

“Tetsu-to-Hagané”

Vol. 52, No. 13 December, 1966

Contents

Foreword

ISIJ and Solid State Physics of Iron and Steel.*Ryukiti R. HASIGUTI*...1821

Technical Papers

- Effect of Carbon, Silicon, Phosphorus and Nickel on the Solubility of Hydrogen in Liquid Iron.
..... *H. NOZAKI, S. BAN-YA, T. FUWA, S. MATOBA and K. ONO*...1823
- Some Consideration on the Mechanism of Deoxidation
Reaction of Molten Steel.*K. SENDA*...1834
— Discussion —1845
- Diffusion of Massive Carbides in Bearing Steels by Soaking.
..... *T. ŌTA, K. OKAMOTO, S. NAKAMURA and S. SHIKŌ*...1851
- Study on the Evaluation of Hot Workability of Steels
by Hot Torsion Tests. *F. MOROZUMI*...1859

Technical Review

- Review on Electroslag Remelting.
..... *Hidetake KUSAMICHI and Yoshihiro FUKUHARA*...1890

Abstracts.....1906, Library News.....1914, Patent Section.....1915,
Miscellaneous:—News.....1916, Notices to Members.....N131,
Proceedings of the Institute.....N135

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