

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report

19

When handed in at Local Office

12/12/28

Port of

NEWCASTLE-ON-TYNE

No. in Survey held at

Newcastle.

Date, First Survey

8<sup>th</sup> Nov?

Last Survey

22<sup>nd</sup> Nov

19 28

Reg. Book.

on the S.S. "Quarrington Court."

(Number of Visits...)

Tons { Gross  
Net

Built at

Newcastle.

By whom built

Hoth &amp; B. Co. (1927) Ltd.

Yard No.

When built 1928

Owners

United British S.S. Co. Ltd.

Port belonging to

London

Electric Light Installation fitted by

Messrs Campbell &amp; Sherwood &amp; Co. Ltd.

Contract No.

When fitted 1928.

System of Distribution

Double wire

Pressure of supply for Lighting

110

volts, Heating

volts, Power

volts.

Direct or Alternating Current, Lighting

Direct

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

Yes

Generators, do they comply with the requirements regarding rating

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

series with each shunt field

Yes

Are all terminals accessible, clearly marked, and furnished with sockets

Yes

, are they so spaced or shielded that they cannot be accidentally earthed,

short circuited, or touched

Yes

Are the lubricating arrangements of the generators as per Rule

Yes

Position of Generators

Engine room starboard side

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

Yes

are their axes 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 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

Yes

are 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

are they constructed wholly of durable, non-ignitable non-absorbent materials

Yes

, is all insulation of high dielectric strength and of

permanently high insulation resistance

Yes

, 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

Yes

and is the frame effectively earthed

Yes

Are the fittings as per Rule regarding:— 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

Double pole switch

+ fuses on dynamo mains. Single pole switch + double pole fuses on each outgoing circuit

Instruments on main switchboard

one

ammeters

one

volts meters

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 lamps

coupled to earth through switches &amp; fuses

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

Yes

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

Yes

WS07-0206 1/2



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Foundation



WS07-0206 2/2



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.

CAMPBELL & ISHERWOOD LTD  
Thomas Meade

Electrical Engineers.

Date 10<sup>th</sup> Dec 1928

#### COMPASSES.

Distance between electric generators or motors and standard compass 86 feet

Distance between electric generators or motors and steering compass 80 feet

The nearest cables to the compasses are as follows:—

A cable carrying .18 Amperes on the feet from standard compass 8 feet from steering compass.

A cable carrying .18 Amperes 8 feet from standard compass on the feet from steering compass.

A cable carrying 4.5 Amperes 10 feet from standard compass 5 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 all course in the case of the standard compass, and nil degrees on all course in the case of the steering compass.

FOR NORTHUMBERLAND SHIPBUILDING CO. (1927) LTD.

W. Murray Gibson Builder's Signature.

Date 11<sup>th</sup> Dec 1928

Is this installation a duplicate of a previous case yes. If so, state name of vessel S.S. "Geddington Court"

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

The above installation is in accordance with the Society's Rules. The vessel is eligible in my opinion for notation elec light wireless.

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

13/12/28.

Total Capacity of Generators 15 Kilowatts.

The amount of Fee £ 15 : —

When applied for,

4/12/1928

When received,

17.12.1928

Travelling Expenses (if any) £ :

W.T. Badger.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Elec Light

Im 228—Transfer.  
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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