



DESCRIPTION OF INSULATION, PROTECTION, ETC.—continued.

15019. *ef*

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 *galvanised iron pipes*

What special protection has been provided for the cables near galleys or oil lamps or other sources of heat *none near heat*

What special protection has been provided for the cables near boiler casings *Iron pipes*

What special protection has been provided for the cables in engine room *Armoured cables*

How are cables carried through beams *Holes are banded with teak wood through bulkheads, &c. Clamps in Water tight bulkheads*

How are cables carried through decks *In tube banded with hard 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 *Iron pipes and armour sheathed wire to lamps*

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 *Cast iron covers*

Where are the main switches and cut outs for these lights fitted *Port alleyway main deck Engine Room*

If in the spaces, how are they specially protected *Cast iron covers*

Are any switches or cut outs fitted in bunkers *no*

Cargo light cables, whether portable or permanently fixed *Portable* How fixed *Fast camcleans*

In vessels fitted on the single wire system, how is the dynamo terminal fixed to the hull of vessel *Double wire system*

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.

*No*

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 installation is *—* supplied with a voltmeter and *two* amperemeter, fixed on *Switchboard*

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 *2000* 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.

*W. C. Martin* Electrical Engineers

Date *3<sup>rd</sup> March 1897*

COMPASSES.

Distance between dynamo or electric motors and standard compass *130 ft*

Distance between dynamo or electric motors and steering compass *120 ft*

The nearest cables to the compasses are as follows:—

A cable carrying <i>about 60</i> Amperes	<i>about 40</i> feet from standard compass	<i>about 30</i> feet from steering compass
A cable carrying <i>4</i> Amperes	<i>50</i> feet from standard compass	<i>40</i> feet from steering compass
A cable carrying <i>4</i> Amperes	<i>60</i> feet from standard compass	<i>50</i> 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.

*David M. Henderson* Builder's Signature

Date *8<sup>th</sup> March 1897*

GENERAL REMARKS.

*This installation has in my opinion been satisfactorily carried out and the case is submitted for the favourable consideration of the Committee.*

*C. J. Schromeyer*

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

Committee's Minute

*This installation appears to be fitted in accordance with the Rules*

*— 20 at full*

*17th 10/3/97*

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.

