

REPORT ON ELECTRIC LIGHTING INSTALLATION. No. 1994b

Port of Christiania Date of First Survey 4/12-19 Date of Last Survey 4/12-19 No. of Visits 1
 No. in Reg. Book on the Iron or Steel "SORKA" Port belonging to Tausberg
 Built at Kalmar msk. Dalsked Tausberg By whom Kalmar msk. Dalsked When built 1919
 Owners Herr. N. Henniksen Owners' Address Tausberg
 Yard No. 39 Electric Light Installation fitted by MOERS ELEKTRISKE FORRETNING When fitted 7/12-19.

DESCRIPTION OF DYNAMO, ENGINE, ETC.

Capacity of Dynamo 55 Amperes at 65 Volts, whether continuous or alternating current continuous
 Where is Dynamo fixed ship's bottom Whether single or double wire system is used double
 Position of Main Switch Board ship's side having switches to groups 6 of lights, &c., as below
 Positions of auxiliary switch boards and numbers of switches on each no auxiliary switch boards.

If cut outs are fitted on main switch board to the cables of main circuit yes and on each auxiliary switch board to the cables of auxiliary circuits yes and at each position where a cable is branched or reduced in size yes and to each lamp circuit yes
 If vessel is wired on the double wire system are cut outs fitted to both flow and return wires or cables of all circuits including lamp circuits yes
 Are the cut outs of non-oxidizable metal partly and constructed to fuse at an excess of 100 per cent over the normal current
 Are all cut outs fitted in easily accessible positions yes Are the fuses of standard dimensions yes If wire fuses are used are permanent instructions fitted on or near each switch board giving particulars of proper size of fuse for each circuit yes
 Are all switches and cut-outs constructed of incombustible materials and fitted on incombustible bases yes

Total number of lights provided for 33 arranged in the following groups:—

A	8 7	lights each of	<u>32</u>	candle power requiring a total current of	<u>3.5</u>	Amperes
B	<u>6</u>	lights each of	<u>25</u>	candle power requiring a total current of	<u>2.4</u>	Amperes
C	<u>6</u>	lights each of	<u>32</u>	candle power requiring a total current of	<u>3</u>	Amperes
D	8 6	lights each of	<u>25</u>	candle power requiring a total current of	<u>2.4</u>	Amperes
E	3 3	lights each of	<u>50</u>	candle power requiring a total current of	<u>2.4</u>	Amperes
1	Mast head light with	1 lamps each of	<u>50</u>	candle power requiring a total current of	<u>1</u>	Amperes
2	Side light with	1 lamps each of	<u>50</u>	candle power requiring a total current of	<u>2</u>	Amperes
2	search light	Cargo lights of 5 lamps each		candle power, whether incandescent or arc lights	<u>5</u>	

If are lights, what protection is provided against fire, sparks, &c. are light enclosed, 25 amp.

Where are the switches controlling the masthead and side lights placed on the main switch board

DESCRIPTION OF CABLES.

Main cable carrying	<u>55</u>	Amperes, comprised of	<u>2</u>	wires, each	<u>16</u> ^{mm} area	L.S.G. diameter,	<u>1.6</u> square inches total sectional area
Branch cables carrying	<u>5</u>	Amperes, comprised of	<u>2</u>	wires, each	<u>1.5</u>	L.S.G. diameter,	<u>1.5</u> square inches total sectional area
Branch cables carrying	<u>3</u>	Amperes, comprised of	<u>2</u>	wires, each	<u>1.5</u>	L.S.G. diameter,	<u>1.5</u> square inches total sectional area
Leads to lamps carrying	<u>1</u>	Amperes, comprised of	<u>2</u>	wires, each	<u>1.5</u>	L.S.G. diameter,	<u>1.5</u> square inches total sectional area
Cargo light cables carrying	<u>5</u>	Amperes, comprised of	<u>2</u>	wires, each	<u>1.5</u>	L.S.G. diameter,	<u>1.5</u> square inches total sectional area
Search light	<u>25</u>	Amperes, comprised of	<u>2</u>	wires, each	<u>6</u>	L.S.G. diameter,	<u>6</u> square inches total sectional area

DESCRIPTION OF INSULATION, PROTECTION, ETC.

wire is black covered vulcanized and tinned copper wire in tinned iron-tubes and steel-tubes

Joints in cables, how made, insulated, and protected soldered vulcanized and protected by tarred ribbons

Are all the joints of cables thoroughly soldered, resin only having been used as a flux yes Are all joints in accessible positions, none being made in bunkers, cargo spaces, or spaces which may at any time be used for carrying cargo, stores, or baggage yes

Are there any joints in or branches from the cable leading from dynamo to main switch board no

How are the cables led through the ship, and how protected in tinned iron and steel-tubes

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 finned iron tubes

What special protection has been provided for the cables near galleys or oil lamps or other sources of heat finned iron tubes

What special protection has been provided for the cables near boiler casings finned iron tubes

What special protection has been provided for the cables in engine room finned iron tubes

How are cables carried through beams finned iron tubes through bulkheads, &c. finned iron tubes

How are cables carried through decks finned iron 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 yes

If so, how are they protected finned iron tubes

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 no

Where are the main switches and cut outs for these lights fitted no

If in the spaces, how are they specially protected no

Are any switches or cut outs fitted in bunkers no

Cargo light cables, whether portable or permanently fixed portable How fixed holder

In vessels fitted on the single wire system, how is the dynamo terminal fixed to the hull of vessel no

How are the returns from the lamps connected to the hull no

Are all the joints with the hull in accessible positions no

The installation is no supplied with a voltmeter and no an amperemeter, fixed on the switch board

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 105 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.

MOERS ELEKTRISKE FORRETNING A/S
Cato moer.

Electrical Engineers

Date 10/12-19

COMPASSES.

Distance between dynamo or electric motors and standard compass

Distance between dynamo or electric motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying	Amperes	feet from standard compass	feet from steering compass
A cable carrying	Amperes	feet from standard compass	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

The maximum deviation due to electric currents, etc., was found to be no degrees on no course in the case of the standard compass and no degrees on no course in the case of the steering compass.

Builder's Signature. Date

GENERAL REMARKS.

It is submitted that this vessel is eligible for THE RECORD. ELEC. LIGHT. 11/2/20

Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

FRIDEC. 17 1920



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