

# Lloyd's Register of Shipping.

Port NAGASAKI.

26th December 1932.

CERTIFICATE No.644.

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 16th December 1932, for the purpose of examining under test of the following Switchboard intended for Vessel No.522, now being built by Messrs.Mitsubishi Zosen Kaisha, Ltd., Nagasaki.

One Complete Main Switchboard No.61640 consisting of the following:-

Six panels for 90 K.W.Generators.  
Four panels for Engine part Motors.  
Two panels for Deck part Motors.  
Two panels for Lighting.

A high 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.

Three 400 amps circuit breakers on 90 K.W.Generator panels.

Continuous current of 400 amps at 225 volts for 4½ hours.  
" " of 500 amps at 225 volts for 2 hours.  
Calibration tests at 320.400.560.800 amps for Overload Relay.  
" " at 40. 80. 100 amps for Reverse Current Relay.

One 400 amps circuit breaker on Engine part Motor panel.

Continuous current of 400 amps at 225 volts for 4½ hours.  
" " of 500 amps at 225 volts for 2 hours.  
Calibration tests at 320.400.560.800 amps for Overload Relay.

Two 300 amps circuit breakers on Engine part Motor panels.

Continuous current of 300 amps at 225 volts for 4½ hours.  
" " of 375 amps at 225 volts for 2 hours.  
Calibration tests at 240.300.420.600 amps for Overload Relay.

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

LLOYD'S  
No.644.  
T.K. 16-12-32

*T. Kunishi*  
Assist Surveyor 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 to be understood that neither the Committee nor the Society are under any circumstances whatever to be held responsible for any 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."