

# Lloyd's Register of Shipping,

(MEIKAI BUILDING)

32, AKASHI-MACHI,

KOBE, 1st June 1933.

Cert. No. 3386.

This is to Certify that at the request of Messrs. The Kobe Steel Works, Ltd., Kobe, the Open Hearth Steel Forgings ~~on Castings~~ <sup>was</sup> ~~were~~ examined and tested at their works on 13 & 16 Feb. 4, 14, 22 Mar. & 27 May 1933. and found to be as far as could be ascertained, sound and free from defect.

Two Two-throw solid forged Crank Shafts.

Del. of pins and journals 120 n/m.

Drop tests: Examined in finished condition.

Test Mark	Tenacity Tons/sq in	Elongation % in 2"	Bend 1" x 1" x 180°
C 5454 D	32.6	33	Good
C 5454 B	29.6	35	"

These forgings are intended for Marine Shipbuilding and Engineering Co., Ship No. 189, and <sup>has</sup> ~~have~~ been stamped as follows:—  
starting air compressor.

Fee Yen 120:00

Expenses " --

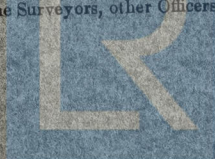
C5454D  
LLOYD'S  
No. 3326A  
27-5-33  
H.A.G.B.R.

C5454B  
LLOYD'S  
No. 3326B  
27-5-33  
H.A.G.B.R.

*Mr. Larnett*

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."





189  
Frank Smith  
No. 332

Cent. No.

and found to be as far as could be ascertained, sound and free from defect tested at above points on 11-2-1934. 11-2-1934

the Open Hearth Steel Forgings in question named below <sup>were</sup> examined and

1. The first part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

[illegible]

and have been stamped as follows:

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"While the Committee has been endeavoring 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 obligation whatever to be held responsible for any laches, in any report or certificate issued by the Society or its Executive or in any entry in the Register Book, or other publication of the Society to the extent or in any manner, directly or indirectly, of the knowledge of the Executive, other Officers or Agents of the Society."

Lloyd's Register  
Foundation