



**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 galvanised pipe  
where pipes in weather

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

What special protection has been provided for the cables near boiler casings Lead covered in Conduit

What special protection has been provided for the cables in engine room Lead covered in Conduit

How are cables carried through beams Lead bushes through bulkheads, &c. Lead bushes

How are cables carried through decks Deck Tubes

Are any cables run through coal bunkers Yes 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 in Conduit

Are any lamps fitted in coal bunkers or spaces which may at times be used for cargo, coals, or baggage No

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 Plugs in masts

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

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

Are all the joints with the hull in accessible positions No joints

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 \_\_\_\_\_ 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.

Sutherland & Ashman Electrical Engineers Date 23<sup>rd</sup> Feb, 1920  
Per E. L. Ray

**COMPASSES.**

Distance between dynamo or electric motors and standard compass 175 feet approx:

Distance between dynamo or electric motors and steering compass 165 feet approx:

The nearest cables to the compasses are as follows:—

A cable carrying	24	Amperes	15	feet from standard compass	10	feet from steering compass
A cable carrying	46	Amperes	30	feet from standard compass	20	feet from steering compass
A cable carrying	24	Amperes	45	feet from standard compass	30	feet from steering compass

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

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.

A. M. Bompfrey Builder's Signature. Date 20.2.20.

**GENERAL REMARKS.**

On completion of the Electric installation in the vessel a full power test for a period of four hours was made on plant and circuits and every thing was found to be satisfactory and in good order throughout.

H. T. Spence  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI AUG 13 1920 FRI NOV 4 1920 TUE MAR 22 1921 FRI APR 15 1921

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.

50,118—Transfer.

