

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 cov'd in Galv'd Tubes*

What special protection has been provided for the cables near galleys or oil lamps or other sources of heat *Lead & Arm'd*

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 *Compo Bushes* through bulkheads, &c. *W/T Glands*

How are cables carried through decks *Galv'd Iron 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 *Yes*

If so, how are they protected *Lead cov'd*

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 *Adaptors*

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 *Double Enclosures*

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.

A. S. Robertson & Co. Electrical Engineers

Date *25th Oct '21*

COMPASSES.

Distance between dynamo or electric motors and standard compass *150 ft*

Distance between dynamo or electric motors and steering compass *150 ft*

The nearest cables to the compasses are as follows:—

A cable carrying *25* Amperes *10* feet from standard compass *10* feet from steering compass

A cable carrying *—* Amperes *—* feet from standard compass *—* feet from steering compass

A cable carrying *.3* Amperes *into* feet from standard compass *.3 into* feet from steering compass

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 *every* course in the case of the standard compass and *Nil* degrees on *every* course in the case of the steering compass.

LITHGOWS LIMITED.

W. S. Allan

Builder's Signature.

Date *28th October '21*

GENERAL REMARKS.

Director & Secretary

The above installation has been fitted in a satisfactory manner. The workmanship and materials, so far as can be seen, are sound and good and proved satisfactory on test.

It is submitted that

7.5 K.W.

For £7-10-0.

this vessel is suitable for

THE RECORD.

Elec. Light.

L. W. Lane

12/11/21

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW 1 NOV 1921

Elec. Light

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