

REPORT ON ELECTRIC LIGHTING INSTALLATION.

No. 82660

Port of Liverpool Date of First Survey Aug 8th Date of Last Survey Aug 18th No. of Visits 5
 No. 1679 on the Iron or Steel T.S.S. Seythia Port belonging to Liverpool
 Built at Barrow in Furness By whom Dickers Ltd When built 1921
 Owners Canard S.S. Co Owners' Address Canard Building Liverpool
 Card No. 493 Electric Light Installation fitted by Dickers Ltd When fitted 1921

DESCRIPTION OF DYNAMO, ENGINE, ETC.

See Barrow Report 1895.

Capacity of Dynamo ☒ Amperes at ☒ Volts, whether continuous or alternating current ☒
 Where is Dynamo fixed ☒ Whether single or double wire system is used ☒
 Position of Main Switch Board ☒ having switches to groups ☒ of lights, &c., as below
 Positions of auxiliary switch boards and numbers of switches on each ☒
 If fuses are fitted on main switch board to the cables of main circuit ☒ and on each auxiliary switch board to the cables of auxiliary circuits ☒ and at each position where a cable is branched or reduced in size ☒ and to each lamp circuit ☒
 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-oxidisable metal ☒ and constructed to fuse at an excess of ☒ per cent over the normal current
 Are all fuses fitted in easily accessible positions ☒ 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 fuses constructed of incombustible materials and fitted on incombustible bases ☒
 Total number of lights provided for ☒ arranged in the following groups:—
 A. ☒ lights each of ☒ candle power requiring a total current of ☒ Amperes
 B. ☒ lights each of ☒ candle power requiring a total current of ☒ Amperes
 C. ☒ lights each of ☒ candle power requiring a total current of ☒ 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. ☒

Where are the switches controlling the masthead and side lights placed ☒

DESCRIPTION OF CABLES.

Main cable carrying <input checked="" type="checkbox"/>	Amperes, comprised of <input checked="" type="checkbox"/>	wires, each <input checked="" type="checkbox"/>	S.W.G. diameter, <input checked="" type="checkbox"/>	square inches total sectional area <input checked="" type="checkbox"/>
Branch cables carrying <input checked="" type="checkbox"/>	Amperes, comprised of <input checked="" type="checkbox"/>	wires, each <input checked="" type="checkbox"/>	S.W.G. diameter, <input checked="" type="checkbox"/>	square inches total sectional area <input checked="" type="checkbox"/>
Branch cables carrying <input checked="" type="checkbox"/>	Amperes, comprised of <input checked="" type="checkbox"/>	wires, each <input checked="" type="checkbox"/>	S.W.G. diameter, <input checked="" type="checkbox"/>	square inches total sectional area <input checked="" type="checkbox"/>
Leads to lamps carrying <input checked="" type="checkbox"/>	Amperes, comprised of <input checked="" type="checkbox"/>	wires, each <input checked="" type="checkbox"/>	S.W.G. diameter, <input checked="" type="checkbox"/>	square inches total sectional area <input checked="" type="checkbox"/>
Cargo light cables carrying <input checked="" type="checkbox"/>	Amperes, comprised of <input checked="" type="checkbox"/>	wires, each <input checked="" type="checkbox"/>	S.W.G. diameter, <input checked="" type="checkbox"/>	square inches total sectional area <input checked="" type="checkbox"/>

DESCRIPTION OF INSULATION, PROTECTION, ETC.

Joints in cables, how made, insulated, and protected ☒

Are 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 ☒

Are there any joints in or branches from the cable leading from dynamo to main switch board ☒

How are the cables led through the ship, and how protected ☒



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DESCRIPTION OF INSULATION, PROTECTION, ETC.—continued.

Are they in places always accessible ☒

What special protection has been provided for the cables in open alleyways or where exposed to weather or moisture ☒

What special protection has been provided for the cables near galleys or oil lamps or other sources of heat ☒

What special protection has been provided for the cables near boiler casings ☒

What special protection has been provided for the cables in engine room ☒

How are cables carried through beams ☒

through bulkheads, &c. ☒

How are cables carried through decks ☒

Are any cables run through coal bunkers ☒

or cargo spaces ☒

or spaces which may be used for carrying cargo, stores, or baggage ☒

If so, how are they protected ☒

Are any lamps fitted in coal bunkers or spaces which may at times be used for cargo, coals, or baggage ☒

If so, how are the lamp fittings and cable terminals specially protected ☒

Where are the main switches and fuses for these lights fitted ☒

If in the spaces, how are they specially protected ☒

Are any switches or fuses fitted in bunkers ☒

Cargo light cables, whether portable or permanently fixed ☒

How fixed ☒

In vessels fitted on the single wire system, how is the dynamo terminal fixed to the hull of vessel ☒

How are the returns from the lamps connected to the hull ☒

Are all the joints with the hull in accessible positions ☒

Is the installation supplied with a voltmeter ☒

and with an amperemeter ☒

, fixed ☒

VESSELS BUILT FOR CARRYING PETROLEUM.

In vessels built for carrying petroleum, are all switches and fuses fitted in positions not liable to the accumulation of petroleum vapour or gas ☒

Are any switches, fuses, or joints of cables fitted in the pump room or companion ☒

How are the lamps specially protected in places liable to the accumulation of vapour or gas ☒

The copper used is guaranteed to have a conductivity of not less than that of the Engineering Standards Committee's standard, and the wires are protected by tinning from the sulphur compounds present in the insulating material.

Insulation of cables is guaranteed to have a resistance of not less than ☒ megohms per statute mile at 60° Fahrenheit after 24 hours' immersion in water, the test being made after one minute's electrification at not less than 500 volts and while the cable is still immersed.

The foregoing statements are a correct description of the Electric Light installation fitted by us on this vessel and we declare that it is at this date in good order and safe working condition.

Electrical Engineers

Date

COMPASSES.

Distance between dynamo or electric motors and standard compass ☒

Distance between dynamo or electric motors and steering compass ☒

The nearest cables to the compasses are as follows:—

A cable carrying ☒

Amperes

feet from standard compass

feet from steering compass

A cable carrying ☒

Amperes

feet from standard compass

feet from steering compass

A cable carrying ☒

Amperes

feet from standard compass

feet from steering compass

Have the compasses been adjusted with and without the electric installation at work at full power ☒

The maximum deviation due to electric currents, etc., was found to be ☒

degrees on

course in the case of the

standard compass and

degrees on

course in the case of the steering compass. ☒

Builder's Signature.

Date

GENERAL REMARKS.

This installation, for particulars of which see B/R 1895, has now been completed, the wiring in the 1st & 2nd class passages, accommodation, having been carried out, governing gear on the main turbo generator installed & adjusted & cut out and governing table found satisfactory. The vessel is now eligible in my opinion for record of electric light in Register book. J. B. Milton.

It is submitted that

this vessel is eligible for

THE RECORD

Electric Light Recd 7/9/21

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

LIVERPOOL. - 6 SEP 1921

Electric Light.

FRI MAR 24 1922

J. B. Milton



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