



**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 Cables protected by lead covering, steel armouring and braided overall, those on exposed decks further protected by steel pipes.

What special protection has been provided for the cables near galleys or oil lamps or other sources of heat Lead served armoured and braided.

What special protection has been provided for the cables near boiler casings Lead served armoured and braided.

What special protection has been provided for the cables in engine room Lead served armoured and braided.

How are cables carried through beams beams bushed with lead through bulkheads, &c. in glands if No. 7, otherwise lead bushed.

How are cables carried through decks in non deck pipes.

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

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 No.

Cargo light cables, whether portable or permanently fixed portable 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 Yes, and with an amperemeter Yes, fixed on Switchboard.

**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 Yes.

Are any switches, fuses, or joints of cables fitted in the pump room or companion No.

How are the lamps specially protected in places liable to the accumulation of vapour or gas Lamps in Gas-tight fittings.

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 600 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 22/6/25

**COMPASSES.**

Distance between dynamo or electric motors and standard compass 216 feet from Dynamo & 20 ft to Wireless Rotary.

Distance between dynamo or electric motors and steering compass 214 " " " & 144 " " "

The nearest cables to the compasses are as follows:—

A cable carrying	<u>3</u>	Amperes	<u>8</u>	feet from standard compass	<u>5</u>	feet from steering compass
A cable carrying	<u>2.24</u>	Amperes	<u>12</u>	feet from standard compass	<u>6</u>	feet from steering compass
A cable carrying	<u>11.6</u>	Amperes	<u>20</u>	feet from standard compass	<u>12</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 Nil degrees on all course in the case of the standard compass and Nil degrees on all course in the case of the steering compass.

HW Builder's Signature. See above. Date

**GENERAL REMARKS.**

This installation has been fitted in accordance with the Rules & was tried under full load conditions.

William B. Little  
Surveyor to Lloyd's Register of Shipping.

15c, 1.16.—Transfer.

Committee's Minute TUES. 21 JUL 1925



THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.