

Lloyd's Register of Shipping,

(MEIKAI BUILDING)

32, AKASHI-MACHI,

KOBE, 30th March 1933.

Cert. No. 3317.

This is to Certify that at the request of Messrs. The Kobe Steel Works, Ltd., Kobe, the Open Hearth Steel Forgings or Castings named below ^{was} ~~were~~ examined and tested at their works on 9th, 15th Nov., 27th Dec. 1932, 1st Feb. and 29th March 1933 and found to be as far as could be ascertained, sound and free from defect.

one (1) Five throw solid forged Crank Shaft.

184 mm dia. of pins and journals.

Drop tests: examined in finished condition.

Test Mark	Tenacity Tons/sq in	Elongation % in 2"	Bend 1" x 2" x 180°
C 4917 A 1	29.8	38	Good

This crank shaft is intended for Marine shipbuilding and Engineering Co. Yard no. 189, 189 K.K. Auxiliary engine.

and ^{has} ~~have~~ been stamped as follows:-

Fee Yen 75:00

Expenses ,, --

04917A1
LLOYD'S
No. 3317
29-3-33
H.A.G. LR

A. J. Garnett

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, other Officers or Agents of the Society."



18 a
crank shaft
CERT No 39

Lloyd's Register of Shipping
(MEIKAI BUILDING)
35, AKASHI-MACHI,
KOBE.

This is to Certify that at the request

of the Open Hearth Steel Forging Co. Ltd. was examined and tested at their works on and found to be as far as could be ascertained sound and free from defect.

Test Mark	Tonnage Tons in	Location in	Length

intended for and has been stamped as follows:

Yen 1000

[Signature]

Manager 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 have endeavored 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, detail, or negligence of the Surveyors, other Officers or Agents of the Society.”