

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

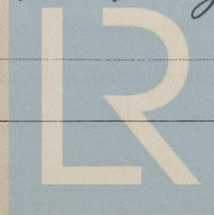
No. 83359

-3 Oct 1928

Date of writing Report 19 When handed in at Local Office 25.9.28 Port of NEWCASTLE-ON-TYNE

No. in Survey held at *Newcastle.* Date, First Survey *5 Sept.* Last Survey *18 Sept* 1928  
 Reg. Book. *Supp.*  
 92027 on the *S.S. "Sinnington Boust"*  
 Built at *Newcastle.* By whom built *Armstrong Whitworth & Co.* Yard No. *5319*  
 Owners *United British S.S. Co. Ltd.* Port belonging to *London* When built *1928*  
 Electric Light Installation fitted by *Armstrong Whitworth & Co. Ltd.* Contract No. *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 *—*, is an adjustable regulating resistance fitted in series with each shunt field *—*  
 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** *Starboard side of 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 *—* 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 *Starboard side of 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 *—*  
**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 *—* and *—*  
 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 for generator. Single pole switch + double pole fuses for each outgoing circuit*  
**Instruments** on main switchboard *one* ammeters *one* 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 lamps coupled to earth through switches & 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.*



© 2021

Lloyd's Register  
Foundation

010 294 - 010 299 - 0136



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

© 2021  
Lloyd's Register  
010294-010294-0136



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.

Armstrong Whitworth & Co. Ltd. Electrical Engineers.

Date 28/9/28.

#### 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 ~~foot~~ standard compass 8 feet from steering compass.

A cable carrying .18 Amperes 8 feet from standard compass on the ~~foot~~ 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  
SIR W. G. ARMSTRONG, WHITWORTH & CO. LTD.

Stewart

Builder's Signature.

Date 28. 9. 1928.

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.)

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

Elec. Light

W.T. Badger

9/10/28

P.

Total Capacity of Generators 15 Kilowatts.

The amount of Fee ... £ 15 : -

When applied for,

8 OCT 1928

When received,

9.10.28

Travelling Expenses (if any) £

Committee's Minute

TU. 16 OCT 1928

Assigned

Elec. Light

W.T. Badger

Surveyor to Lloyd's Register of Shipping.

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



© 2021

Lloyd's Register  
Foundation