

COPY

Lloyd's Register of Shipping.

Nagasaki, 28th February 1933.

Cert. No. 663.

This is to Certify that at the request of Messrs. Mitsubishi Zosen Kaisha, Ltd., Nagasaki.

the Open Hearth Steel Forgings ~~or Castings~~ named below ^{was} ~~were~~ examined and tested at their works on the 25th October 1932 & subsequent dates, and found to be as far as could be ascertained, sound and free from defect.

One (1) Semi-built, Four-throw Crank Shaft.

510 m/m, 81a. Examined in finished condition.

~~Drop tests:-~~

Note:- In addition to undermentioned tests, tests were made from the material taken from between the webs near crank pins, which were found satisfactory.

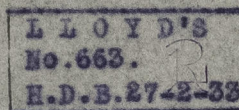
Test Mark	Tenacity Tons/sq. in	Elongation % in 2"	Bend 1" x 1" 180°
KCW - 2 A.	28.0	39.0	Good.
" " O.	30.4	34.7	
KCW - 5 A.	32.0	35.0	Good.
" " O.	32.0	36.0	
KCW - 6 A.	29.6	36.5	Good.
" " O.	29.6	38.0	
KCW - 7 A.	30.4	36.0	Good.
" " O.	30.0	37.0	
KCJ - 1.	30.4	38.4	Good.
KCJ - 2.	31.6	31.6	Good.

This Crank Shaft is intended for Harima Dock, Yard No. 189.

made to the order of Messrs. Kobe Steel Works. and ^{has} ~~have~~ been stamped as follows:—

Fee Yen 225:00

Expenses "



H. S. Buchanan

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.

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Copy Lloyd's Register of Shipping

Nagasaki, Japan

Ref No. 100

This is to certify that in the request

the Open Hearth Steel Forgings examined below and tested at their works on the 10th day of August 1900 and found to be as far as could be ascertained sound and free from defect.

and the same are intended for the purpose of being used in the construction of the hull of the ship named "The Nagasaki" and the same are intended for the purpose of being used in the construction of the hull of the ship named "The Nagasaki".

Test Mark	Tensile in Tons	Elongation in %	Beam in inches
100	25.0	12.5	10.0
100	25.0	12.5	10.0
100	25.0	12.5	10.0
100	25.0	12.5	10.0
100	25.0	12.5	10.0
100	25.0	12.5	10.0
100	25.0	12.5	10.0
100	25.0	12.5	10.0

intended for the purpose of being used in the construction of the hull of the ship named "The Nagasaki".

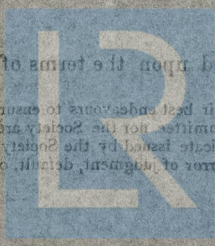
and has been stamped as follows:—



Yer 1000

intended for the purpose of being used in the construction of the hull of the ship named "The Nagasaki".

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 carried out, it is not intended that the Committee shall be held responsible for any error or omission in any report or certificate issued by the Society, or in any entry in the Register Book or other publication of the Society or for any error of judgment, detail, or negligence of the Surveyors or other officers or Agents of the Society.



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