

国外最近刊行誌参考記事目次

Journal of the Iron and Steel Institute, 197

(1961) Part 1

Removal of scale from steel rod by stretching.

K. SACHS, et alius. p. 1

Carbide constitution and tempering behaviour of Cr-V-Nb steels at 700°C. K. C. MILLS, et alii. p. 9

Electron microscopical investigation of tempering of 18-4-1 high-speed steel.

C. H. WHITE, et alii p. 21

Microstructural causes of heat-affected zone cracking in heavy section 18-12-Nb austenitic stainless steel welded joints. N. E. MOORE, et alius p. 29

Effects of heat-treatment on impact-fatigue life of Ni-hard. R.H.T. DIXON. p. 40

Discussion at 39th Engineers Group Meeting.
p. 50

Journal of Metals, (1961) Feb.

Steel from copper salgs. E. J. FITZGERALD.
p. 135

The Ajax furnace and process.

A. JACKSON. p. 148

Blast Furnace and Steel Plant, 49 (1961) No. 1

Some practical considerations for the application of coal pulverization at coke plants.

J. W. LEONARD, et alius p. 45

Immersion ultrasonic inspection important as a test facility. p. 49

The changing iron ore industry.

R. M. LLOYD. p. 51

Bethlehem steel now producing pipe at steelton. p. 58

The mill of the future: The 80-inch hot strip mill. S. T. KRAFT. p. 62

Study of mold-iron compositions.

J. R. KATTUS. p. 66

Blast Furnace and Steel Plant, 49 (1961) No. 2

One-half century of sintering. E. W. SHALLOCK.
p. 145

Ohio Steel Foundry Co., maker of rolls, founded in 1907. C. LONGENECKER. p. 148

Study of mold-iron compositions. Part II

J. R. KATTUS. p. 159

Practical steel plant research. K. L. FETTERS.
p. 164

Steel plant to be built in Turkey. p. 171

Stahl und Eisen, 81 (1961) Heft 3

Increasing the efficiency of an experimental blast furnace by adding oxygen and carbon dioxide to the blast. R. SPOLDERS, et alius.
p. 149

Progress of reactions when refining steel by

top-blowing oxygen in rotating vessels.

P. E. HARDT, et alii. p. 155

Metallurgical principles of the "Phoenix-oxygen lance" process of steelmaking.

E. SCHURMANN et alius. p. 163

Investigation of the pick-up by and release of gas from the steel stream in top-pouring heavy forging ingots. E. SCHÜRMANN. p. 172

Investigation of roll wear with particular consideration of draft rolling in finish rolling hot strip. H. ALTMAYER, et alii p. 184

Modern operation of coke oven plants.

K. G. BECK. p. 195

Archiv für das Eisenhüttenwesen, 31 (1960) Heft 12
Zur Kinetik der indirekten Reduktion.

H. SCHENCK, et alius. s. 691

Graphische Ermittlung der Walzkraft beim Kaltwalzen. H. HENNIG, et alius. s. 703

Messung von Gasstoffwerten. H. SENFTLEBEN
s. 709

Photometrische Bestimmung von Bleispuren in Eisen und Stahl. S. MEYER, et alius. s. 711

Untersuchung über die Vollständigkeit der Erfassung des Schwefelgehaltes von Hüttenprodukten bei verschiedenen Verbrennungsverfahren. D. BLAZEJAK-DITGES. s. 717

Untersuchungen zur Verformungsalterung an weichen unlegierten Stählen durch Festigkeits- und Dämpfungsmessungen. W. HELLER, et alius. s. 723

Ursache und Entstehung des anomalen Gefüges in Stählen. H. J. WIESTER, et alii. s. 731

Ermittlung von Diffusionskoeffizienten in Eisen-Chrom-Legierungen. T. HEUMANN, et alius. s. 749

Untersuchung von besonders geformten titan- und schwefelhaltigen Einschlüssen in Roheisenschmelzen mit hohen Kohlenstoffgehalten. s. 755

Revue de Métallurgie, 57 (1960) No. 12

Reduction of magnetite in the gas-phase.

R. ZOJA, et alii. p. 1073

Study, by means of models, of the rate of mass transfer between metal and slag during the production of steel. P. ROCQUET et alius.
p. 1081

Study of the heterogeneity of large forging ingots. C. ROQUES, et alii. p. 1091

Development in the field of refractories for use in ferrous metallurgy. Achievements and present trends. J. BILAINE. p. 1117

Determination of carbon in steels and ferro-alloys with low carbon contents. R. DÉZIRAT.
p. 1125

Determination of oxygen in steels by melting

- in reducing conditions under argon.
Mlle M. HANIN p. 1133
- Quaternary slags CaO-MgO-Al₂O₃-SiO₂; temperatures at the beginning of solidification and solidification fields at constant-magnesia sections. G. CAVALIER, et alius. p. 1143
- Stal**, No. 2 (1961)
- Production of fluxed briquettes for iron and steel industry. V. P. ONOPRIENKO, et alii. p. 97
- Production of metallized pellets from fine-grained concentrates. V. Ia. MILLER, et alii. p. 102
- About process of melting ferromanganese in blast furnaces. I. I. KOROBOV, et alii. p. 107
- Balance of iron when using top-blown oxygen converters. S. I. LIFSHITS. p. 109
- Improvement of fissure-resistance of steelingots. A. A. KISSELEV, et alius. p. 112
- Heat insulation of nozzle metal of 8-15-t slab ingots. S. Ia. SKOBLO, et alii. p. 119
- Capacity of water jets of installation for continuous casting of steel. A. D. AKIMENKO, et alius. p. 124
- Increase of silico-chrome consumption rate when melting stainless steel. F. I. SHVED, et alii. p. 128
- Modern trends in designing ore-smelting electric furnaces. L. I. MOROZ. p. 130
- Oxidation and decarbonization of steels when firing heating furnaces by natural gas. K. M. PAKHALUIEV, et alii. p. 160
- About spotty liquation in 38ХМЮД steel. F. I. SHVED, et alius. p. 164
- Heat treatment and mechanical properties of light-weight railroad car wheels. M. Iu. SHIFRIN, et alius. p. 167

国内最近刊行誌参考記事目次

—学協会誌—

- 日本金属学会誌** 25 (1961) 3
 構造用 Ni-Cr 鋼第2種の熱処理と常温、高温における硬度、振り試験などについて。堀田秀次 … 174
 鉄鋼中の微量コバルトの光度定量法。後藤秀弘, 他 … 178
 鉄鋼中のタンクステンの光度定量法。後藤秀弘, 他 … 184
 高温水による不銹鋼の腐食。前川立夫, 他 … 195～197
 振り試験による鑄鉄の粘り強さの測定。谷村 澪, 他 … 198
 Si-Cr-Mn 鋼のオーステンパーによる相変化について。岡本正三, 他 … 201
 マルテンサイト変態におよぼす外部応力の影響。萩原 嶽, 他 … 213
 Alnico 5 磁石の磁歪におよぼす時効処理の影響。

- 藤原達雄, 他 … 216
铸物 33 (1961) 4
 鋼鑄物におけるシエルモールドの背圧について。鈴木和郎, 他 … 253～259
 放射性同位元素による球状黒鉛発生機構の検討。谷村 澪, 他 … 260
 热処理を施した含チタン共晶黒鉛鑄鉄の摩耗現象について。竹内栄一 … 271
溶接学会誌 30 (1961) 4
 軟鋼溶着金属の切欠靱性におよぼす合金元素の影響。(第6報)。榎原千代 … 32
 溶接過程における溶滓と溶鋼との間の化学反応に関する物理化学的研究(第1報)笠松 裕 … 50
溶接学会誌 30 (1961) 5
 鋼材のアーク溶接における連続冷却変態。アンドレイ・ハバルダ … 306
 軟鋼溶着金属中の酸素量(第2報)加藤和夫 … 335
分析化学 10 (1961) 5
 螢光X線分析法による不銹鋼中のモリブデンおよび銅の定量。桃木弘三 … 523
- 研究機関誌—
- Technical Reports of the Engineering Research Institute Kyoto University** 11 (1961) 7 Report No. 84
 Kerbwirkung in der Ermüdung von Stahl unter erhöhten Temperaturen. M. KAWAMOTO, et alii. 1～14
- The Science Reports of the Research Institutes Tōhoku University** 13 (1961) 2
 Nitrogen as an alloying element in steels. The effect of nitrogen on the tempering of cold-worked steels. Y. IMAI, et alii. 57
- Malleable cast iron specially controlled on the mutual relations between silicon, manganese and sulfur. M. HOMMA, et alii. 82
- Activity of chromium in liquid iron-chromium system. H. WADA, et alii. 96
- Memoirs of the Institute of Scientific and Industrial Research Osaka University** 18 (1961)
 Moiré pattern and dislocation grid in pure iron. Z. NISHIYAMA, et alius. 55
 Distribution of dislocations in pure iron deformed at low temperatures. Z. NISHIYAMA, et alius. 65
 The martensite transformation in thin foils. Z. NISHIYAMA, et alius. 71～80
- 金属材料技術研究所研究報告** 4 (1961) 1
 18Cr-12Ni 系オーステナイト不銹鋼の諸性質におよぼす Mo の影響。中川龍一, 他 … 1
 MK系異方性磁石合金の熱処理と組織について。山川和郎 … 15
- 名古屋工業技術試験所報告** 10 (1961) 5
 溶鋼と耐火物との反応(第7報) 加藤 誠, 他 … 308.
 (以下 880 ページにつづく)