

DESCRIPTION OF INSULATION, PROTECTION, ETC.—continued.

Are they in places always accessible Yes, with the exception of breasthead where extension is placed at base of mast.

What special protection has been provided for the cables in open alleyways or where exposed to weather or moisture The lead sheathing providing the necessary protection

What special protection has been provided for the cables near galleys or oil lamps or other sources of heat Cables where not armoured are laid on wood grounds.

What special protection has been provided for the cables near boiler casings Cables are armoured + served overall with asbestos.

What special protection has been provided for the cables in engine room Armoured cables used

How are cables carried through beams Clear holes drilled + glands through bulkheads, etc. where necessary

How are cables carried through decks In W. Iron deck tubes packed with oakum + pitch

Are any cables run through coal bunkers yes or cargo spaces yes or spaces which may be used for carrying cargo, stores, or baggage

If so, how are they protected Covered with steel wire armour.

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

If so, how are the lamp fittings and cable terminals specially protected with strong iron guards.

Where are the main switches and fuses for these lights fitted Outside cargo space.

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

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.

A. V. DUNLOP & CO.

Electrical Engineers

Date 31 AUG 1921

COMPASSES.

Distance between dynamo or electric motors and standard compass 110 ft.

Distance between dynamo or electric motors and steering compass 100 ft.

The nearest cables to the compasses are as follows:—

A cable carrying 6 Amperes for lighting feet from standard compass for lighting feet from steering compass

A cable carrying _____ Amperes _____ feet from standard compass _____ feet from steering compass

A cable carrying _____ Amperes _____ feet from standard compass _____ feet from steering compass

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

The maximum deviation due to electric currents, etc., was found to be nil degrees on any course in the case of the standard compass and nil degrees on any course in the case of the steering compass.

WILLIAM HAMILTON & CO., LIMITED.

Mr. Andrew Murray

Builder's Signature.

Date 2 September 1921.

GENERAL REMARKS.

This installation has been fitted on board under special survey. Tested under full working conditions + found satisfactory

FREE £10.0.0 of 6/9/21.

Elec Light
Bell
8/9/21

J. S. Rankin

Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

GLASGOW.

6-SEP-1921

Elec Light



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