

	120 lights each of	32 candle power requiring a total current of 35 Amps.
	110 " " "	32 " " " " " " " " 33 "
	85 " " "	32 " " " " " " " " 25 "
	85 " " "	32 " " " " " " " " 25 "
	70 " " "	32 " " " " " " " " 21 "
	70 " " "	32 " " " " " " " " 21 "
	70 " " "	32 " " " " " " " " 21 "
	50 " " "	32 " " " " " " " " 15 "
	40 " " "	32 " " " " " " " " 12 "
J	50 fans	" " " " " " " " 25 "
K	46 "	" " " " " " " " 23 "
L	2 motors	" " " " " " " " 20 "
M	1 motor	" " " " " " " " 60 "
N	1 "	" " " " " " " " 25 "
O	wireless telegr.	" " " " " " " " 20 "
P	spare	



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Foundation

*Firma Van Rietschoten & Houwers*

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# REPORT ON ELECTRIC LIGHTING INSTALLATION. No. 9842

Port of Rotterdam Date of First Survey 8 Jun 1915 Date of Last Survey 14 October 1915 No. of Visits 5  
 No. in Reg. Book on the Iron or Steel S.S. Ecuador Port belonging to Amsterdam  
 Built at Flushing By whom Koninklijke Maatschappij "De Schelde" When built 1915  
 Owners Koninklijke West Indische Maatschappij Owners' Address Amsterdam  
 Yard No. 159 Electric Light Installation fitted by Mans. Van Ritschoten, Houtum When fitted 1915

## DESCRIPTION OF DYNAMO, ENGINE, ETC.

Two steam dynamo's, consisting of double acting compound engines, direct coupled to compound wound dynamo's

Capacity of Dynamo's 300 Amperes at 115 Volts, whether continuous or alternating current continuous

Where ~~is~~ Dynamo fixed in Engine room Whether single or double wire system is used double

Position of Main Switch Board in Engine room, near dynamo's having switches to groups 16 of lights, &c., as below

Positions of auxiliary switch boards and numbers of switches on each no auxiliary switchboards, only distribution boxes in different places, each with one double pole switch and one double pole fuse for the box and double pole fuses for each lamp circuit

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 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 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

Are all switches and fuses constructed of incombustible materials and fitted on incombustible bases Yes

Total number of lights provided for 100 lamps, 4 fans and 4 motors arranged in the following groups:

A	lights each of	candle power requiring a total current of	Amperes
B	lights each of	candle power requiring a total current of	Amperes
C	lights each of	candle power requiring a total current of	Amperes
D	lights each of	candle power requiring a total current of	Amperes
E	lights each of	candle power requiring a total current of	Amperes

2 Mast head light with 1 lamps each of 32 candle power requiring a total current of 0.6 Amperes

2 Side light with 1 lamps each of 32 candle power requiring a total current of 0.6 Amperes

10 Cargo lights of 2 lamps each of 32 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 chart room

## DESCRIPTION OF CABLES.

Main cable carrying	<u>60</u> Amperes, comprised of	<u>4</u> wires, each	<u>2.13</u> S.W.G. diameter,	<u>25</u> square inches total sectional area
Branch cables carrying	<u>25</u> Amperes, comprised of	<u>4</u> wires, each	<u>1.35</u> S.W.G. diameter,	<u>10</u> square inches total sectional area
Branch cables carrying	<u>6</u> Amperes, comprised of	<u>4</u> wires, each	<u>1.06</u> S.W.G. diameter,	<u>6</u> square inches total sectional area
Leads to lamps carrying	<u>0.5</u> Amperes, comprised of	<u>1</u> wires, each	<u>1.13</u> S.W.G. diameter,	<u>1</u> square inches total sectional area
Cargo light cables carrying	<u>5</u> Amperes, comprised of	<u>35</u> wires, each	<u>0.40</u> S.W.G. diameter,	<u>4</u> square inches total sectional area

## DESCRIPTION OF INSULATION, PROTECTION, ETC.

Timed copper wire, insulated with white and black vulcanised I.R., I.R. coated tape, braided cotton, Preservative compound. In engine room, stoke hold and from deck lead covered and armoured.

Joints in cables, how made, insulated, and protected no joints

Are all the joints of cables thoroughly soldered, and the flux used not containing acids or other corrosive substances Yes 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

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 in teakwood casings, except in engine room, stoke hold and from deck, where they are lead covered and armoured.



