

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 since and
announced in Galley iron pipes in part ✓

What special protection has been provided for the cables near galleys or oil lamps or other sources of heat Lead covered since, announced ✓

What special protection has been provided for the cables near boiler casings Lead covered since & announced ✓

What special protection has been provided for the cables in engine room Lead covered since & announced ✓

How are cables carried through beams In fibre jerruses ✓ through bulkheads, &c. In fibre jerruses & stands ✓

How are cables carried through decks In Galley iron pipes lined with fibre ✓

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 covered since & announced ✓

Are any lamps fitted in coal bunkers or spaces which may at times be used for cargo, coals, or baggage 2 lit only under bridge deck ✓

If so, how are the lamp fittings and cable terminals specially protected Strong cast iron fittings & hinges covered ✓

Where are the main switches and cut outs for these lights fitted In engine room & branch switches in Fidelity ✓

If in the spaces, how are they specially protected no

Are any switches or cut outs fitted in bunkers no

Cargo light cables, whether portable or permanently fixed portable How fixed no

In vessels fitted on the single wire system, how is the dynamo terminal fixed to the hull of vessel By large brass stud & locked on ✓

How are the returns from the lamps connected to the hull By 3/8" Brass (tinna) screw - dynamo pole piece ✓

Are all the joints with the hull in accessible positions yes ✓

The installation is no supplied with a voltmeter and with ✓ an amperemeter, fixed on switch board ✓

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 no

Are any switches, cut outs, 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 no

The copper used is guaranteed to have a conductivity of 98 ✓ per cent. that of pure copper.

Insulation of cables is guaranteed to have a resistance of not less than 2500 ✓ 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.

A. J. Robertson & Co Electrical Engineers Date 3rd February 1910

COMPASSES.

Distance between dynamo or electric motors and standard compass 96 Feet

Distance between dynamo or electric motors and steering compass 106 Feet

The nearest cables to the compasses are as follows:—

A cable carrying	<u>29</u>	Amperes	<u>14</u>	feet from standard compass	<u>20</u>	feet from steering compass
A cable carrying	<u>1</u>	Amperes	<u>5</u>	feet from standard compass	<u>4</u>	feet from steering compass
A cable carrying	<u>0</u>	Amperes	<u>into</u>	feet from standard compass	<u>into</u>	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.

PRO WORKMAN, CLARK & CO., LIMITED,

Builder's Signature. Date

GENERAL REMARKS.

This installation appears to be of good description, and has been fitted in accordance with the Rules

It is submitted that this vessel is eligible for THE RECORD. Elec. light. J.W.D. 24/2/10

R. J. Brown & Co
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.

REPORT FORM No. 13.—8th Ed.

