

REPORT ON ELECTRIC LIGHTING INSTALLATION. No. 4677. c

Port of *Amsterdam* Date of First Survey *12 July* Date of Last Survey *18 Nov 1910* No. of Visits *19*
 No. in on the ~~Steel~~ *S.S. Spitaroem* Port belonging to *Batavia*
 Reg. Book *15 in Supp* Built at *Amsterdam* By whom *Med Scheepbouw Maats* When built *1910*
 Owners *Java China Japan Lijn* Owners Address *Amsterdam*
 Yard No. *106* Electric Light Installation fitted by *Greeneveld, v. d. Poll & Co* When fitted *1910*

DESCRIPTION OF DYNAMO, ENGINE, ETC.

One Vertical Engine (Compound) direct coupled to dynamo and One Engine with one cylinder also direct coupled

Capacity of Dynamos *335 and 80* Amperes at *60 (low)* Volts, whether continuous or alternating current *Continuous double wire*

Where the Dynamos fixed *in Engine Room*

Position of Main Switch Board *Near dynamo's* having switches to groups *two Ventilators and 8* of lights, &c., as below

Positions of auxiliary switch boards and numbers of switches on each *Auxiliary switch boards are placed in the cabins having switches to 12 lamps.*

If cut outs are fitted on main switch board to the cables of main circuit *Yes* and on each auxiliary switch boards to the cables of auxiliary circuits *Yes* 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 cut outs fitted to both flow and return wires or cables of all circuits including lamp circuits *No*

Are the cut outs of non-oxidizable metal *Yes* and constructed to fuse at an excess of *100* per cent over the normal current

Are all cut outs 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 *Yes*

Are all switches and cut-outs constructed of incombustible materials and fitted on incombustible bases *Yes*

Total number of lights provided for *400* arranged in the following groups:—

A	<i>60</i>	lights each of <i>16—8 or 25</i>	candle power requiring a total current of	<i>58</i>	Amperes
	<i>40</i>	"	"	<i>32</i>	
B	<i>20</i>	lights each of	"	<i>18</i>	Amperes
	<i>40</i>	"	"	<i>52</i>	
C	<i>20</i>	lights each of	"	<i>26</i>	Amperes
	<i>20</i>	"	"	<i>25</i>	
D	<i>10</i>	lights each of	"	<i>18</i>	Amperes
	<i>20</i>	"	"	<i>20</i>	
E	<i>50</i>	lights each of	"	<i>24</i>	Amperes

Two Mast head light with *One* lamps each of *32* candle power requiring a total current of *2* Amperes

Two Side light with *One* lamps each of *25* candle power requiring a total current of *3* Amperes

Lighten Cargo lights of *5 x 16* candle power, whether incandescent or arc lights *Incandescent.*

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

Where are the switches controlling the masthead and side lights placed *in Chartroom*

DESCRIPTION OF CABLES.

Main cable carrying	<i>335</i>	Amperes, comprised of	wires, each	<i>250</i> ^{1/2} / _{in} L.S.G. diameter,	square inches total sectional area
Branch cables carrying	<i>55</i>	Amperes, comprised of	wires, each	<i>25</i> ^{1/2} / _{in} L.S.G. diameter,	square inches total sectional area
Branch cables carrying	<i>20</i>	Amperes, comprised of	wires, each	<i>16</i> ^{1/2} / _{in} L.S.G. diameter,	square inches total sectional area
Leads to lamps carrying	<i>1</i>	Amperes, comprised of	wires, each	<i>1 1/2</i> ^{1/2} / _{in} L.S.G. diameter,	square inches total sectional area
Cargo light cables carrying	<i>5</i>	Amperes, comprised of	wires, each	<i>2 1/4</i> ^{1/2} / _{in} L.S.G. diameter,	square inches total sectional area

DESCRIPTION OF INSULATION, PROTECTION, ETC.

Tinned Copper, One layer of para, two layers of Vulcanized rubber, One layer of ribbon, One layer of braided cotton, altogether vulcanized.

Joints in cables, how made, insulated, and protected *Joints in cables are screwed and fixed in Copper boxes.*

Are all the joints of cables thoroughly soldered, resin only having been used as a flux *—* Are all joints in accessible positions, none being made in bunkers, cargo spaces, or spaces which may at any time be used for carrying cargo, stores, or baggage *Yes*

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 *teak boxes and tubing*

