





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 *Lead covered, armoured, & braided cables used in alleyways, Iron pipes to exposed deck lights*

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

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

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

How are cables carried through beams *Lead bushes for lead covered cables* through bulkheads, &c. *W/F glands below Shelter Deck*

How are cables carried through decks *Iron Deck 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* *Iron Deck*

If so, how are they protected *Lead covered armoured & braided cables used*

Are any lamps fitted in coal bunkers or spaces which may at times be used for cargo, coals, or baggage *yes* *Iron Deck, Special Fittings*

If so, how are the lamp fittings and cable terminals specially protected *Fittings have iron guards & hinged iron covers*

Where are the main switches and fuses for these lights fitted *Switchboard 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 *both* How fixed *Iron pipes on Derrick posts*

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 *—*

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 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.

P. S. Glover, Electrical Engineer

Date 18th September 1922

COMPASSES.

Distance between dynamo or electric motors and standard compass *Approx 140 ft*

Distance between dynamo or electric motors and steering compass *130 ft*

The nearest cables to the compasses are as follows:—

A cable carrying	Amperes	feet from standard compass	feet from steering compass
6	3 ft	—	—
3	inside	—	—
—	—	—	—

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

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.

P. S. Glover, Electrical Engineer

Builder's Signature.

Date

18th Sept 1922

GENERAL REMARKS.

This installation has been fitted in accordance with the Rules: is of good materials and workmanship and on completion was examined under full working conditions and found satisfactory. It is submitted that this vessel is eligible for THE RECORD. Elec. light.

The £22-10-0.

applied for 2/9/22  
Received

Wm Morrison  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Elec. light

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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