

Lloyd's Register of Shipping,

(MEIKAI BUILDING)

32, AKASHI-MACHI,

KOBE, 1st June 1933.

Cert. No. 3502.

This is to Certify that at the request of Messrs. The Kobe Steel Works, Ltd., Kobe, the Open Hearth Steel Forgings and Castings named below ^{have} ~~were~~ examined and tested at their works on 21, 27 Dec. 1932 and 8, 10, 16, 20, 25, 25 Feb. 1, 11, 17, 22, 27, 28, 30 Mar. 6, 7, 10, Apr. 15, 22, and 25 May 1933, and found to be as far as could be ascertained, sound and free from defect.

One Set E.S. Rudder Stock, upper and lower parts in two sections with one coupling and six coupling bolts and one pintle. One C.S. Rudder frame. Weight 2375 kg. with bearing caps and one edge piece. Examined in finished condition. Drop tests: Dropped the castings from a height of 8 feet on to the hard ground, then suspended and hammered without indication of defect.

Test Mark	Tenacity Tons/sq. in	Elongation % in 2"	Bend 1" x 1" x 180°
Stock			
O 5647 A 2	28.6	33	Good
B 4420 A 1	32.4	31	"
Coupling, bolt & pintle.			
B 3817A 6	31.4	34	"
B 4054 B. A5366B.	30.8 (31.7)	35 36	"
Frame, edge piece & cap.			1" x 1" x 180°
A 5537B	28.3	32	Good
A 5651A	31.4	31	"
A 5659A	33.8	26	"

These castings & Forgings are intended for Marine Shipbuilding and

Engineering Co. Ship No. 189, and ^{has} ~~have~~ been stamped as follows:-

TEST MARKS AS ABOVE
LLOYD'S
No. 3502A, B, C, D.
25-5-33
H.A.G. JR.

Fee Yen 50:00

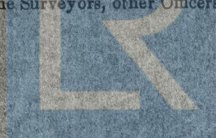
Expenses " --

A. J. Farnett

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."



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32. AKASHI-MACHI (MEIKAI BUILDING)

KOBE

Cent. No. 1123

This is to Certifye that the request

and found to be as far as could be ascertained sound and free from defect. tested at their works on the Open Hearth Steel Forgings in Castings named below ^{which} ~~are~~ examined and

[illegible]

Test Mark	Tensile Tons per sq. in.	Elongation in 2 in.	Bend
31.7	30	30	30

and have been stamped as follows

Feb 1908

83243075

Surgeon to His Majesty's Household.

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that—

"While the Committee has their past endeavours to ensure that the functions of the Society are properly executed, it is to be understood that neither the Society, nor the Committee, nor the Surveyors, are in any way responsible for any inaccuracies or omissions in any report or certificate issued by the Society or its Surveyors, or in any entry in the Ledger 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."