



26879

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 and galvanized steel armouring.

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

What special protection has been provided for the cables near boiler casings Lead covered & armoured.

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

How are cables carried through beams Through drilled holes, through bulkheads, &c. N.T. glands.

How are cables carried through decks By means of galvanized iron deck tubes.

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 Lead covered & armoured.

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 N.T. fittings specially guarded.

Where are the main switches and cut outs for these lights fitted In special N.T. Boxes.

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 special connection 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 ✓

The installation is One supplied with a voltmeter and One amperemeter, fixed in 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 600. 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 THOS. WILSON, SONS & CO. LD. W.A. Mackillop Electrical Engineers Date 11/11/13

COMPASSES.

Distance between dynamo or electric motors and standard compass 120 ft.

Distance between dynamo or electric motors and steering compass 110 ft.

The nearest cables to the compasses are as follows:—

A cable carrying	<u>.6</u>	Amperes	<u>10.</u>	feet from standard compass	<u>15.</u>	feet from steering compass
A cable carrying	<u>.6</u>	Amperes	<u>12.</u>	feet from standard compass	<u>20.</u>	feet from steering compass
A cable carrying		Amperes		feet from standard compass		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 ✓ degrees on ✓ course in the case of the standard compass and ✓ degrees on ✓ course in the case of the steering compass.

FOR THE BUILDERS David As Builder's Signature. Date

GENERAL REMARKS.

This installation of electric light has been well fitted. The materials & workmanship are good. It has been tried under full working conditions & found satisfactory.

It is submitted that this vessel is eligible for THE RECORD. Elec. light. J.W.D. 11/11/13. Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.

