

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 RUN IN TUBING.

What special protection has been provided for the cables near galleys or oil lamps or other sources of heat SPL. LEAD COVERED, ARMoured & BRAIDED.

What special protection has been provided for the cables near boiler casings LEAD COVERED, ARMoured & BRAIDED.

What special protection has been provided for the cables in engine room LEAD COVERED.

How are cables carried through beams IN LEAD BUSHES through bulkheads, &c. W.T. GLANDS

How are cables carried through decks W.T. DECK TUBES

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

CABLE CLUSTERS & HAND LANTERNS
Cargo light cables, whether portable or permanently fixed PORTABLE How fixed REYROLLE SOCKETS

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 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 600 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.

THE FAIRFIELD SHIPBUILDING AND ENGINEERING CO., LIMITED.

Electrical Engineers Date _____

COMPASSES.

J. Hendrie **INSIDE MANAGER** 65 FEET
Distance between dynamo or electric motors and standard compass

60 "
Distance between dynamo or electric motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying	<u>.1</u>	Ampere	<u>IN</u>	feet from standard compass	feet from steering compass
A cable carrying	<u>.1</u>	Ampere		feet from standard compass	<u>IN</u> feet from steering compass
A cable carrying		Ampere		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 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.

THE FAIRFIELD SHIPBUILDING AND ENGINEERING CO., LIMITED.

Builder's Signature Date 11th Nov. 1920

GENERAL REMARKS.

J. Hendrie **INSIDE MANAGER**

This installation has been fitted on board under special survey. Tested under full working conditions and satisfactory in every way.

It is submitted that this vessel is eligible for THE RECORD. Elec Light. Roll 26/11/20

J. Stanley Rankin
Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 23 NOV 1920

Elec Light W.W.



THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.

HL
22.11.20

1m, 7, 10—Transfer.

