

"Tetsu-to-Hagané"

Vol. 56 No 14, Dec. 1970

Contents

Foreword

At the End of the Year 1970 *Motoo* SUMITOMO...1787

Technical Papers

- Sintering Mechanism of Self-fluxed Sinter with a Basicity of About 1.2
..... *K. KOJIMA, K. NAGANO, T. INAZUMI,*
T. KISHI, and K. SHINADA...1789
- Activity of Carbon and Oxygen in Liquid Iron Alloys
..... *Y. SUZUKI, S. BAN-YA, and T. FUWA*...1809
- The Behavior of Oxygen in Liquid Steel during the Continuous Casting
..... *M. KURITA, T. IKEDA, and K. MARUKAWA*...1819
- Large Inclusions in Continuously Cast Carbon Steel Billets
..... *H. MORI, N. TANAKA, and M. HIRAI*...1824
- On the Agitation and Mixing of Molten Steel in a Ladle during DH
Degassing Treatment..... *K. NARITA and T. MAKINO*...1844
- Effects of Combined Additions of Al, Be, and Ti on Precipitation
Hardening of Fe-Ni Alloys
..... *M. KANAO, T. ARAKI, H. NUMATA, and K. NAKANO*...1854
- Microstructures and Charpy Fracture Surface Characteristics of
Aged Refractaloy 26 Type Alloy and Inconel X Type Alloy *Y. KANAI*...1867
- Chromizing of Austenitic Heat Resistant Alloys
..... *J. HOASHI, M. YOSHIMOTO, M. KATSUTA, and H. YOSHIDA*...1880

Technical Reports

- Temperature Distribution of Structural Sections during Hot Rolling
..... *H. HIRAMATSU, T. EGASHIRA, K. YUTA,*
and S. NAKAMATA...1891

Technical Reviews

- Outline for the Kinetics of Iron Ore Reduction
..... *Masanori TOKUDA, Hideyuki YOSHIKOSHI, and Masayasu OHTANI*...1899
- Some Phenomena during the Solidification of Steel Ingots
..... *Koichi ASANO and Hisashi MATSUNAGA*...1916
- Cast Structure of Ingot..... *Akira SUZUKI*...1942

Abstract.....1960, Library News.....1970, Notices to Members.....N189,
Proceedings of the Institute.....N201

Overseas membership: Annual charges: \$ 10.00 (incl. postage) Initiation fee: \$ 1.00