

COPY.

# Lloyd's Register of Shipping.

Port NAGASAKI.

14th April 1931.

CERTIFICATE No.435.

This is to Certify that

T. Kunishi.,

the undersigned Surveyor to this Society did at the request of

Messrs. Mitsubishi Denki Kaisha, Ltd., attend at their works at Nagasaki, on the 8th April 1931, for the purpose of examining under test the following Switchboard intended for Vessel No.491, now being built by Messrs.Mitsubishi Zosen Kaisha, Ltd. Nagasaki.

One Complete Main Switchboard, No.61381, consisting of the following:-

- Two panels for Lighting.
- Two panels for Deck Part Motors & Heaters.
- Six panels for Three 70 K.W.Generators.
- Four panels for Engine part Motors.

A high pressure voltage test of 2000 volts A.C. was applied to all panels for one minute, insulation tests, temperature rise tests under continuous current and calibration tests were carried out as detailed below and all found satisfactory.

Two 450 amps, circuit breakers on Lighting Panel & Deck Part Motor and Heater Panel:-

- Continuous current of 450 amps at 225 volts for 4½ hours.
- " " of 562.5 amps at 225 volts for 2 hours.
- Calibration tests at 360.450.630 & 900 amps for Overload Relay.

Three 350 amps, circuit breakers on 70 K.W.Generator Panels.

- Continuous current of 350 amps at 225 volts for 4½ hours.
- " " of 437.5 amps at 225 volts for 2 hours.
- Calibration tests at 280.350.490 & 700 amps for Overload Relay.
- " " at 17.35 & 70 amps for Reverse current Relay.

For purposes of identification the name plate was stamped as follows:-

LLOYD'S  
No.435. *R*  
T.K. 8-4-31.

*T. Kunishi*

Assist. *Subscribed to Lloyd's Register*

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:-  
"While the Committee use their best endeavours to ensure that the functions of the Society are properly executed, it is understood that neither the Committee nor the Society are under any circumstances whatever to be held responsible for inaccuracy in any report or certificate issued by the Society or its Surveyors, or in any entry in the Register Book or other publication of the Society, or for any error of judgment, default, or negligence of the Surveyors, or other Officers or Agents of the Society."