

COPY

# Lloyd's Register of Shipping.

MEIKAI BUILDING

32, AKASHI-MACHI,

KOBE.

6th June 1933.



CERTIFICATE No. 3433.

This is to Certify that at the request of Messrs. Kawasaki Dockyard Co. Ltd., Kobe, attend at their works for the purpose of examining and testing one rotary type motor driven Bilge and Ballast pump.

The compound wound direct current 30 H.P. Motor No. 12916 of 220 volts, 114 amperes at 1350 - 1530 revolutions per minute was submitted to following tests.

Full load test of 5 hours duration.

25% overload test of 1½ hours duration.

50% overload test 1 minute.

The rise of temperature was measured by thermometers and on completion of trials high voltage (2000 volts) and insulation tests were carried out, and all found satisfactory.

The pump casing was tested on 13th March 1933 by hydraulic pressure to 60 lbs. per square inch, found sound and tight.

This pump was finally assembled and tried under working conditions on the 16th May 1933 (delivering 280 tons/hour) with satisfactory result.

The pump is intended for Herina Shipbuilding and Engineering Co. Ship No. 189 and has been stamped as follows:-

Pump  
LLOYD'S  
No. 3433  
16-5-33

Motor  
LLOYD'S  
No. 3433  
16-5-33

Fee.....Yen 60:00  
Expenses.....Yen 10:00



*Alfred Munn*

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."



~~7189  
Bridge & Ballast  
Pump  
CERT. No. 7189~~

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MEIKAI BUILDING

AKASHI-AM-1101

KOBÉ.



• 322 •

This is to Certify that

about 14 hours total, 100% of budgeted time, since the transport

There is no other information in this document.

1964-1965

008 96 06744.00 20000 .00 00 000000 000000 000000 000

100-443887-1000

What follows is

...the same ...

52. *Chrysomelidae* (10)

1940-1941

the government will be increased and will be paid in full.

100-443887-100

1-10-1945

THE BUREAU OF THE ARMY OF THE UNITED STATES OF AMERICA

1944

THE UNITED STATES DEPARTMENT OF THE INTERIOR

1955-1956

THE UNIVERSITY OF CHICAGO PRESS

1950-1951

1945-1946

**THE UNIVERSITY OF CHICAGO**

опиш. М. З. Р.

RECEIVED 1941 APR 11 10 11 AM

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