

# Lloyd's Register of Shipping,

(MEIKAI BUILDING)

32, AKASHI-MACHI,

KOBE, 19th April 1933.

Cert. No. 3443.

This is to Certify that at the request of Messrs. The Kobe Steel Works, Ltd., Kobe,

the Open Hearth Steel Forgings ~~or Castings~~ <sup>was</sup> examined and tested at their works on 18, 22 Nov., 12, 14 & 19 Dec. 1932, 24 Jan., 18 Feb., 6 Mar., 10 Apr. 1933, <sup>were</sup>

and found to be as far as could be ascertained, sound and free from defect.

One (1) Flywheel Shaft, diam. of body 510 - 445 m/m.  
with 22 coupling bolts, dia. of bodies 95 m/m.

Drop tests: Examined in finished condition.

Test Mark	Tenacity Tons/sq. in	Elongation % in 2"	Bend 1" x 1/4" x 180°
<u>Shaft.</u> D 3817 A 1	31.6	32	Good
<u>Bolts.</u> B 4849 F	36.6	32	Good
A 5325 C	32.4	34	"

These forgings are intended for Marine Shipbuilding and Engineering Co., Yard No. 109, Main Engine,

and <sup>has</sup> ~~have~~ been stamped as follows:-

Fee Yen 98.00

Expenses " —

D3817 A1 :  
: LLOYD'S :  
: No. 3443 :  
: 10-4-33 :  
: H.A.S. LR :

*M. J. Gamett*

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."



CERTIFICATE  
No. 3443  
H. H. 189

Lloyd's Register of Shipping  
(MEIKAI BUILDING)  
32, AKASHI-MACHI,  
KOBE, JAPAN

This is to Certify that at the request

of the Open Harbors Steel Corporation named below examined and tested at their works on and found to be as far as could be ascertained, sound and free from defect.



Test Mark	Tensile Force in	Elongation in	Kind

has been stamped as follows: -

*[Signature]*  
Manager to Lloyd's Register

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that: -  
"With the Committee use their best endeavours to ensure that the findings of the Society are properly recorded, it is to be understood that neither the Committee nor the Society are liable in any circumstances whatsoever to be held responsible for any inaccuracy in any report or certificate issued by the Society or its servants or in any entry in the Register Book or other publication of the Society or for any error or inaccuracy, default or negligence of the Surveyors, Chief Officers or Agents of the Society."

