

COPY

Lloyd's Register of Shipping.

MEIKAI BUILDING

32, AKASHI-MACHI,

KOBE.

6th February 1933.

CERT. No. 3390.

THIS IS TO CERTIFY that at the request of

Messrs. Osaka Iron Works, Ltd., Sakurajima Yard, Osaka,

the open hearth mild steel Boiler quality Rivet Bars made to the order of

Vereinigte Stahlwerke A.G. Stahl und Walzwerke Thyssen, Mulheim Ruhr.

and intended for Harima S.B. & Eng. Co. No. 189,
Air Receiver were inspected and tested at their
works on the 3rd and 4th February 1933.

Samples taken from this material were subjected to the tensile, and bend tests prescribed by
the Rules of this Society for Boiler material with satisfactory results.

For identification of material see signed invoice attached hereto

RESULTS OF TESTS

TEST DATE	Item No.	Test No.	Charge Mark.	No. of PIECES	Thickness.	Breadth DIA.	Area	Total Tons.	Tons per square inch	Extension in 8 ins. %	Bend.
1	34m/m dia.x740'0"			47	.564	0.250	14670	26.2	33.3	Good	
2	"	"			.564	0.250	14680	26.2	32.2	"	
3	"	"			.564	0.250	14720	26.2	31.1	"	
4	"	"			.564	0.250	14740	26.3	31.1	"	
5	30 m/m dia.x320'0"			20	.562	0.248	14690	26.4	30.0	"	
6	"	"			.564	0.250	14720	26.2	31.1	"	
- THE END -											

Fee

Yea

See Cert. No. 3389.

Expenses

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H. P. Earnott

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."

Meikai Building 32, AKASHI-MACHI, Kobe.

Kobe.

CERT. No. 3300.

THIS IS TO CERTIFY that at the request of

the open hearth mild steel

and intended for

Samples taken from this material were subjected to the tensile, and bend tests prescribed by

the Rules of this Society for

For identification of material see signed invoice attached hereto

RESULTS OF TESTS

Test No.	Specimen	Yield Point	Tensile Strength	Elongation	Reduction of Area	Bend
1	30 x 30 x 30	35.3	45.0	25.0	40.0	180°
2	30 x 30 x 30	35.3	45.0	25.0	40.0	180°
3	30 x 30 x 30	35.3	45.0	25.0	40.0	180°
4	30 x 30 x 30	35.3	45.0	25.0	40.0	180°
5	30 x 30 x 30	35.3	45.0	25.0	40.0	180°
6	30 x 30 x 30	35.3	45.0	25.0	40.0	180°

See Cert. No. 3300.

Fee
Expenses

[Signature]

Inspector 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 estimate 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 or judgment, default or negligence of the Surveyors, other Officers or Agents of the Society.”

