CABLE.

Are all the joints of cables thoroughly soldered, and the flux used not containing acids or other corrosive substances NONE Are all joints in accessible positions, none being made in bunks, cargo spaces, or spaces which may at any time be used for carrying cargo, stores, or baggage

Are there any joints in or branches from the cable leading from dynamo to main switch board NO.

How are the cables led through the ship, and how protected WHERE CABLES ARE LEAD THROUGH BEAMS ETC. LEAD BUSHINGS ARE PROVIDED FOR EACH HOLE DRILLED IN BEAMS.



