

“Tetsu-to-Hagané”

Vol. 56 No 9, August, 1970

Contents

Technical Papers

- A Study of the Reaction between Chromium Ore and Alkali during Rotating in Rotary Kiln.....T. ASANO...1157
- Theoretical Analysis on the Degassing Process in Upper Leg of R-H Degassing PlantT. FUJII and I. MUCHI...1165
- Effect of Nonmetallic Inclusions on the Bending Property and the Surface Defects of Cold Rolled Stainless Steel Sheets I. TAKAHASHI, M. OGAYA, and T. YOSHIDA...1172
- Study on the Deoxidation of Stainless Steel with Aluminium I. TAKAHASHI, M. OGAYA, and T. YOSHIDA...1182
- The Decarburization Mechanism in Rimming Steel T. SHIMAZAKI, Y. TAKEMURA, and S. FUKUDA...1194
- Some Investigations on the Fatigue Layer and Dressing Programme of Plate Finisher Mill Backup-Roll M. NAGASE, S. SHIMIZU, H. SHIMIZU, H. TABE, K. KUDO, and H. GOTO...1201
- On the Phosphorizing and Phospho-carburizing of Steel I. TAMURA, Y. YAMAOKA, and Y. OKADA...1210
- Effects of Ni, Cr, and Cooling Rate of Quenching on the Properties of 3%Cr-Mo Steels..... T. GOTOU, M. MAEDA, A. SUZUKI, and T. NAKANO...1219
- Influence of C, B, and N on Creep-Rupture Strength and Structural Changes in Creep of 18Cr-10 Ni Stainless SteelT. SHINODA, R. TANAKA, T. ISHII, T. MIMINO, and K. KINOSHITA...1231
- The Relationship between Wear Phenomena and Wear Particles of Cast IronK. KITAGAWA, F. SEKI, and M. UEDA...1245
- On the Durabilities of Special Cast Steels against Abrasive Wear N. INAKAZU, S. YOSHIOKA, and H. YAMAMOTO...1253
- Analytical Method of Carbon in Martensite in Steel with X-Ray Microanalyzer..... M. SASAKI, K. SUZUKI, and O. KAMMORI...1262
- Study on Determination of Low Content of Calcium in SteelsK. KAWAMURA, S. WATANABE, and T. FURUKAWA...1268
- Emission Spectrographic Analysis of Trace of Calcium in Steel M. IHIDA, M. NAGAI, and Y. KAWAI...1280

Technical Report

- Effect of Chromium and Molybdenum on the Temper Brittleness of Ni-Cr-Mo-V Steel for Large Turbine Rotor Shaft Forgings H. TAKEUCHI and I. KITAGAWA...1286

Library News.....1295, Notices to Members.....N115, Proceedings of the InstituteN130

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