

No. 4090

No. in Reg. Book *21.* on the ~~Iron or~~ Steel *Mus. S. & Mus. St.* *Florida* Port belonging to *Copenhagen.*
 Built at *Copenhagen* By whom *Akt. Burmeister & Wain* When built *1914.*
 Owners *Akt. Det Ostasiatiske Kompagni* Owners' Address *Copenhagen*
 Yard No. *293.* Electric Light Installation fitted by *Akt. Burmeister & Wain* When fitted *1914.*

DESCRIPTION OF DYNAMO, ENGINE, ETC.

2 compound wound Dynamos, one driven by an ordinary oil motor and one driven by a shunt wound motor taking current from one of 2 compound wound dynamos driven by the 2 auxiliary Diesel engines.

Capacity of Dynamo 2 off 200 Amperes at 110 Volts, whether continuous or alternating current continuous.

Where is Dynamo fixed in Engineer room Whether single or double wire system is used double wire system

Position of Main Switch Board in Engine room having switches to groups 1, 2, 3, 4 & switches of lights, &c., as below

Positions of auxiliary switch boards and numbers of switches on each 2 in Saloon alleyways with 0 - -
2 in Charthouse with 8 switches.

1	alt	-	0	-
1	Engueros	-	0	-
1	-	-	0	-

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.....

Are the fuses of non-oxidizable metal yes and constructed to fuse at an excess of 100 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. *Edisons Tools used*

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

Total number of lights provided for 510 arranged in the following groups:—

A 24 lights each of 10-16-25-32 candle power requiring a total current of 15 Amperes

B. 124 lights each of 10-16-25 candle power requiring a total current of 45 Amperes

B ₂	124	-	-	-	-	-	73
C ₁	29	lights each of	-	-	-	-	15 Amperes
							15

29 - - - - -
13 lights each of - - - candle power requiring a total current of 6 Amperes

37 lights each of - - candle power requiring a total current of 20 Amperes
35 -

2 Mast head light with 80 / lamps each of 32 candle power requiring a total current of 2 Amperes

2 Side light with 1 lamps each of 32 candle power requiring a total current of 2 Amperes

9 Gargo lights of 100 candle power, whether incandescent or arc lights incandescent.

3 - - - - - 6 amp. enclosed arc lamps.
If arc lights, what protection is provided against fire, sparks, &c. The arc lamps are entirely enclosed with glass

gloves and the lamps provided with wire guarded lanterns.

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

DESCRIPTION OF CABLES.

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Main cable carrying 180 Amperes, comprised of 37 wires, each 2.03 S.W.G. diameter, 120 ^{mm} ~~square inches~~ ^{mm²} total sectional area

Branch cables carrying 45 Amperes, comprised of 7 wires, each 2.13 S.W.G. diameter, 25 square inches total sectional area

Branch cables carrying 15 Amperes, comprised of 7 wires, each 1.35 S.W.G. diameter, 10 square inches total sectional area

Leads to lamps carrying 6 Amperes, comprised of 7 wires, each 1/1 S.W.G. diameter, 6 ~~square inches~~ total sectional area

Cargo light cables carrying 6 Amperes, comprised of flexible wires, each S.W.G. diameter, 2.5 square inches total sectional area

DESCRIPTION OF INSULATION, PROTECTION, ETC.

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1 Insulated with pure and vulc. india rubber taped and lead covered wire.

2) - - - - - and armoured with galv. sheet
- - - - - 2 layers of steel

3. - - - - - boxes with reserved connections.

Joints in cables, how made, insulated, and protected in jouncing boats with seaweed (continued).

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

In cargo spaces made positions none being made in bunkers, cargo spaces, or spaces which may at any time be used for carrying cargo, stores, or baggage in partition joints.

Are there any joints in or branches from the cable leading from dynamo to main switch board

How are the cables led through the ship, and how protected *secured by screwed clips and where necessary led*

through iron tubes.

