

# Lloyd's Register of Shipping,

(MEIKAI BUILDING)

32, AKASHI-MACHI,

KOBE, 20th April 1933.

Cert. No. 3448.

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

the Open Hearth Steel Forgings & Castings named below ~~was~~ <sup>were</sup> examined and tested at their works on the 20th Jan. to 18th April 1933.

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

One set C.S. Stern Frame, in two sections, examined in finished condition, Weight:— upper part 12,950 Kgs. & lower part 8,640 Kgs.  
One F.S. Connecting piece, 10" dia. of body with 1" coupling bolts, 2 1/2" dia. examined in finished condition.

Drop tests: Dropped the stern frame from a height of 8 feet on to the hard ground, and then suspended and hammered without indication of defect.

Test Mark	Tenacity Tons/sq in	Elongation % in 2"	Bend
Upper frame. B501A	30.6	30	1" x 3" x 120° Good
Lower frame. B485A	28.0	31	"
Connecting piece. B4367A2	34.8	30	1" x 3" x 180° Good
Coupling bolts. B4054B	51.7	36	"
A5419H	29.9	36	"

These Forgings & Castings are intended for Marine Shipbuilding and Engineering Co., Yard No. 189.

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

Fee Yen 120.00

Expenses „ 1.00

B501A:B485A:B4367A2:  
: LLOYD'S :  
: No. 3448A, B & C :  
: 18-4-33 :  
: H.A.C. LR :

*A. P. Garrett*

Surveyor to Lloyd's Register.

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