

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

10 APR 1929

Date of writing Report 26.3.29 When handed in at Local Office 6.4.29 Port of GLASGOW.

No. in Survey held at TROON. Date, First Survey 22.3.28 Last Survey 28/3/1929.  
Reg. Book. (Number of Visits.....)

on the

S.S. THE VICEROY

Tons { Gross 561  
Net 824

Built at TROON By whom built MESSRS THE PILSBS CO Yard No. 404 When built 1929.

Owners MESSRS J. HAY &amp; SONS LTD Port belonging to GLASGOW.

Electric Light Installation fitted by MESSRS CLAUD HAMILTON LTD Contract No. 404 When fitted 1929.

System of Distribution Double wire distributing fuse box.  
Pressure of supply for Lighting 110 volts, Heating none volts, Power none volts.

Direct or Alternating Current, Lighting direct Power none

If alternating current system, state frequency of periods per second -

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off Yes.

Generators, do they comply with the requirements regarding overload Yes, are they compound wound Yes.  
are they over compounded 5 per cent. Yes, if not compound wound state distance between each generator -

Where more than one generator is fitted are they arranged to run in parallel one only, is an adjustable regulating resistance fitted in series with each shunt field Yes.

Are all terminals accessible and clearly marked Yes, are they so spaced or shielded that they cannot be accidentally earthed, or short circuited Yes. Are the lubricating arrangements of the generators as per Rule 5 Sect 2

Position of Generator Engine Room  
is the ventilation in way of the generators satisfactory Yes, are they clear of all inflammable material Yes.if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators  
none and, are the generators protected from mechanical injury and damage from water, steam or oilare their axis of rotation fore and aft Yes.  
Earthing, are the bedplates and frames of the generating plant efficiently earthed Yes. are the prime movers and their respective generators in metallic contact Yes.

Main Switch Boards, where placed Engine Room

If the generators and main switchboard are not placed in the same compartment, is each generator provided with a fuse on each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard Same compartment

Switchboards, are they placed in accessible positions, free from inflammable gases and acid fumes Yes.  
are they protected from mechanical injury and damage from water, steam or oil Yes, if situated near unprotectedwoodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards none and  
are they constructed wholly of durable, incombustible non-absorbent materials Yes, is all insulation of high dielectric strength and ofpermanently high insulation resistance Yes, if semi-insulating material is used, are all conducting parts connected to one pole  
insulated from the slab with mica or micanite and the slab similarly insulated from its framework Yes, and is the

frame effectively earthed Yes. Are the following fittings as per Rule, viz.:— spacing or shielding of live parts

Yes, accessibility of all parts Yes, absence of fuses on back of board Yes, proportion of omnibus bars Yes, individual fuses to voltmeter, pilot or earth lamp Yes, connections of switches Yes.

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches

D.P. main switch and fuse for dynamo and S.P. Switches and D.P. fuses for each out going circuit

Instruments on main switchboard 1 ammeters 1 voltmeters - synchronising device for paralleling purposes.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system earth lamp.

Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules Yes.

Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule 3 Sect 6



© 2020

Lloyd's Register  
Foundation

W991-0053







All Conductors are of annealed copper conforming to British Standard Specification No. 7.  
The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.  
The foregoing is a correct description.

for *Claud Hamilton & J. H. Lawrence* Electrical Engineers.

Date *4<sup>th</sup> April 29.*

#### COMPASSES.

Distance between electric generators or motors and standard compass *88 feet*

Distance between electric generators or motors and steering compass *80 feet*

The nearest cables to the compasses are as follows:—

A cable carrying *6* Amperes *12* feet from standard compass *10* feet from steering compass.

A cable carrying *1* Amperes *10* feet from standard compass *10* feet from steering compass.

A cable carrying \_\_\_\_\_ Amperes \_\_\_\_\_ feet from standard compass \_\_\_\_\_ feet from steering compass.

Have the compasses been adjusted with and without the electric installation at work at full power *yes.*

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted *yes.*

The maximum deviation due to electric currents was found to be *nil* degrees on *any* course in the case of the standard compass, and *nil* degrees on *any* course in the case of the steering compass.

AILSA SHIPBUILDING CO., LIMITED

*W. H. Stowell* Secretary.

Builder's Signature.

Date *5<sup>th</sup> April 1929*

Is this installation a duplicate of a previous case *no.* If so, state name of vessel \_\_\_\_\_

General Remarks (State quality of workmanship, opinions as to class, &c.)

*This installation has been fitted on board under special supervision. Tested under full load conditions & found satisfactory. The materials and workmanship were found to be good and sound.*

It is submitted that  
this vessel is eligible for  
THE RECORD.

ELEC. LIGHT.

Total Capacity of Generators *3* Kilowatts

The amount of Fee ... £ *5-0-0*

When applied for, *9 APR 1929*

Travelling Expenses (if any) £ *0/6*

When received, *12.4.29*

*J. S. Rankin*  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute *GLASGOW* *9 APR 1929*

Assigned *Electric Light.*



© 2020

Lloyd's Register  
Foundation