

# REPORT ON ELECTRIC LIGHTING INSTALLATION. No. 11790

Port of Hankow Date of First Survey 17/4.10 Date of Last Survey 12/12.10 No. of Visits 5  
 No. in Reg. Book 30 on the Iron or Steel double 6. Tonnage 400 Port belonging to East Asiatic  
 Built at Arreola By whom Larsen & Willems, Copenhagen When built 1910  
 Owners Societe de navigation a vapeur Owners' Address Copenhagen  
 Yard No. 335 Electric Light Installation fitted by the builders When fitted 1910

## DESCRIPTION OF DYNAMO, ENGINE, ETC.

Single Cylinder Steam Engine coupled direct to Leroy's Dynamo  
running at 750 revolutions p. minute.

Capacity of Dynamo 80 Amperes at 65 Volts, whether continuous or alternating current continuous

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

Position of Main Switch Board on the wall having switches to groups A, B, C, D, E of lights, &c., as below

Positions of auxiliary switch boards and numbers of switches on each —

Note: The search and sidelights are fitted double for the vessel to go ahead or astern, but can be switched in one direction only

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 — 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 14 arranged in the following groups:—

A Fore ship 4 lights each of 16 candle power requiring a total current of 1.8 Amperes

B Engine room 2 lights each of 16 candle power requiring a total current of 1.8 Amperes

C Searchlight 1 lights each of — candle power requiring a total current of 10.0 Amperes

D Sidelights 2 lights each of 25 candle power requiring a total current of 1.5 Amperes

E Aft ship 4 lights each of 16 candle power requiring a total current of 1.8 Amperes

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

(D) Side light with 1 lamps each of 25 candle power requiring a total current of 1.8 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 Switch board

## DESCRIPTION OF CABLES.

Main cable carrying 20 Amperes, comprised of 1 wires, each — L.S.G. diameter, 12 square inches total sectional area

Branch cables carrying 10 Amperes, comprised of 1 wires, each — L.S.G. diameter, 8 square inches total sectional area

Branch cables carrying 1.8 Amperes, comprised of 1 wires, each — L.S.G. diameter, 1.5 square inches total sectional area

Leads to lamps carrying 4.5 Amperes, comprised of 1 wires, each — L.S.G. diameter, 1.5 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.

Copper wires tinned, coated with Pure rubber tape backed,  
covered with caulkum and tape, lead covered with hemp spars.

Joints in cables, how made, insulated, and protected soldered and covered with caulkum  
and impregnated hemp tape.

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 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 unsupported except in wooden cable trays  
where they are protected by wood bales.



