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REPORT ON ELECTRIC LIGHTING INSTALLATION. No. 41075.

Port of Glasgow. Date of First Survey 18. 9. 1920 Date of Last Survey 30. 3. 1921 No. of Visits 5
 No. in on the Iron or Steel S.S. "ARDMORE" Port belonging to London.
 Reg. Book 44386 S. Built at Ardrassan By whom The Ardrassan D.D.B. Co. When built 1921.
 Owners City of Cork Steam Packet Co. Owners' Address
 Yard No. 308 Electric Light Installation fitted by Messrs Campbell & Sherwood When fitted 1921.

DESCRIPTION OF DYNAMO, ENGINE, ETC.

Total K.W. on Vessel = 40.

2 - Howdens totally enclosed engines directly coupled to
 2 - C & I. Ltd. 4 Pole Compound Wound Dynamos.

Capacity of Dynamos 200 Amperes at 100 Volts, whether continuous or alternating current ContinuousWhere is Dynamo fixed Engine Room Whether single or double wire system is used singlePosition of Main Switch Board do. having switches to groups seven of lights, &c., as belowPositions of auxiliary switch boards and numbers of switches on each Engine Room 18 Switches
Chart 13

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 80 per cent over the normal currentAre all fuses fitted in easily accessible positions Yes Are the fuses of standard dimensions Yes If wire fuses are usedare permanent instructions fitted on or near each switch board giving particulars of proper size of fuse for each circuit YesAre all switches and fuses constructed of incombustible materials and fitted on incombustible bases YesTotal number of lights provided for 240 arranged in the following groups :-

A	44	lights each of	16	candle power requiring a total current of	22	Amperes
B	22	lights each of	16	candle power requiring a total current of	11	Amperes
C	22	lights each of	16	candle power requiring a total current of	11	Amperes
D	48	lights each of	16	candle power requiring a total current of	24	Amperes
E	36	lights each of	16	candle power requiring a total current of	18	Amperes
2	Mast head light with	2 lamps each of	32	candle power requiring a total current of	2	Amperes
2	Side light with	2 lamps each of	32	candle power requiring a total current of	2	Amperes
4	Cargo lights of	2 at 6-16	2-1/2 Watt	candle power, whether incandescent or arc lights	Incandescent.	

If arc lights, what protection is provided against fire, sparks, &c. no arc lamps fittedWhere are the switches controlling the masthead and side lights placed Chart Room

DESCRIPTION OF CABLES.

Main cable carrying 200 Amperes, comprised of 37 wires, each .092 S.W.G. diameter, .2431 square inches total sectional area
 Branch cables carrying 22 Amperes, comprised of 4 wires, each .036 S.W.G. diameter, .0040 square inches total sectional area
 Branch cables carrying 24 Amperes, comprised of 4 wires, each .036 S.W.G. diameter, .0040 square inches total sectional area
 Leads to lamps carrying 5 Amperes, comprised of 1 wires, each .044 S.W.G. diameter, .0015 square inches total sectional area
 Cargo light cables carrying 3 Amperes, comprised of 108 wires, each .40 S.W.G. diameter, — square inches total sectional area

DESCRIPTION OF INSULATION, PROTECTION, ETC.

Lead Covered Armoured Braid.Joints in cables, how made, insulated, and protected no jointsAre all the joints of cables thoroughly soldered, and the flux used not containing acids or other corrosive substances — 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 noAre there any joints in or branches from the cable leading from dynamo to main switch board noHow are the cables led through the ship, and how protected L.C. & B.

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