

"Tetsu-to-Hagané"

Vol 65, No 5, April, 1979

Contents

Foreword

Technologies at 70 pct Capacity UtilizationK. KOMODA... 477

Technical Papers

Degradation of Coke due to Alkali Adsorption.....T. CHANG and M. TATE... 479

Degradation of Coke due to GasificationT. CHANG and M. TATE... 488

Removal of Phosphorus and Other Impurities from Cokes by Heating and Leaching
.....K. KANEKO, M. MAEDA, N. SANO, H. OHTSUKA, and Y. MATSUSHITA... 495

The Melt-Down Properties of the Blast Furnace Burdens
.....K. ONO, K. YAMAGUCHI, A. SHIGEMI, N. NISHIDA, and K. KANBARA... 505

The Construction of Lath MartensiteT. MAKI, K. TSUZAKI, and I. TAMURA... 515

Effect of Hydrogen on Crack Propagation Behavior and Microstructures around Cracks in α -Iron.....A. INOUE, Y. HOSOYA, and T. MASUMOTO... 525

Delayed Fracture under Repeating Stress in Various High Strength Steels
..... M. KIDO, K. NAKASA, and H. TAKEI... 535

Effect of Alloying Elements on Strengthening and Toughening of Maraging Steels through $\alpha' \rightleftharpoons \gamma$ Cyclic Heat Treatment
.....K. NAKAZAWA, Y. KAWABE, and S. MUNEKI... 542

Technical Report

Two-Strand Welded Steel Tube Mill Installation
..... M. NISHIMURA, Y. HIROKI, and S. TANEBE... 551

Technical Review

Stress and Corrosion — Introduction to Mechanochemistry —
..... N. OHTANI... 556

Reports

IUTAM Symposium on Metal Forming Plasticity
.....H. KUDO... 568

Abstracts.....571, JISTIC News.....575, Notice to Members.....N89,
Proceedings of the Institute.....N105, News of Iron and Steel Standard Samples.....N106

Overseas membership: Annual charges: ¥6000 (incl. postage) Initiation fee: ¥600

© The Iron and Steel Institute of Japan, 1979