

# REPORT ON ELECTRIC LIGHTING INSTALLATION. No. 40157.

Port of Glasgow Date of First Survey 25/5/20 Date of Last Survey 25/6/20 No. of Visits 4  
 No. in on the Iron or Steel SS Poljana Port belonging to Chetiania  
 Reg. Book 8/0183 Built at Arrossan By whom Arrossan Shipbuilding Co When built 1920  
 Owners Messrs Winge & Co. Owners' Address \_\_\_\_\_  
 Yard No. 309 Electric Light Installation fitted by Telford Grier & Mackay When fitted 1920

## DESCRIPTION OF DYNAMO, ENGINE, ETC.

Enclosed forced lubrication engine direct coupled to compound wound dynamo  
 Capacity of Dynamo 120 Amperes at 100 Volts, whether continuous or alternating current Cont.  
 Where is Dynamo fixed Stbd Engine room Whether single or double wire system is used double  
 Position of Main Switch Board Stbd Engine room having switches to groups 6 of lights, &c., as below  
 Positions of auxiliary switch boards and numbers of switches on each none

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

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 yes

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

Total number of lights provided for 141 arranged in the following groups:—

A Cargo	30	lights each of	16	candle power requiring a total current of	15	Amperes
B Navigation	12	lights each of	various	candle power requiring a total current of	11	Amperes
C Engines	26	lights each of	16	candle power requiring a total current of	13	Amperes
D Accommodation	73	lights each of	30 watt	candle power requiring a total current of	22	Amperes
E		lights each of		candle power requiring a total current of		Amperes
2 Mast head light	2	lamps each of	32	candle power requiring a total current of	2	Amperes
2 Side light	2	lamps each of	32	candle power requiring a total current of	2	Amperes
5 Cargo lights		of each	96	candle power, whether incandescent or arc lights	Incand.	

If arc 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	120	Amperes, comprised of	37	wires, each	14	S.W.G. diameter,	.182	square inches total sectional area
Branch cables carrying	22	Amperes, comprised of	7	wires, each	14	S.W.G. diameter,	.034	square inches total sectional area
Branch cables carrying	11	Amperes, comprised of	7	wires, each	18	S.W.G. diameter,	.012	square inches total sectional area
Leads to lamps carrying	2	Amperes, comprised of	1	wires, each	17	S.W.G. diameter,	.002	square inches total sectional area
Cargo light cables carrying	3	Amperes, comprised of	1	wires, each	14	S.W.G. diameter,	.005	square inches total sectional area

## DESCRIPTION OF INSULATION, PROTECTION, ETC.

Armoured & braided cable used in all spaces except cabins and bridge which are wired with lead covered cable  
 Cables are protected by iron pipes when liable to injury.

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 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 Through chain holes in beams & clipped to decks or casing with iron clips. Protected by sheet iron.



