

# "Tetsu-to-Hagané"

Vol. 52, No. 2, Feb., 1966

## Contents

### Foreword

Promotion of Development of New Technique and Research System.

.....Zenichiro TAKAO...105

### Technical Papers

Research on Coal-Oil Slurry Injection into Blast Furnace.

..... K. MORINAGA, K. TAJIMA, K. KUSUNO, Y. JOMOTO,  
Y. KANAYAMA and H. MATSUOKA...107

Experiments on the Solidification of Steel Ingots by Scrape Method.

..... S. SHIKANO, Y. NAKAGAWA, M. FUKUMOTO, I. HAGIWARA  
and T. TAKAHASHI...113

On the Desulphurization of Molten Pig Iron for Steelmaking

in the Reversible Shaking Ladle (D. M. Converter) and the Production  
of Low Sulphur Steels.

..... T. ŌKURO, H. TOMOMATSU, U. IIHAMA, N. HAYASHI,  
R. YAGURA and J. JIZAIMARU...120

### Technical Review

On the Thermomechanical Treatment of Steel. .... Imao TAMURA...140

Ultrahigh-strength Steels. .... Toru ARAKI...163

Preparation of Single Crystals of Iron and Iron Alloy.

..... Tadami TAOKA, Tomoyuki TAKEUCHI and Shin TAKEUCHI...187

### Letter to the Editor

Diagram Showing Phase Relation of Oxide Inclusions Formed

in Steels of the System Fe-Cr-O. .... A. ADACHI, N. IWAMOTO and M. KITAMURA...204

---

Abstracts.....206, Contents of the Recent Articles Published in Japan and Overseas.....210,  
Patent Section .....212, Miscellaneous:— News.....213, Proceedings of the Institute.....215,  
Notices to Members.....N9, Program for the 71st Grand Lecture Meeting of The Iron  
and Steel Institute of Japan.....93

---

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