



**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 Galvanized iron pipes or galvanized iron wire armouring.

What special protection has been provided for the cables near galleys or oil lamps or other sources of heat Galvanized iron wire armouring.

What special protection has been provided for the cables near boiler casings Galvanized iron wire armouring.

What special protection has been provided for the cables in engine room Galvanized iron wire armouring or galvanized iron pipes.

How are cables carried through beams Through lead bushes through bulkheads, &c. Water tight packing glands.

How are cables carried through decks Galvanized iron deck tubes.

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 Galvanized iron wire armouring or galvanized iron pipes.

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 cut outs for these lights fitted

If in the spaces, how are they specially protected

Are any switches or cut outs fitted in bunkers No.

Cargo light cables, whether portable or permanently fixed Portable How fixed Fibre fork and connector

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

**VESSELS BUILT FOR CARRYING PETROLEUM.**

In vessels built for carrying petroleum, are all switches and cut-outs fitted in positions not liable to the accumulation of petroleum vapour or gas

Are any switches, cut outs, 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 installation is \_\_\_\_\_ supplied with a voltmeter and \_\_\_\_\_ an amperemeter, fixed on Main Switch board

The copper used is guaranteed to have a conductivity of 99.6 per cent. that of pure copper.

Insulation of cables is guaranteed to have a resistance of not less than 600 megohms per statute mile after 24 hours' immersion in seawater.

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.

NAGASAKI WORKS, MITSUBISHI ZOSSEN KAISHA, LTD.

*[Signature]*  
GENERAL MANAGER

Electrical Engineers

Date 7th Feb 1920

**COMPASSES.**

Distance between dynamo or electric motors and standard compass 82ft from dynamo.

Distance between dynamo or electric motors and steering compass 82ft from dynamo

The nearest cables to the compasses are as follows:—

A cable carrying <u>5.6</u> Amperes	<u>7</u> feet from standard compass	<u>16</u> feet from steering compass
A cable carrying <input checked="" type="checkbox"/> Amperes	<input checked="" type="checkbox"/> feet from standard compass	<input checked="" type="checkbox"/> feet from steering compass
A cable carrying <input checked="" type="checkbox"/> Amperes	<input checked="" type="checkbox"/> feet from standard compass	<input checked="" type="checkbox"/> 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 any course in the case of the standard compass and nil degrees on any course in the case of the steering compass.

NAGASAKI WORKS, MITSUBISHI ZOSSEN KAISHA, LTD.

*[Signature]*  
GENERAL MANAGER

Builder's Signature.

Date 7th Feb 1920

**GENERAL REMARKS.**

This Electric Installation has been fitted in accordance with the Rules, tested, and found satisfactory.

It is submitted that this vessel is eligible for THE RECORD ELEC. LIGHT

6/4/20

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

Committee's Minute FRI APP 9/1920

REPORT FORM No. 13.

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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