

DESCRIPTION OF INSULATION, PROTECTION, ETC.—continued.

Are they in places always accessible Yes

What special protection has been provided for the cables in open alleyways or where exposed to weather or moisture Run in conduit or lead covered, armoured & braided cables fitted

What special protection has been provided for the cables near galleys or oil lamps or other sources of heat Lead covered, armoured & braided cables fitted

What special protection has been provided for the cables near boiler casings Lead covered, armoured & braided cables fitted

What special protection has been provided for the cables in engine room Lead covered, armoured & braided cables fitted

How are cables carried through beams Fibre Ferrules through bulkheads, &c. or fibre ferrules fitted

How are cables carried through decks Iron Pipes

Are any cables run through coal bunkers No or cargo spaces Yes or spaces which may be used for carrying cargo, stores, or baggage Yes

If so, how are they protected Lead covered, armoured & braided cables in wood casing

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

If so, how are the lamp fittings and cable terminals specially protected Cast Iron Connection Boxes

Where are the main switches and fuses for these lights fitted Engine Room

If in the spaces, how are they specially protected —

Are any switches or fuses fitted in bunkers No

Cargo light cables, whether portable or permanently fixed Permanently How fixed Secured by clips

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 Yes and with an amperemeter Yes, fixed Yes

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 2,500 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.

Hawthorn Leslie & Co Ltd Electrical Engineers Date 1/10/19

COMPASSES.

Distance between dynamo or electric motors and standard compass 82 feet

Distance between dynamo or electric motors and steering compass 80 "

The nearest cables to the compasses are as follows:—

A cable carrying <u>Lighting cables</u> 6 Amperes <u>of compass</u>	<u>4</u> feet from standard compass	<u>4</u> feet from steering compass
A cable carrying <u>Feeds to Navigation D.B.</u> 13 Amperes	<u>8</u> feet from standard compass	<u>6</u> feet from steering compass
A cable carrying <u>—</u> Amperes	<u>—</u> feet from standard compass	<u>—</u> 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.

R. & W. HAWTHORN, LESLIE & CO LIMITED.

John Baty Builder's Signature. Date 1st Oct. 1919.

GENERAL REMARKS.

The Electrical Installation is in accordance with the Society's Rules. It has been tested and found satisfactory

It is submitted that this vessel is eligible for THE RECORD. Elec. Light.

JWR
21/1/20

W.T. Badger
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.

Im. 6. 18.—Transfer.



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