

REPORT ON ELECTRIC LIGHTING INSTALLATION. No. 61631

Port of London Date of First Survey _____ Date of Last Survey 7/11/99 No. of Visits _____
 No. in Reg. Book 98 on the ~~Iron~~ Steel 88" Manxshire Port belonging to Glasgow
 Built at Newcastle By whom Hawthorn Leslie & Co When built 1894-11
 Owners El derlee & Co Ltd Owners' Address London
 Yard No. _____ Electric Light Installation fitted by Group Curtis & Co When fitted _____

DESCRIPTION OF DYNAMO, ENGINE, ETC.

One continuous current direct coupled engine & dynamo in combination bed plate

Capacity of Dynamo 200 Amperes at 60 Volts, whether continuous or alternating current continuous

Where is Dynamo fixed Top platform Engine room

Position of Main Switch Board Engine room having switches to groups four of lights, &c., as below

Positions of auxiliary switch boards and numbers of switches on each one in pantry

If cut outs 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 cut outs fitted to both flow and return wires or cables of all circuits including lamp circuits yes

Are the cut outs of non-oxidizable metal yes and constructed to fuse at an excess of varies with 100 amperes 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 _____

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

Total number of lights provided for 180 arranged in the following groups:—

A	<u>45</u>	lights each of	<u>16</u>	candle power requiring a total current of	<u>45</u>	Amperes
B	<u>45</u>	lights each of	<u>16</u>	candle power requiring a total current of	<u>45</u>	Amperes
C	<u>45</u>	lights each of	<u>16</u>	candle power requiring a total current of	<u>45</u>	Amperes
D	<u>45</u>	lights each of	<u>16</u>	candle power requiring a total current of	<u>45</u>	Amperes
E		lights each of		candle power requiring a total current of		Amperes
<u>1</u>	Mast head light with <u>1</u> lamp each of	<u>32</u>		candle power requiring a total current of	<u>1.8</u>	Amperes
<u>2</u>	Side light with <u>1</u> lamps each of	<u>32</u>		candle power requiring a total current of	<u>3.6</u>	Amperes
<u>5</u>	Cargo lights of	<u>7-16 & 5-16</u>		candle power, whether incandescent or arc lights	<u>incandescent</u>	

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

Where are the switches controlling the masthead and side lights placed Chart room

DESCRIPTION OF CABLES.

Main cable carrying 180 Amperes, comprised of 19/11 wires, each .116 L.S.G. diameter, 1.166 square inches total sectional area

Branch cables carrying 45 Amperes, comprised of 19/16 wires, each .064 L.S.G. diameter, .0624 square inches total sectional area

Branch cables carrying 45 Amperes, comprised of 19/16 wires, each .064 L.S.G. diameter, .0624 square inches total sectional area

Leads to lamps carrying 1 Amperes, comprised of 1 wires, each 20/16 L.S.G. diameter, .0032 square inches total sectional area

Cargo light cables carrying 7 Amperes, comprised of 60/30 wires, each .20 L.S.G. diameter, .012623 square inches total sectional area

DESCRIPTION OF INSULATION, PROTECTION, ETC.

All cables are lead covered & armoured, run in wood casing Insulation Resistance 1000 Megohms
Branch cables 2000 Megohms

Joints in cables, how made, insulated, and protected By best known methods

Are all the joints of cables thoroughly soldered, resin only having been used as a flux 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 No

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 wood casing & insulated with Ebonite bushes where led through bulkheads



