

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

23 AUG 1928

Date of writing Report 27/8/28 When handed in at Local Office 27 AUG. 1928 Port of Liverpool

No. in Survey held at Liverpool Date, First Survey 27/8/28 Last Survey 24/8/28  
 Reg. Book. 64765 on the s/s "ATLANTIAN" (Number of Visits.....)

Built at Dundee By whom built Caledon S. S. & E. Co. Ltd. Yard No. ✓ Tons { Gross 1928  
 Net 1928

Owners A. Leyland & Co. Ltd. Port belonging to ✓

Electric Light Installation fitted by ✓ Contract No. ✓ When fitted ✓

## System of Distribution

Pressure of supply for Lighting volts, Heating volts, Power volts

Direct or Alternating Current, Lighting Power

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

Generators, do they comply with the requirements regarding rating are they compound wound

are they over compounded 5 per cent. if not compound wound state distance between each generator

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

Are all terminals accessible, clearly marked, and furnished with sockets are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Are the lubricating arrangements of the generators as per Rule

## Position of Generators

is the ventilation in way of the generators satisfactory are they clear of all inflammable material

if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators and are the generators protected from mechanical injury and damage from water, steam or oil

are their axes of rotation fore and aft

Earthing, are the bedplates and frames of the generating plant efficiently earthed are the prime movers and their respective generators in metallic contact

## Main Switch Boards, where placed

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

Switchboards, are they placed in accessible positions, free from inflammable gases and acid fumes

are they protected from mechanical injury and damage from water, steam or oil if situated near unprotected

woodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards and

are they constructed wholly of durable, non-ignitable non-absorbent materials is all insulation of high dielectric strength and of

permanently high insulation resistance if semi-insulating material is used, are all conducting parts insulated from the slab

with mica or micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework

and is the frame effectively earthed Are the fittings as per Rule regarding:— spacing or shielding of live parts

accessibility of all parts absence of fuses on back of board proportion of omnibus

bars individual fuses to voltmeter, pilot or earth lamp connections of switches

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

Instruments on main switchboard ammeters 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

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

Joint Boxes Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule







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.

Electrical Engineers.

Date

#### COMPASSES.

Distance between electric generators or motors and standard compass

Distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying Ampères feet from standard compass feet from steering compass.

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A cable carrying Ampères feet from standard compass feet from steering compass.

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

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

The maximum deviation due to electric currents was found to be degrees on course in the case of the standard

compass, and degrees on course in the case of the steering compass.

Builder's Signature.

Date

Is this installation a duplicate of a previous case If so, state name of vessel

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

Dynamo Engine tried under steam, with varying loads.  
The governors found to be in good working order & sensitive to  
variation of load.

Total Capacity of Generators Kilowatts.

The amount of Fee ... £

When applied for,

19

Travelling Expenses (if any) £

When received,

19

Committee's Minute

Assigned

Transmit to London  
JK

C. Roman Stuart.  
Surveyor to Lloyd's Register of Shipping.



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Lloyd's Register  
Foundation

See endorsement on Gen. 8655-  
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Im, 121, -Transfer.  
(The Surveyors are requested not to write on or below the space for Committee's Minute.)