

DESCRIPTION OF INSULATION, PROTECTION, ETC.—continued.

Are they in places always accessible *yes, except those in holds.*

What special protection has been provided for the cables in open alleyways or where exposed to weather or moisture *lead covering*

& strong wood casing.

What special protection has been provided for the cables near galleys or oil lamps or other sources of heat *lead covering & wood backing*

What special protection has been provided for the cables near boiler casings *lead covering & armouring*

What special protection has been provided for the cables in engine room *armouring or lead covering & armouring*

How are cables carried through beams *holes bushed with fibre through bulkheads, &c. holes bushed with fibre*

How are cables carried through decks *in pipes made watertight in the deck & bushed with fibre*

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

If so, how are they protected *armoured with g.i. wires*

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 to lamp fittings & cast iron junction boxes*

Where are the main switches and cut outs for these lights fitted *on Engine room switchboard*

~~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 *by gunmetal socket & couple*

In vessels fitted on the single wire system, how is the dynamo terminal fixed to the hull of vessel *through holding down bolts of dynamo.*

How are the returns from the lamps connected to the hull *soldered to 3/8" brass screws*

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

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 *yes* supplied with ^{two} *4* voltmeter and *two* an 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.

For W. H. ALLEN, SON & Compy.

W. H. Allen

Electrical Engineers

Date *14th Jan'y 1898*

COMPASSES.

Distance between dynamo or electric motors and standard compass *100 ft*

Distance between dynamo or electric motors and steering compass *94 ft*

The nearest cables to the compasses are as follows:—

A cable carrying	<i>18</i>	Amperes	<i>40</i>	feet from standard compass	<i>38</i>	feet from steering compass
A cable carrying	<i>4</i>	Amperes	<i>100</i>	feet from standard compass	<i>8</i>	feet from steering compass
A cable carrying	<i>2</i>	Amperes	<i>4</i>	feet from standard compass	<i>4</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 *—* course in the case of the standard compass and *nil* degrees on *—* course in the case of the steering compass.

For FURNESS, WITHEY & CO., LIMITED,

W. W. W. W.

Director.

Builder's Signature

Date *January 6th 1898*

GENERAL REMARKS.

Two dynamo engines are fitted on stbd side of engine room; the cables made N.S. through deck & bulkheads by fitting them through metal glands. No cables through bunkers. C. Burney, Richard H. & Co. Surveyors to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

This installation appears to be fitted in accordance with the Rules

Lloyd's Register Foundation

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN

REPORT FORM No. 13.