

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office FEB 1925

Date of writing Report 4/2/1925 When handed in at Local Office 4/2/1925 Port of MIDDLESBROUGH  
 No. in Survey held at MIDDLESBROUGH Date, First Survey while Last Survey building 19  
 Reg. Book. on the M/o. "Hamsterley"  
 Built at South Bank By whom built Messrs Smiths Dock Co Ltd No. 800 Tons Gross Net  
 Owners Port belonging to  
 Electric Light Installation fitted by Contract No. When fitted

## System of Distribution

Pressure of supply for Lighting 100 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

Generators, do they comply with the requirements regarding overload

are they over compounded 5 per cent.

Where more than one generator is fitted are they arranged to run in parallel

series with each shunt field

Are all terminals accessible and clearly marked

or short circuited

## Position of Generators

is the ventilation in way of the generators satisfactory

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 axis of rotation fore and aft

Earthing, are the bedplates and frames of the generating plant efficiently earthed

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

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

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

permanently high insulation resistance

insulated from the slab with mica or micanite and the slab similarly insulated from its framework

frame effectively earthed

accessibility of all parts

individual fuses to voltmeter, pilot or earth lamp

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

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

Series across main fuses

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

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.

RICHARD PICKERSGILL & SONS, LTD.

A. H. Spencer Secy

Electrical Engineers.

Date Jan 31<sup>st</sup> / 25

#### 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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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 70 degrees on course in the case of the standard compass, and 70 degrees on course in the case of the steering compass.

FOR SMITH'S DOCK COMPANY, LTD.

J. W. Cairns

Builder's Signature.

Date 3 Feb 1925

Signature Manager.

Is this installation a duplicate of a previous case Yes If so, state name of vessel SS. HARTLEY

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

been fitted in accordance with the Rules, is of good materials and workmanship and on completion was examined under full working conditions and found satisfactory

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

J. W. D.  
13/2/25

Total Capacity of Generators 6 Kilowatts

The amount of Fee ... £ 6 : 0 : 34.12.1924

Travelling Expenses (if any) £ 10.1.1925

Arthur W. Oxford,  
Surveyor to Lloyd's Register of Shipping

Committee's Minute

Assigned

Im. 3. 2. - Transfer.  
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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Foundation