





**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 piping

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

What special protection has been provided for the cables near boiler casings Lead covered and steel armoured

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

How are cables carried through beams Beams bushed with fibre through bulkheads, &c. in glands if W.T. otherwise fibre bushes

How are cables carried through decks In Deck Tubes bushed with fibre

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 Strong wood casing protected by G. I. sheeking

Are any lamps fitted in coal bunkers or 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 in heavy C.S. fittings with hinged lids

Where are the main switches and cut outs for these lights fitted in Switch & Fuse Box at Engineers Passage

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 permanently How fixed in Casing

In vessels fitted on the single wire system, how is the dynamo terminal fixed to the hull of vessel through terminals on magnet frames

How are the returns from the lamps connected to the hull sweated to 3/8" dia. tinned brass tap screws to beams etc.

Are all the joints with the hull in accessible positions yes

The installation is supplied with a voltmeter and an amperemeter, fixed to Switchboard

**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 copper used is guaranteed to have a conductivity of 100 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.

For Harland & Wolff Ltd.

Electrical Engineers

Date

**COMPASSES.**

Distance between dynamo or electric motors and standard compass 40 feet to nearest motor

Distance between dynamo or electric motors and steering compass 30

The nearest cables to the compasses are as follows:—

A cable carrying	<u>30.6</u>	Amperes	<u>10</u>	feet from standard compass	<u>6</u>	feet from steering compass
A cable carrying	<u>2.4</u>	Amperes	<u>10</u>	feet from standard compass	<u>6</u>	feet from steering compass
A cable carrying	<u>1.2</u>	Amperes	<u>10</u>	feet from standard compass	<u>6</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 course in the case of the standard compass and nil degrees on All course in the case of the steering compass.

For Harland & Wolff Ltd.

Builder's Signature.

Date

12<sup>th</sup> Nov 1910.

**GENERAL REMARKS.**

This installation has been fitted in accordance with the Rules, and is of good description.

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

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

Committee's Minute



Lloyd's Register Foundation

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.