

## REPORT ON ELECTRIC LIGHTING INSTALLATION.

FRI. 15 SEP 1922

No. 6003

Port of **Bremen** Date of First Survey **31st July** Date of Last Survey **13th Sept 1922** No. of Visits **6**  
 No. in Reg. Book **368** on the **Iron or Steel** **SC ST "MORA"** Port belonging to **Swansea**  
 Built at **Geestemünde** By whom **J. Seebach & Co.** When built **1922**  
 Owners **F. C. Strick & Co. Ltd.** Owners' Address **Swansea**  
 Yard No. **368** Electric Light Installation fitted by **Schiffbau, Elektrotechnik, Maschinenbau** When fitted **1922**

## DESCRIPTION OF DYNAMO, ENGINE, ETC.

*One compound wound dynamo coupled direct to one steam engine*

Capacity of Dynamo **75** Amperes at **115** Volts, whether continuous or alternating current **continuous**  
 Where is Dynamo fixed **Engine Room starting platform** Whether single or double wire system is used **double**  
 Position of Main Switch Board **Eng. Room starting platform** having switches to groups **5** of lights, &c., as below  
 Positions of auxiliary switch boards and numbers of switches on each **1 in engine room with 7 switches, 1 in bridge house with 9 switches, 1 in boat house with 5 switches**

If fuses 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 fuses fitted to both flow and return wires or cables of all circuits including lamp circuits **yes**

Are the fuses of non-oxidizable metal **yes** and constructed to fuse at an excess of **80** per cent over the normal current

Are all fuses 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 **none**

Are all switches and fuses constructed of incombustible materials and fitted on incombustible bases **yes**

Total number of lights provided for **159** arranged in the following groups:—

A	39	lights each of	25	candle power requiring a total current of	14.2	Amperes
B	72	lights each of	16	candle power requiring a total current of	16.4	Amperes
C	2	lights each of	1000	candle power requiring a total current of	14.0	Amperes
D	4	lights each of	10	candle power requiring a total current of	1.2	Amperes
E	8	lights each of	16	candle power requiring a total current of	4.1	Amperes
2	Mast head light with 1	lamps each of	25	candle power requiring a total current of	1.6	Amperes
2	Side light with 1	lamps each of	25	candle power requiring a total current of	1.6	Amperes
30	Cargo lights of	16	candle power, whether incandescent or arc lights	15		

If arc lights, what protection is provided against fire, sparks, &c. **no arc lights fitted**

Where are the switches controlling the masthead and side lights placed

## DESCRIPTION OF CABLES.

Main cable carrying	75	Amperes, comprised of	7	wires, each	2.464	m/m S.W.G. diameter,	33.4	square m/m total sectional area
Branch cables carrying	35	Amperes, comprised of	7	wires, each	1.727	S.W.G. diameter,	16.4	square inches total sectional area
Branch cables carrying	12	Amperes, comprised of	1	wires, each	2.032	S.W.G. diameter,	3.24	square inches total sectional area
Leads to lamps carrying	6	Amperes, comprised of	1	wires, each	1.390	S.W.G. diameter,	1.5	square inches total sectional area
Cargo light cables carrying	6	Amperes, comprised of	1	wires, each	1.390	S.W.G. diameter,	1.5	square inches total sectional area

## DESCRIPTION OF INSULATION, PROTECTION, ETC.

*Main and branch cables are insulated by vulcanized rubber, lead sheathed and iron armoured.*

Joints in cables, how made, insulated, and protected *in watertight boxes*

Are all the joints of cables thoroughly soldered, and the flux used not containing acids or other corrosive substances **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 *through galvanized tubes*



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