

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 cable run in galvanized iron piping, or lead covered & armoured cable

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

What special protection has been provided for the cables near boiler casings do

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

How are cables carried through beams by lead lashed holes through bulkheads, &c. by water tight glands

How are cables carried through decks by watertight deck tubes

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 covered run in piping or lead covered & armoured

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 from connection socket How fixed Cable to socket clipped to bulkhead

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 main 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 yes

Are any switches, fuses, 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 gas light fittings

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 2500 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. (C.M.A. grade of cable used)

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.

A. W. & Co.

Electrical Engineers

Date

COMPASSES.

Distance between dynamo or electric motors and standard compass 252 feet from dynamo, 26 feet from wireless

Distance between dynamo or electric motors and steering compass 254 " " " " " " " " " "

The nearest cables to the compasses are as follows:—

A cable carrying	<u>.2</u>	Amperes	<u>7</u>	feet from standard compass	<u>2</u>	feet from steering compass
A cable carrying	<u>.2</u>	Amperes	<u>1</u>	feet from standard compass	<u>8</u>	feet from steering compass
A cable carrying	<u>.2</u>	Amperes	<u>8</u>	feet from standard compass	<u>1</u>	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 all course in the case of the standard compass and nil degrees on all course in the case of the steering compass.

SIR W. G. ARMSTRONG, WHITWORTH & CO. LTD.

H. G. Williams

Builder's Signature.

Date 7th February 1922.

GENERAL REMARKS.

The above installation is in accordance with the Society's Rules. The vessel is eligible ^{in my opinion} for notation elec light & wireless.

It is submitted that this vessel is eligible for notation
THE RECORD. Elec. Light & Wireless

Applied for 20/2/22. pd 2/3/22. W.T. Badger
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI 24 FEB 1922

Elec Lt



© 2020

Lloyd's Register Foundation

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.

2m1120—Transfer.

DESCRIPTION OF CABLES (CONTINUED FROM REPORT SHEET).

Report No. 75245

SHIP NO. 976 - S.S. "M I R L O".

Cables carrying	22.2	amps.	comprised	of	7	wires	each	.052	dia.	.0145	sq. in. area.	✓
"	"	12.7	"	"	7	"	"	.029	"	.0045	" " "	✓
"	"	4.8	"	"	7	"	"	.036	"	.007	" " "	✓
"	"	4.5	"	"	7	"	"	.029	"	.0045	" " "	✓
"	"	11.0	"	"	7	"	"	.036	"	.007	" " "	✓
"	"	19.2	"	"	7	"	"	.064	"	.0225	" " "	✓
"	"	25.0	"	"	7	"	"	.064	"	.0225	" " "	✓
"	"	9.9	"	"	7	"	"	.036	"	.007	" " "	✓
"	"	12.3	"	"	7	"	"	.036	"	.007	" " "	✓
"	"	15.9	"	"	7	"	"	.036	"	.007	" " "	✓
"	"	3.3	"	"	7	"	"	.064	"	.0225	" " "	✓

28-1-22.



© 2020

Lloyd's Register
Foundation

W196-0356 2/2

... in addition to weathering cable exposed in any way to damage from galvanic corrosion piping