

# Lloyd's Register of Shipping,

(MEIKAI BUILDING)

32, AKASHI-MACHI,

KOBE, 25th May 1933.

Cert. No. 3481.

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 ~~were~~ <sup>examined</sup> and tested at their works on 15 Nov., 1932, 9, 14, 24 Mar. 11, 21 Apr. 6, 15, 18 May 1933, and found to be as far as could be ascertained, sound and free from defect.

one (1) solid forged three-throw crank shaft 450 m/m pin dia. and 490 m/m journal dia. with four Cast Steel balance weights.

examined in finished condition.  
Drop tests: Dropped from a height of 8 feet to the test steel slab then suspended and hammered without indication of defect.

Test Mark	Tenacity Tons/sq in	Elongation % in 2"	Bend 1" x 2" x 180°
D 3817 A 2	31.5	31	Good

This crank shaft is intended for marine shipbuilding and engineering co. 1000 No. 187 main Engine Sovering pump, and ~~has~~ <sup>have</sup> been stamped as follows:-

Fee Yen 195.00

Expenses " -- --

D3817A2  
LLOYD'S  
No. 3481  
15-5-33  
H.A.C. LR.

*M. Gannett*

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."





181  
Crane  
No. 100

# Lloyd's Register of Shipping

(MEIKAI BUILDING)

32, AKASHI-MACHI

KOBE

Cert. No. 100

This is to Certify that at the request

of the Open Hearth Steel Works or Castings named below examined and tested at their works on and found to be as far as could be ascertained sound and free from defect

Drop tests: and all other tests required by the Japanese Standards for the purpose of the above mentioned works.

Test Mark	Tensile in Tons per sq. in.	Elongation in %	Bond

intended for and has been stamped as follows:

Recd  
Expenses

Signature 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 products of the Society are properly examined, it is to be understood that neither the Committee nor the Society are under any circumstances whatever to hold 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.”