

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

Date of writing Report 5.9.24 When handed in at Local Office 3.11.24 Port of GLASGOW.No. in Survey held at GLASGOW.  
Reg. Book.Date, First Survey 7.8.24 Last Survey 30.10.1924  
(Number of Visits.....)on the S.S. GOLDEN CAPETons { Gross 4554  
Net 2900Built at PORT GLASGOW. By whom built W. HAMILTON & CO. Yard No. 388. When built 1924Owners THE GOLDEN CAPE S.S. CO. LTD Port belonging to LONDON.Electric Light Installation fitted by M<sup>r</sup> D. A. BROWN. Contract No. 388 When fitted 1924System of Distribution TWO WIRE. DISTRIBUTING BOXES.Pressure of supply for Lighting 110 volts, Heating \_\_\_\_\_ volts, Power 110 volts.Direct or Alternating Current, Lighting Direct Power Direct

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 yesGenerators, do they comply with the requirements regarding overload yes, are they compound wound yesare 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 \_\_\_\_\_, is an adjustable regulating resistance fitted in series with each shunt field yesAre 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 yesPosition of Generators On Generator platform. On Top of Engine Room Store. Star. Side aft.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 \_\_\_\_\_

and \_\_\_\_\_, are the generators protected from mechanical injury and damage from water, steam or oil yesare their axis of rotation fore and aft yesEarthing, are the bedplates and frames of the generating plant efficiently earthed yes are the prime movers andtheir respective generators in metallic contact yesMain Switch Boards, where placed Directly over Engine Store on Aft Engine Room Bulkhead  
Starboard Side

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 yesare they protected from mechanical injury and damage from water, steam or oil yes, 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, 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 \_\_\_\_\_, and is the

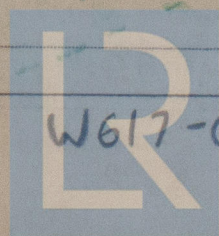
frame effectively earthed yes Are the following fittings as per Rule, viz.:— spacing or shielding of live partsyes, accessibility of all parts yes, absence of fuses on back of board yes, proportion of omnibusbars yes, individual fuses to voltmeter, pilot or earth lamp yes, connections of switches yes

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

Double pole quick break Knife switches for both Main and outgoing circuits

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

Both Omnibus & Earthed through indicator lampsSwitches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules yesSection and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule yes

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If portable lamps for use in dangerous spaces are supplied, are they of a type approved by the Home Office.....

[illegible]



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.

*D. A. Brown* Electrical Engineers.

Date *29<sup>th</sup> Sept. 1924.*

#### COMPASSES.

Distance between electric generators or motors and standard compass

*97 feet*

Distance between electric generators or motors and steering compass

*95 feet*

The nearest cables to the compasses are as follows:—

A cable carrying *10* Amperes *12* feet from standard compass *8* feet from steering compass.

A cable carrying *3* Amperes *in* feet from standard compass *in* 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 \_\_\_\_\_ course in the case of the standard compass, and *nil* degrees on *any* course in the case of the steering compass.

For WILLIAM HAMILTON & CO. LIMITED

Builder's Signature

Date *30<sup>th</sup> Oct 1924*

Is this installation a duplicate of a previous case *Yes*. If so, state name of vessel *S.S. Golden Sea*

General Remarks (State quality of workmanship, opinions as to class, &c. *This installation has been*

*fitted on board under special survey. Tested under full working conditions and found satisfactory. The workmanship was found to be good and sound.*

Total Capacity of Generators *12* Kilowatts

The amount of Fee ... £ *12. 0. 0* : When applied for, *28/8/24*

Travelling Expenses (if any) £ : : When received, *10/9/24 JMSA*

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

Committee's Minute *GLASGOW - 4 NOV 1924*

Assigned *Electric Light*

Im 122—Transfer.  
(The Surveyor is requested not to write on or below the space for Committee's Minute.)



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