

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 wire.
Cased in wooden or metal cover

What special protection has been provided for the cables near galleys or oil lamps or other sources of heat Covered with metal or Armoured galv. wire

What special protection has been provided for the cables near boiler casings Armoured galvanized wire.

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

How are cables carried through beams Protected by lead tube through bulkheads, &c. watertight metal.

How are cables carried through decks metal cover or Porosa tube & keeping watertightness.

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 Iron cover in coal bunkers. Armoured galv wire in cargo hold.

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

If so, how are the lamp fittings and cable terminals specially protected By metal guard.

Where are the main switches and fuses for these lights fitted in Eng. 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 Portable How fixed By plug to socket in flat iron box.

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 Main Switch board

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.

J. Hintz Electrical Engineers Date

COMPASSES.

Distance between dynamo or electric motors and standard compass about 100'0"

Distance between dynamo or electric motors and steering compass " 120'0"

The nearest cables to the compasses are as follows:—

A cable carrying	<u>0.33</u> Amperes	<u>2</u> feet from standard compass	<u>3</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

The maximum deviation due to electric currents, etc., was found to be _____ degrees on _____ course in the case of the standard compass and OSAKA IRON WORKS LTD. degrees on _____ course in the case of the steering compass.

Yamaquchi Builder's Signature. Date

GENERAL REMARKS.

The installation has been fitted in accordance with the requirements of the Rules & worked well on trial.

It is submitted that this vessel is eligible for THE RECORD. Elec. light.

JWR 12/7/17

A. L. Jones
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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