



Glasgow.

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 covd.
What special protection has been provided for the cables near galleys or oil lamps or other sources of heat Lead covd & Arm'd & Braided
What special protection has been provided for the cables near boiler casings " " " " "
What special protection has been provided for the cables in engine room " " " " "
How are cables carried through beams Compo Bushes through bulkheads, etc. w/T. Glands.
How are cables carried through decks In Galv'd Iron Deck Pipes
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 Lead, Lead & Armoured, & Lead Braided
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
Cargo light cables, whether portable or permanently fixed portable How fixed Adapted screws home.
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 3, and with an amperemeter Yes 3, 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.

H. J. Robertson & Co Electrical Engineers Date 25th Oct 21

COMPASSES.

Distance between dynamo or electric motors and standard compass 110 ft
Distance between dynamo or electric motors and steering compass 110 ft
The nearest cables to the compasses are as follows:—
A cable carrying 4 Amperes 6 feet from standard compass & 6 feet from steering compass
A cable carrying Amperes feet from standard compass feet from steering compass
A cable carrying .2 Amperes into feet from standard compass & .2 into 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 every course in the case of the standard compass and Nil degrees on every course in the case of the steering compass.

WILLIAM HAMILTON & CO. LIMITED. Andrew Murray Builder's Signature. Date 1st Nov 1921

GENERAL REMARKS.

This installation has been fitted on board under special survey tested under full working conditions found satisfactory

THE RECORD. Elec. Light. 2/16/21. J. S. Rankin Surveyor to Lloyd's Register of British and Foreign Shipping.
FEE £30-6-0. 14.10.21. 17.10.21. M.M.S.

Committee's Minute GLASGOW, 28 NOV 1921 Elec. Light

M.V. Mahia. Voltage Of Generators And Motors - 220.

Table with columns: No, HP, AMPS, RPM, AREA OF CABLE, SIZE OF CABLE. Lists equipment like Generators No 1+2, Sanitary Pump, Sea Circ. Pump, Oil Fuel Pump, Fresh Water Pump, Workshop Motor, etc.

Details Of Switchboard Circuits.

Table with columns: No, FEEDING, LOAD AMPS, SIZE OF CABLE, AREA OF CABLE, CIRCUIT No, FEEDING, LOAD AMPS, SIZE OF CABLE, AREA OF CABLE. Lists circuits like HEATER CIRCUIT No 1, AUXILIARY SWITCHBOARD, PUMP ROOM PUMPS, etc.

THE SWITCHBOARD IS NOT ARRANGED FOR PARALLEL RUNNING OF THE GENERATORS BUT FOR DIVIDED LOAD.

Auxiliary Switchboard

Situated On Upper Platform Of Engine Room PORT

Table with columns: CIRCUIT No, FEEDING, LOAD AMPS, SIZE OF CABLE, AREA OF CABLE, CIRCUIT No, FEEDING, LOAD AMPS, SIZE OF CABLE, AREA OF CABLE. Lists circuits like ENG ROOM ENCS + Prof LIGHT, SALOON + BRIDGE, WIRELESS, etc.

The oil fuel pump has a control switch at the entrance to the Engine Room on the upper deck