

REPORT ON ELECTRIC LIGHTING INSTALLATION. No. 22970

Port of *Hull* Date of First Survey *Sept 1st* Date of Last Survey *9th Sept 10* No. of Visits *6*
 No. in Reg. Book on the *Iron or Steel* *Se H. Southampton* Port belonging to
 Built at *Dartmouth* By whom *Philip & Son Ltd* When built *1910*
 Owners Owners' Address
 Yard No. Electric Light Installation fitted by *Messrs J. H. Holmes & Co* When fitted *1910*

DESCRIPTION OF DYNAMO, ENGINE, ETC.

One *four pole Castle Dynamo, compound wound. Coupled to D.A. high speed engine by Messrs Beavell & Co.*

Capacity of Dynamo *33* Amperes at *60* Volts, whether continuous or alternating current *continuous*

Where is Dynamo fixed *On Star side of Eng Room* Whether single or double wire system is used *both*

Position of Main Switch Board *near dynamo* having switches to groups *A B* of lights, &c., as below

Positions of auxiliary switch boards and numbers of switches on each *One S.P. 3 way fuseboard in E. Room*

One D.P. 4 way fuseboard in accommodation forward

One D.P. 2

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 *25* 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 *21* arranged in the following groups:—

A *Eng. Room* *7* lights each of *16* candle power requiring a total current of *6.5* Amperes

B *Ship* *24* lights each of *17* candle power requiring a total current of *13* Amperes

C *Eng. Room* *2* lights each of *19* candle power requiring a total current of *9.2* 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

Mast head light with lamps each of candle power requiring a total current of Amperes

Side light with lamps each of 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. *No arc lights fitted.*

Where are the switches controlling the masthead and side lights placed

DESCRIPTION OF CABLES.

Main cable carrying *33* Amperes, comprised of *19* wires, each *18* L.S.G. diameter, *.034* square inches total sectional area

Branch cables carrying *13* Amperes, comprised of *7* wires, each *18* L.S.G. diameter, *.0125* square inches total sectional area

Branch cables carrying *1.8* Amperes, comprised of *1* wires, each *18* L.S.G. diameter, *.0018* square inches total sectional area

Leads to lamps carrying *1.8* Amperes, comprised of *1* wires, each *18* L.S.G. diameter, *.0018* square inches total sectional area

Cargo light cables carrying Amperes, comprised of wires, each L.S.G. diameter, square inches total sectional area

DESCRIPTION OF INSULATION, PROTECTION, ETC.

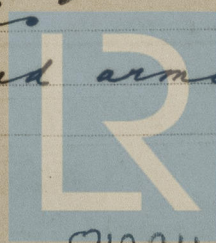
Tinned copper, pure rubber, vulcanised rubber taped & braided, and lead covered & armoured.

Joints in cables, how made, insulated, and protected *None*

Are all the joints of cables thoroughly soldered, resin only having been used as a flux *No joints* 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 *None*

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 *Lead covered and armoured and clipped up*



© 2021

Lloyd's Register Foundation

012211-012220-0293

