

“Tetsu-to-Hagané”

Vol. 48, No. 13, Nov. 1962

Contents

Foreword

Some Suggestions to Scientific Societies. *Kamekichi WADA*...1639

Technical Papers

Study on Reduction of Iron Sands by Waste Gas from an Electric
Furnace on the Fluidized Bed. *M. TANAKA* and *K. NAGANO*...1647

Sulphur Partition between Slag and Bath during
Melting Process of Stainless Steel.
..... *S. ARAKI*, *Y. SAMIZO* and *S. MARUHASHI*...1647

Change in Compositions of Various Metals before and
after Consumable Electrode Arc Melting.
(Basic study on consumable electrode arc melting method—I)
..... *M. NISHIHARA*, *Y. YAGI*, *K. NARITA* and *M. KURIHARA*...1654

On the Nonmetallic Inclusions of a Bearing Steel
Treated with Acidic Slag.
(Study on the treatment of molten steel with synthetic slag—I) *K. KATO*...1659

Gauge Variations of Strips Caused by Rolling Larger Slabs.
..... *G. AIKO* and *T. HIRAMOTO*...1667

Quenching Ability of Spray Quenching on the Induction Hardening.
..... *H. HOMMA*...1674

Study on the Isolation of Oxide Inclusions from Steel.
(Study on nonmetallic compounds in steels—I)..... *K. SEGAWA* and *H. SHIMADA*...1679

Special Lecture

Relation between Fundamental Researches
and Practical Processes in Steelmaking. *Shizuya MAEKAWA*...1685

Report of the Steel Technology Joint Research Society

On Treatment of the Blast into Blast Furnaces.
..... *Takeo ONODA*...1692

Report of the Japan Society for the Promotion of Science

Reports of the 19th Committee (Steelmaking),
(The 1st Subcommittee on Analysis)1700

Abstracts.....1706, Contents of the Recent Articles Published in Japan and
Overseas.....1711, Miscellaneous:—News.....1714, Information from
Scientific and Engineering Fields.....1716, Patent Section.....1717,
Proceedings of the Institute.....1721, Notices to Members.....N45

Overseas membership: Annual charge: \$ 8.00 (incl. postage) Entry fee: \$ 1.00