

## 外国最近刊行誌参考記事目次

**Journal of the Iron and Steel Institute. 184**

(1956) Part 3, Nov.

Alloy Carbides Precipitated during the Fourth Stage of Tempering. *K. Kuo.* p. 258Suction Pyrometers in Theory and Practice. *T. Land and R. Barber.* p. 269An X-ray Examination of Preferred Orientation and the Transformation  $\gamma \rightarrow \alpha$  in a Stainless-steel Wire. *K. W. Andrews.* p. 274The Thermal Conductivity and Electrical Resistivity of a 0.4~0.5% Manganese Steel. *R. W. Powell & R. P. Tye.* p. 286The Occurrence of  $\delta$  Sigma Phase in a High-Chromium-Nickel Steel with Particular Reference to the Influence of Silicon.*L. Pryce H. Hughes, & K. W. Andrews.* p. 289The Determination of the Alpha Phase Boundaries of the Iron-Nitrogen System by Internal Friction Methods. *R. Rawlings and D. Tambini.* p. 302Studies of Blast-furnace Assessment. *J. M. Ridgion & A. M. Whitehouse.* p. 249Increase Heating Rate for Steel Ingots. *P. M. Cook & J. D. Stringer.* p. 309Positive-type Rotary Compressors. *V. Barnett* p. 316

Blowers for Use in Iron and Steelworks.

*F. J. Potter & L. Duffy.* p. 331**Metal Progress 70** (1956) No. 4

Ferrosilicon Manufacture at Marietta.

*E. E. Thum,* pp. 65~72

A New Composition for Fast Malleable.

*A. L. Boegehold.* pp. 73~74

Finishes for Aluminum Alloys, Part I -Electrolytic or Anodic Coatings.

*Walter E. Pocock.* pp. 75~78Limitations to Processes Using a Metal as a Reducing Agent. *L. M. Pidgeon.* pp. 79~82Selection of Heat Treating Process and Equipment. *E. J. Pavesic and R. T. Sinnott.* pp. 83~85

Radial Draw Forming of Helicopter Compo-

nents. *L. Favreau.* pp. 88~91

Expendable Molds for Titanium Castings.

*A. L. Feild, Jr.,* pp. 92~96

Ultrasonic Shear Wave Testing.

*W. J. McGonnagle.* pp. 97~99Processing and Purification of Silicon for Semiconductor Use. *D. K. Hartman and P. L. Ostapovich.* pp. 100~103Automatic Submerged-Arc Welding of Alloy Steel. *R. A. Wilson.* pp. 104~107**Metallurgia, 54** (1956), September, No. 323The Effect of Nickel Content and Furnace Atmosphere on the Scale Formed on Nickel Steels. *K. Sacks.* pp. 109~114

Continuous Gas Carburizing of Gears. New Installation at E.N.V. Engineering Co. pp. 118~120

Anti-Vibration Levelling Mounts for Machine Tools. pp. 121~122

The Effect of Impurities on the Properties of Pure Iron. pp. 123~127

Starting-Up a Steel Foundry in 1890.

*E. N. Simons.* pp. 128~131

H. F. Heating Aids Production of Hydraulic Gear. pp. 131~132

Oxygen in Steelmaking. New Tonnage Plant at Morgan Inaugurated. pp. 133~137

An Examination of the Unicam S. P. 600 Spectrophotometer. *D. R. Curry and P. H. Scholes* pp. 145~149

Direct Study of Crystal Lattice and their Imperfections. p. 150

A Rapid Method of Estimating the Fatigue Limit or Endurance Limit in Reverse Bending. *J. McKeown.* pp. 151~156, 158A Direct Reading Phase Counter for Metallurgical Specimens. *R. J. M. Payne.* pp. 157~158**—, 54** (1956), October, No. 324The Fundamental Properties of Metals and Powder Metallurgy. *H. W. Greenwood.* pp. 187~188

Particle Size Determination in Powder Metallurgy. Review of Available Method.

L. A. Phelps. pp. 197~200

A Precision Universal Stage for the Microscopical Examination of Fracture Surfaces.

J. F. McNeil. pp. 207~210

### La Métallurgie et la construction mécanique

88 (1956) N° 10

乗用車の展望—新機軸がでていない, pp. 803~807

鑄造: Düsseldorf の国際展示会 (前号つずき),

pp. 809~814

熱処理: 摩耗抵抗を増すための高周波焼入 (熱機関その他の機械部品), G. W. Seulen, pp. 823~833

加工: 公差の実際問題. A. Vandeghen, D. Coart,

pp. 835~838

7,000t 鍛造プレス用のステンレス鋼製シュミーズ,

p. 838

工業加熱炉: 高周波方式の真空熔解. A. Bussard,

pp. 847~851

荷役: 実用運搬車の展示 (於 Versailles)

pp. 853~857

### Stahl u. Eisen, 76 (1956) Heft 21

Erzeugung von Stählen höherer Festigkeit in Basstahl-konverter. R. Kurt u. A. Wegscheider. S. 1337~1343

Die Vorgänge im Walzspalt und ihre Rückwirkung auf Walzkraft und Drehmoment beim Warmwalzen. L. Werner u. H. G. Müller. S. 1343~1356

Erfahrungen mit Druckkölzerstäubungs-Brennern an einem Knüppelstoßofen. N. Erich u. J. Seitz. S. 1356~1360

Feinguß in metallurgischer und technologischer Betrachtung.

K. Karl-August. S. 1360~1365

Einfluß der Randentkohlung bei der Stirnabschreck-Härtbarkeitsprüfung von Stählen.

R. Adolf u. L. Rademacher. S. 1366~1369

### — 76 (1956) Heft 21

Untersuchungen Zur Prüfung des Verhaltens von Erzen im Hochofen. W. Jacob, P. Dickens u. W. Esche. S. 1404~1409

Die Temperaturmessung im blasenden Thomaskonverter. K. Helmut, K. Mayer, G. Wiethoff u. W. Koch. S. 1410~1416

Der Verschleiß der Kanalsteine in Abhängig-

keit von der Steinart und der Stahlzusammensetzung. K. Sigismund, K. Breitel u. K. Heinemann. S. 1416~1426

Nichtmetallische Abscheidungen auf den Gießknochen sowie Kanalsteinverschleiß bei beruhigten Siemens-Martin-Stählen. S. K. Georg, H. Ende u. H. J. Seelisch. S. 1426~1441

Untersuchung über die Art und Verteilung von nichtmetallischen Einschüssen in Rohblöcken aus unberuhigtem, weichem Siemens-Martin-Stahl. H. Hubert, H. Lessing u. G. Masing. S. 1442~1452

Untersuchungen über die Temperaturstrahlung im Siemens-Martin-Ofen. P. Werner u. H. J. Bracksieck. S. 1453~1456

Hochwertige kaltverformte Betoneinlagen aus Konverterstahl. H. Hubert u. G. Fischer. S. 1471~1479

Korngrenzen und Korngrenzen-Zwischenstoffe in technischen Eisenwerkstoffen. G. Hans-Kurt u. H. Schenck. S. 1479~1486

## 国内最近刊行誌参考記事目次

### —学協会誌—

#### 日本金属学会誌 20 (1951) 11

フェロマンガニウムに関する研究 (Ⅱ) マンガン鉄製造時の珪素の還元に関する見掛の平衡について (2) 田辺伊佐雄, 外...593~597

一方向摩擦と往復摩擦による金属の摩耗比較の研究

(1) 摩耗試験機の概要とその性能について

(2) 鋼同志の摩耗について. 斎藤省三外, ...900~608

鋼の繊維状組織について (2) 繊維状組織の除去, 熱膨脹および耐蝕性の方向性. 矢島悦次郎, 外...612~615

鋼の深冷処理について (2) Ms' 点 M<sub>f</sub> 点に及ぼす焼戻の影響. 今井勇之進外, ...615~619

鋼に対する合金元素としての窒素

(18) 歪時効に及ぼす窒素の影響.

(19) 珪素またはマンガンの存在下における歪時効に及ぼす窒素の影響. 今井勇之進外, ...619~625

強靱工具の研究 (2) W-Co, Cr-Ni-Mo および Si-Mn-Mo 鋼に関する二, 三の実験. 田中 実...626~630