

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 armoured and braided cables

What special protection has been provided for the cables near galleys or oil lamps or other sources of heat Lead covered armoured & braided.

What special protection has been provided for the cables near boiler casings None fitted near casings

What special protection has been provided for the cables in engine room Lead covered armoured and braided

How are cables carried through beams Holes bushed with fibre through bulkheads, &c. Watertight packing glands

How are cables carried through decks In deck tubes made watertight

Are any cables run through coal bunkers no or cargo spaces no or spaces which may be used for carrying cargo, stores, or baggage no

If so, how are they protected -----

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 fuses for these lights fitted -----

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 watertight boxes

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 Main 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 2,500 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.

P. Pro The Sunderland Forge & Engineering Co. Ltd.

R. H. Gough

Electrical Engineers

Date 28th June, 1922.

COMPASSES.

Distance between dynamo or electric motors and standard compass 120 feet

Distance between dynamo or electric motors and steering compass 116 "

The nearest cables to the compasses are as follows:—

A cable carrying <u>6.2</u> Amperes <u>10</u> feet from standard compass	<u>6</u> feet from steering compass
A cable carrying <u>.2</u> Amperes <u>2</u> feet from standard compass	<u>2</u> feet from steering compass
A cable carrying <u> </u> Amperes <u> </u> feet from standard compass	<u> </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 all courses in the case of the standard compass and Nil degrees on all courses in the case of the steering compass.

W. H. H. H. H. Builder's Signature. Date 30th June 1922

GENERAL REMARKS.

This installation is 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.

L. H. 5/7/22

R. P. B. B. B. Surveyor to Lloyd's Register of Shipping.

Committee's Minute

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.