

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 Metal Conduits

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

What special protection has been provided for the cables near ~~light~~ casings Metal Conduits

What special protection has been provided for the cables in engine room Metal Conduits

How are cables carried through beams None through bulkheads, &c Metal Conduits & WT fitting

How are cables carried through decks Metal Conduits with water tight fittings

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

If so, how are they protected Metal Conduits

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

If so, how are the lamp fittings and cable terminals specially protected plug boxes and water tight fittings

Where are the main switches and fuses for these lights fitted Switchboard in Engine room

If in the spaces, how are they specially protected ✓

Are any switches or fuses fitted in bunkers ✓

Cargo light cables, whether portable or permanently fixed Portable How fixed Plug Connections

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 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. F. Marshall for Electrical Eng. Electrical Engineers Date Nov 19-1919

COMPASSES.

Distance between dynamo or electric motors and standard compass 150 feet

Distance between dynamo or electric motors and steering compass 144 feet

The nearest cables to the compasses are as follows:—

A cable carrying <u>3</u> Amperes	<u>8</u> feet from standard compass	<u>2</u> 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 yes

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

A. F. Marshall Jan Supt Builder's Signature. Date Nov-19-1919
Patterson Macdonald
S.B. Co

GENERAL REMARKS.

The Electric Lighting installation of good quality and workmanship, tested under working conditions and found satisfactory. Eligible in my opinion, to be noted in the Register Book.

It is submitted that this vessel is eligible for THE RECORD

Committee's Minute

New York DEC - 2 1919

Enc RP

James Fowler
Surveyor to Lloyd's Register of Shipping.

