

Rpt. 13.

Received at London Office

WED. MAY 19 1920

## REPORT ON ELECTRIC LIGHTING INSTALLATION. No.

Port of NEWCASTLE-ON-TYNE Date of First Survey 8/1/20 Date of Last Survey 10/3/20 No. of Visits 6  
 No. in Reg. Book 33921 on the Steel S.S. "Was Bharata" Port belonging to London  
 Built at Jarrow on Tyne By whom Palmer's Shipbuilding Co. Ltd. When built 1920  
 Owners Shipping Controller, British Tankers Owners' Address Britannic House, Great Winchester St. London E.C.2  
 Yard No. 895 Electric Light Installation fitted by Palmer's Shipbuilding Co. Ltd. When fitted 1920

## DESCRIPTION OF DYNAMO, ENGINE, ETC.

Open type single cylinder engine, direct coupled to a multipole compound dynamo

Capacity of Dynamo 100 Amperes at 100 Volts, whether continuous or alternating current Continuous

Where is Dynamo fixed Engine room starboard side Whether single or double wire system is used double

Position of Main Switch Board engine room having switches to groups 5 Circuits of lights, &c., as below

Positions of auxiliary switch boards and numbers of switches on each 1-8 way D.B. in wheelhouse, saloon passage starboard side 1-6 way D. Box & 1-6 way dis. box for fans. Engine room entrance 1-3 way section box, 2-6 way D.B. Casuarina starboard side 1-8 way dis. box, forward space 1-4 way dis. box.

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 50 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 yes

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

Total number of lights provided for 137 arranged in the following groups:—

A	engine & boiler room	lights each of	33—16	candle power requiring a total current of	18.48	Amperes
B	Cargo clusters	lights each of	20—16 CP, 4—20 Watt	candle power requiring a total current of	12.0	Amperes
C	Accommodation	lights each of	14—KCP, 42—20 Watt (2—32 CP 2—36+15-12 fans)	candle power requiring a total current of	30.04	Amperes
D	Navigation	lights each of	17—5 CP 8—20 Watt 16—16 CP 5—32 CP	candle power requiring a total current of	18.81	Amperes
E	Masconi	lights each of	—	candle power requiring a total current of	15.0	Amperes
2	Mast head light with	1 lamp each of	32	candle power requiring a total current of	2.4	Amperes
2	Side light with	1 lamp each of	32	candle power requiring a total current of	2.4	Amperes
	2—6 light Cargo lights of	16		candle power, whether incandescent or are lights	incandescent	

If are lights, what protection is provided against fire, sparks, &c.

Where are the switches controlling the masthead and side lights placed in wheelhouse.

## DESCRIPTION OF CABLES.

Main cable carrying	74.33	Amperes, comprised of	19	wires, each	14	S.W.G. diameter, .094	square inches total sectional area
Branch cables carrying	30.04	Amperes, comprised of	7	wires, each	16	S.W.G. diameter, .022	square inches total sectional area
Branch cables carrying	15.0	Amperes, comprised of	7	wires, each	18	S.W.G. diameter, .0125	square inches total sectional area
Leads to lamps carrying	56	Amperes, comprised of	1	wires, each	18	S.W.G. diameter, .00181	square inches total sectional area
Cargo light cables carrying	3.36	Amperes, comprised of	3	wires, each	18	S.W.G. diameter, .0053	square inches total sectional area

## DESCRIPTION OF INSULATION, PROTECTION, ETC.

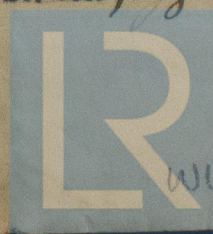
Association cable insulated with thick lap of pure Para rubber and protected with lead cover & galvanised iron wire

Joints in cables, how made, insulated, and protected none made

Are all the joints of cables thoroughly soldered, and the flux used not containing acids or other corrosive substances — 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 —

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 clipped to perforated plate, bulkheads or run in piping all protected with lead in the accommodation & lead & as mounted in crew, engine & boiler room & working spaces.



© 2020

Lloyd's Register Foundation



