

“Tetsu-to-Hagané”

Vol. 58, No 13, Nov., 1972

Contents

“Special Issue on Non-heattreated High Tensile Steels”

Commentary

- An Outlined View on the Studies of Metallurgical Technology of
Non-heattreated High Tensile Steels *Toru ARAKI*...1753

Technical Reviews

- Fine-Grained Low Carbon Structural Steels with Small Additions of
Niobium and/or Vanadium *Haruo Kaji, Shushi KINOSHITA, and Noboru HAYASHI*...1759
Metallurgical Variables Involved in Controlled Rolling of High
Tensile Steels and Its Application to Hot Strip *Tomoo TANAKA and Tei-ichi ENAMI*...1775
Characteristics of AlN-Bearing High Strength Steels
..... *Kazuo TACHIMOTO, Yosinori SAIKA, and Munemitsu FUKAGAWA*...1791

Commentaries

- The Use of High Strength Steel for Civil Engineering Structures
..... *Kohsuke HORIKAWA*...1806
Weld Crackability Formula of High Strength Steels
..... *Yoshinori ITO and Kiyoshi BESSYO*...1812

Technical Review

- On Fracture Toughness and Metallurgical Factors in High Tensile Steel
..... *Hiroshi MIMURA*...1822

Technical Papers

- An Investigation on Controlled Rolling of Low Carbon Killed Steel
..... *M. FUKUDA, T. HASHIMOTO, and K. KUNISHIGE*...1832
Investigation of Metallurgical Factors in the Production of High Strength
Steel Plate with High Toughness by Controlled Rolling
..... *H. MATSUBARA, T. OSUKA, I. KOZASU, and K. TSUKADA*...1848
A Study of As-rolled Low-carbon, High Notch-Toughness Steels
..... *S. MAEKAWA, K. MIYANO, and M. SHIMAZAKI*...1861
The Relation between the Alloying Elements and the Mechanical
Properties of Low-carbon Low-alloy Bainite
..... *T. KUNITAKE, F. TERASAKI, and Y. OHMORI*...1877
The Refinement of Microstructures of Si-Mn High Strength Steel
..... *R. OBARA and I. SHIGEMATSU*...1893

Special Lecture

- Development of Structural High Strength Steels in Japan and Some
Problems in Welding *Hiroshi KIHARA*...1903

-
- Abstracts.....1913, Library News.....1921, Notices to Members.....N207
Proceedings of the Institute.....N216
-

Overseas membership: Annual charges: ¥3600 (incl. postage) Initiation fee: ¥360