

"Tetsu-to-Hagané"

Vol. 51, No. 1, Jan., 1965

Contents

A Message for New Year. Masao YUKAWA... 1

Review

1964 Perspective of Production and Technique of Iron and Steel in Japan. Takeshi YAMAOKA... 3

Technical Papers

On the Properties of Reduced Sponge-Iron Powders. A. ŌKURA and Y. MATSUSHITA...11

Precipitating Deoxidation by Silicon and Manganese. (Kinetic study on the deoxidation of steel-I) N. SANO, S. SHIOMI and Y. MATSUSHITA...19

Study on the Fire Crack of Slapping Mill Rolls. C. UTAHASHI, T. YANAGISAWA, M. HACHISU, T. OKUMOTO, E. NIYAMA, J. WATANABE and T. SHIBAZAKI...39

Plastic Torsional Deformation and Fracture of Low Carbon Steel at Low Temperatures. G. MIMA and S. HORI...59

Isothermal Transformation of Spring Steels and Their Mechanical Properties. A. HOSHINO...65

The Diffusion of Carbon in Solid Iron and the Adhesiveness of Ceramic Coating. S. MINOWA and M. KATO...71

Special Lecture

Iron and Steel and Society. Masao YUKAWA...80

Report of Joint Research Society,

The Iron and Steel Institute of Japan

Recent Development of Measurement and Control Techniques. Kanichiro KATSURA and Takashi ISOBE...86

Report of The Japan Creep Research Association

The Present Situation of The Japan Creep Research Association. Shingi TAWARA...99

Standardization of the Single Type Creep Tester Research Project in 1961. Shuzi TAIRA...101

Abstracts120, Content of the Recent Articles Published in Japan and Overseas.....123, Patent Section.....126, Miscellaneous:—News.....129, Proceedings of the Institute.....131, Notices to MembersN1

Overseas membership: Annual charge: \$ 10.00 (incl. postage) Entry fee: \$ 1.00