

REPORT ON ELECTRIC LIGHTING INSTALLATION. No. 31913

Port of *Aull* Date of First Survey *20/5/20* Date of Last Survey *5/7/20* No. of Visits *6*
 No. in on the Iron or Steel *Sc. K. MAI* Port belonging to *Reykjavik*
 Reg. Book Built at *Beverly* By whom *Coch Wilton & Gummel* When built *1920*
 Owners *The Fishing Co. Iceland Ld* Owners' Address
 Yard No. *423* Electric Light Installation fitted by *The Humber Electrical Eng Co. Ltd* fitted *1920-6*

DESCRIPTION OF DYNAMO, ENGINE, ETC.

*4 Pole Compound wound direct coupled to 5x4" Nobby engine all on
 common bed plate.*

Capacity of Dynamo *40* Amperes at *100* Volts, whether continuous or alternating current *Continuous*

Where is Dynamo fixed *Engine Room* Whether single or double wire system is used *double*

Position of Main Switch Board *Left side engine room* having switches to groups *A. B. C. D.* of lights, &c., as below

Positions of auxiliary switch boards and numbers of switches on each *one 12 way wheelhouse one 5 way
 aft accommodation one 3 way Forecastle*

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-oxidisable metal *Yes* and constructed to fuse at an excess of *20%* 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 *80* arranged in the following groups:—

A	10	lights each of	16	candle power requiring a total current of	4	Amperes
B	16	lights each of	16	candle power requiring a total current of	4	Amperes
C	30	lights each of	16	candle power requiring a total current of	14	Amperes
D	8	lights each of	16	candle power requiring a total current of	4	Amperes
E	✓	lights each of	✓	candle power requiring a total current of	✓	Amperes
3	Mast head light with 1	lamps each of	32	candle power requiring a total current of	3	Amperes
2	Side light with 1	lamps each of	32	candle power requiring a total current of	2	Amperes
1	Cargo lights of 6 light @	16	candle power, whether incandescent or arc lights	<i>Incandescent.</i>		

If arc 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 *40* Amperes, comprised of *19* wires, each *18* S.W.G. diameter, *.034* square inches total sectional area
 Branch cables carrying *15* Amperes, comprised of *4* wires, each *18* S.W.G. diameter, *.0125* square inches total sectional area
 Branch cables carrying *7* Amperes, comprised of *3* wires, each *20* S.W.G. diameter, *.003* square inches total sectional area
 Leads to lamps carrying *4* Amperes, comprised of *3* wires, each *20* S.W.G. diameter, *.003* square inches total sectional area
 Cargo light cables carrying *3* Amperes, comprised of *140/36* wires, each *36* S.W.G. diameter, *.0032* square inches total sectional area

DESCRIPTION OF INSULATION, PROTECTION, ETC.

*Lead covered in berth & wheelhouse elsewhere lead covered
 & galv. wire armoured.*

Joints in cables, how made, insulated, and protected *No joint in cable connection is in
 boxes.*

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 up to cargo & deck lead
 covered & armoured.*



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