

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....8265

26 JUN 1941

Date of writing Report 3rd Oct. 1940 When handed in at Local Office

Port of SAN FRANCISCO

No. in Survey held at Oakland, Calif. Date, First Survey 26th March Last Survey 17th June 1940  
 Reg. Book. (Number of Visits 43)

31943 on the Steel T. S. S. "MARIA PEPA" ex "PRESIDENT WILSON" Tons { Gross 12,597  
 Net 6,735

Built at Camden, N. J. By whom built New York S.B. Corp. Yard No. 254 When built 1921

Owners Berge Y Compania Port belonging to Bilbao, Spain

Electric Light Installation fitted by New York S.B. Co. Contract No. When fitted 1921

System of Distribution 2-Wire volts, Heating 115 volts, Power 115 volts.

Pressure of supply for Lighting 115 Power Direct

Direct or Alternating Current, Lighting 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 Yes

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

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 Changing load only is an adjustable regulating resistance fitted in 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 (Rings)

Position of Generators Port side of Engine room on Generator flat, "D" deck level

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 Generator flat, After end.

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 micaite 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

as approved , accessibility of all parts Yes , absence of fuses on back of board Yes , proportion of omnibus bars as approved , individual fuses to voltmeter, pilot or earth lamp Yes-voltmeter , connections of switches in lugs.

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

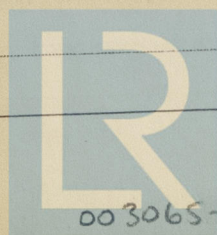
1- Circuit Breaker, 1- 3 pole knife switch on each Generator

Instruments on main switchboard 2 ammeters 2 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 Indicating lamps

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

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



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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 Approximately 160 feet.

Distance between electric generators or motors and steering compass do. 150 feet.

The nearest cables to the compasses are as follows:—

A cable carrying .5 Ampères 12 feet from standard compass 2 feet from steering compass.

A cable carrying .5 Ampères 12 feet from standard compass 2 feet from steering compass.

A cable carrying 3 Ampères 12 feet from standard compass 2 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 No.

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 *Cabo Buena Esperanza*

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

The material and workmanship are satisfactory. The entire electric system together with generators, lighting circuits, switchboards and motors now overhauled, megger tested throughout and found or placed in good working order, and examined under working conditions.

In the opinion of the undersigned the Electrical equipment of this Vessel is eligible to be classed with the L.M.C. 6-40.

Total Capacity of Generators <sup>250</sup>~~200~~ Kilowatts.

The amount of Fee ... \$150.00 : { When applied for, 19 Jun 19 40.  
When received, 29 Jun 19 40.  
Travelling Expenses (if any) £ :

(Signed) S. F. BOOMER  
Surveyor to Lloyd's Register of Shipping.

NEW YORK NOV 20 1940  
Committee's Minute

Assigned Elec light.

Im1,26—Transfer.  
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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