

REPORT ON ELECTRIC LIGHTING INSTALLATION.

MON. 4 JAN 1892

No. *11201** Port of *Glasgow* Received at London Office *18*
 No. in *11201* Name of Ship *"Dilwara"* Built at *Glasgow* When built *1891*
 Reg. Book. *Electric Light Installation fitted by W. H. Harris & Co. Glasgow when fitted December 1891*

DESCRIPTION OF DYNAMO AND ENGINE.—

a Compound-wound 4 pole Dynamo by W. H. Harris & Co. driven by a Chandler double Cylinder Silent Engine
 Capacity of Dynamo *375* Amperes at *50* Volts, whether continuous or alternating current *Continuous*
 Where is Dynamo fixed *Near Starting Gear in Engine Room*

LAMPS.—

Is vessel wired on single or double wire system *Double* Total number of lights *312* arranged in the following groups:—

Group	No. of lights	lights each of	candle power requiring a total current of	Amperes
A	<i>25</i>	<i>16</i>	<i>25</i>	<i>25</i>
AA	<i>26</i>	<i>16</i>	<i>26</i>	<i>26</i>
B	<i>36</i>	<i>16</i>	<i>36</i>	<i>36</i>
BB	<i>36</i>	<i>16</i>	<i>36</i>	<i>36</i>
C	<i>40</i>	<i>16</i>	<i>40</i>	<i>40</i>
CC	<i>46</i>	<i>16</i>	<i>46</i>	<i>46</i>
D	<i>19</i>	<i>16</i>	<i>19</i>	<i>19</i>
DD	<i>32</i>	<i>16</i>	<i>32</i>	<i>32</i>
E				

~~Mast head light with lamps each of candle power requiring a total current of Amperes~~

~~Side light with lamps each of candle power requiring a total current of Amperes~~

~~Cargo lights of candle power, whether incandescent or arc lights~~

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

SWITCHES AND CUT-OUTS.—

Position of Main Switch Board *Close to Dynamo* having switches to groups *(9)* of lights as above

~~Positions of other switch boards and numbers of switches on each~~

If cut outs are fitted to main circuit *Yes* and to each auxiliary circuit *Yes*

and at each position where cable is branched or reduced in size *Yes*

If vessel is wired on the double wire system are cut outs fitted on each wire *No only on One wire*

Are the cut outs of non-oxidizable metal *Yes* and constructed to fuse at an excess of *25* per cent over the normal current

Are all cut outs fitted in easily accessible positions *Yes*

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

How are the lamps specially protected in places liable to the accumulation of vapour or gas

Are all switches and cut-outs constructed of unflammable materials and fitted on unflammable bases *Yes*

DESCRIPTION OF CABLES.—

Main cable carrying Amperes, comprised of wires, each legal standard wire gauge diameter

Branch cables carrying *40* Amperes, comprised of *19* wires, each *16* legal standard wire gauge diameter

Branch cables carrying *25* Amperes, comprised of *7* wires, each *16* legal standard wire gauge diameter

Leads to lamps *1* Amperes, comprised of *1* wires, each *18* legal standard wire gauge diameter

~~Cargo light cables carrying Amperes, comprised of wires, each legal standard wire gauge diameter~~

The copper used has a conductivity of *98* per cent. that of pure copper.

Insulation of cables is guaranteed to have a resistance of not less than *600* megohms per statute mile after 24 hours' immersion in seawater

