

国外最近刊行誌参考記事目次

Journal of the Iron and Steel Institute Vol. 192

(1959) Part 3

Review of steelmaking processes.

*T. P. Colclough*. p. 201

Effect of copper on martensite breakdown and hardenability of a 0.3% C steel.

*A. S. Kenneford*. p. 215

Controlled-transformation stainless steels.

*K. F. Irvine, et alii*. p. 218

Stress-dependent damping capacity of ferromagnetic metals. *G. Sumner et alius*. p. 238

Electrolytic jet machining technique for production of thin foils of steel. *P. M. Kelly, et alius*. p. 246

Mechanical properties of hardened high-speed tool steels. *F. C. Clayton-Cave, et alius*. p. 248

Spectrographic determination of residual elements in steel. *BISRA Spectrographic Analysis Sub-Committee*. p. 253

Tempering of 2½% Cr-1% Mo steel after quenching and normalizing. *R. G. Baker, et alius*. p. 257

Austenite transformation and the Greniger-Troiano technique. *E. G. Ramachandran, et alius*. p. 268

Discussion on papers at the Autumn General Meeting, 1958. p. 269

Blast Furnace and Steel Plant Vol. 47 (1959)

No. 8

Coke plant production of di-ammonium phosphate at the Fontana Works of the Kaiser Steel Corporation. *W. H. Steritz JR.* p. 839

Rod mill has speeds up to 6500 feet per minute. p. 846

Research into steelmaking processes being conducted at South Works. 849

Experience with self-fluxing sinter at the steel Company of Canada, Limited. Part II

*J. S. McMahan*. p. 852

Strip made from ore at new research center. p. 857

Stahl und Eisen 79 (1959) Heft 16

The low-shaft blast furnace of Ougrée as a small experimental furnace. Results of the operation in 1958. *E. Bonnaure*. p. 1105

Nitrogen as an alloying element in manganese-Vanadium structural steels from the open-hearth furnace. *H. J. Wiester, et alii*. p. 1120

Measuring the dust content in industrial gases and in the air, measurements of the dust deposited on the ground. *K. Guthmann*. p. 1129

Stahl und Eisen 79 (1959) Heft 17

The electric smelting furnace for reducing iron ores in a fluidized bed. *W. Wenzel*. p. 1183

Character and causes of volume changes during the sintering of compacts made of iron-copper and iron-copper-graphite powders.

*G. Bockstiegel*. p. 1187

Ancient German settlement with bloomery hearth and forge at Salzgitter-Lobmachersen. *G. Stelzer*. p. 1201

Metallurgical information gained from the discoveries of a bloomery hearth, of wrought steel and slags at Salzgitter-Lobmachersen. *B. Osann*. p. 1206

Journal of Metals. September (1959)

Nitrogen quench of experimental blast furnace. *J. J. Bosley, et alii*. p. 610

Hydrogen and segregates in flaking. *T. E. Scott, et alius*. p. 619

Basic construction in the open hearth. *A. H. Sommer*. p. 623

Stali (1959) No. 6

Primary slag formation when using fluxed sinter in blast furnace. *Iu. M. Potebnia, et alius*. p. 485

About influence of hot-blast temperature dimensions of oxidizing zone in a blast furnace. *I. F. Koval*. p. 497

Reduction of iron ore concentrates in fluidized bed by carbon monoxide. *I. S. Roginsky*. p. 500

Using of high pressure natural gas for heating open-hearth furnaces. *A. I. Urinson*. p. 504

Investigation of ports in gas fired open-hearth

- furnaces when feeding compressed air and oxygen. *S. M. Andon'ev, et alii.* p. 509
- Thermal performance of open-hearth furnace when blowing oxygen or oxygen-steam mixture into the bath. *V. N. Kornfel'd, et alii.* p. 513
- Mechanization of slag removal from slag pockets of open-hearth furnaces. *M. P. Sabiev, et alii.* p. 521
- Investigation of regulators and electrode travel gears of steelmelting furnace. *A. I. Sapko.* p. 526
- Rolling of heavy plates with edging in the mills with vertical rolls. *M. E. Kugaenko, et alii.* p. 532
- Roll pass designing and rolling of large (No. 40) light-weight channel. *I. I. Kuchko, et alius.* p. 538
- Application of cooled mandrel bars in disc piercing mill. *N. E. Protsky, et alius.* p. 546
- Weldability of low-alloy converter steels. *A. S. Astaf'ev.* p. 553
- Influence of heating and cooling conditions of low-carbon steels on precipitation of aluminum nitrides and properties of these steels. *E. S. Levinson.* p. 563
- Some thermotechnical problems in operation of large capacity open-hearth furnaces. *M. A. Glinkov, et alius.* p. 568
- Purifying of return water, circulating installations for cleaning top gases of blast furnace, when smelting ferro-manganese. *G. D. Pavlov, et alius.* p. 574
- Stali (1959) No. 7**
- Investigation of properties and process of production of pellets, made of magnetite concentrates. *S. I. Sharov, et alii,* p. 577
- Automatic control of blast furnace process by means of analog computers for continuous calculation of iron reduction factors. *M. P. Levitssky.* p. 583
- Smelting of low-manganese iron under conditions, prevailing at Southern Iron and Steel Works. *L. M. Freidin. et alii* p. 587
- About change of performance index, characterizing open-hearth furnace operation. *D. A. Smoliarenko, et alii.* p. 604
- Alloying of Austenitic chrome-manganese steels with nitrogen. *F. Poborzhil, et alius.* p. 617
- Increase of resistance to wear of rolls for continuous strip mills. *A. E. Krivosheev, et alii.* p. 629
- Properties of the A12A grade automatic steel, deoxidized with aluminum. *Senberg.* p. 643
- Process of formation of external fissures on ingots during hot rolling. *I. T. Baruzdin.* p. 649
- About appraisal of quality of alloys used for manufacture of electric heaters. *N. V. Semenova, et alius.* p. 652
- Influence of rolling process and carbon content on properties of deep-drawing steel, killed with aluminum. *Kh. Sh. Levinson.* p. 655
- Influence of equipment used in open-hearth plants on their production indexes. *V. Sobolev.* p. 658

### 国内最近刊行誌参考記事目次

#### —学協会誌—

#### 日本金属学会誌 23 (1959) 8

炭素鋼の熱処理と室温内部摩擦の関係. 美馬源次郎, 他...469~473

磁化曲線直視装置による高炭素高クロム鋼の Ar'' 変態に関する研究. 松倉恒夫, 他...473~477

真空熔解における Fe-S, Fe-C-S 合金の脱硫に関する実験と熱力学的考察. 大野稔一...489~493

真空熔解における Fe-Si-S, Fe-C-Si-S 合金の脱硫に関する実験と熱力学的考察. 大野稔一...493~497

#### 鑄物 31 (1959) 9

ボロン, 銅合金可鍛鑄鉄について. 下村 力, 他...781~787

マグネシウム添加による球状黒鉛鑄鉄の熱処理とその性質. 堀田秀次, 他...788~793

カルシウムの黒鉛球状化能におよぼす硫黄の影響. 丸山益輝, 他...793~799

#### 材料試験 8 (1959) 10

高温における低炭素鋼の引張繰返曲げ動クリープと残留応力. 平 修二, 他...781~786