

国外最近刊行誌参考記事目次

Journal of the Iron and Steel Institute 194

(1960) Part 4

Some aspects of steel extrusion.

R. Cox, et alii. p. 423

Embrittlement of a 12% Cr-4% Ni Steel.

G. T. Brown, et alius. p. 435

Kinetics of first-stage graphitization in commercial white irons. *J. Burke.* p. 443

Thermodynamics of mixtures of ferrous sulphide and oxide. *E. W. Dewing, et alius.* p. 446

Location of Byrkeknott, a 15th-century smelting site. *R. F. Tylecote.* p. 451

Changes occurring in the surfaces of mild-steel specimens during fatigue stressing.

G. F. Modlen, et alius. p. 459

A creep-resisting steel containing 7% Cr.

G. A. Mellor, et alius. p. 464

Some observations on hydrogen cracks.

K. Kornfeld. 474

Use of excess air during the ignition of a low-grade sinter mix. *D. F. Ball.* p. 479

The modern plate mill. *M. F. Dowding, et alii.* p. 486

Journal of the Iron and Steel Institute 195.

(1960) Part 1

The Italian iron and steel industry. p. 16

Phenomena occurring in the quenching and tempering of steel. *G. V. Kyrdjumov.* p. 26

Precipitation of nitrides. *J. Ježek, et alii.* p. 49

Thermodynamics of the conversion of magnesium and manganese oxides to sulphides.

E. W. Dewing, et alius. p. 55

Activity of calcium oxide in slags.

M. R. Kalyanram, et alii. p. 57

Influence of non-metallic inclusions on fatigue properties. *M. Atkinson.* p. 64

Desulphurization of molten steel by solid lime.

R. G. Ward, et alius. p. 75

Kinetic features of upper and lower bainite formation in a plain C and a 3% Ni-Cr steel.

J. S. White, et alius. p. 79

A visual method of primary slag control.

J. D. Sharp, et alii. p. 83

New electric melting shop.

R. S. Howes, et alius. p. 95

Blast Furnace and Steel Plant 48 (1960) No. 6

Inwall thermo-couples guide to better blast furnace operation. *J. S. Kapitan.* p. 561

Economies in the use of refractories.

K. W. Hansen. p. 567

Automation for sinter plants. *D. E. Hamilton,*

et alius. p. 569

Continuous cycle heating-cooling furnace provides a better structure control in annealing.

A. G. Sturrock. p. 581

Some maintenance aids for steel mill rotating equipment. *J. H. Greiner.* p. 584

Review of iron and steel literature for 1959.

Part II. *E. Chesire.* p. 615

Journal of Metals 1960 June

Rocket materials: A challenge for metallurgists. *E. S. Jones.* p. 449

Ductile iron review. p. 459

Cooperative research in Britain's Steel Industry. *D. U. Hunt.* p. 476

Journal of Metals 1960 July

LD in the beginning. *F. W. Starratt.* p. 582

Place of basic oxygen steelmaking.

A. B. Wilder. p. 529

Physical chemistry of oxygen steelmaking.

D. L. McBride. p. 531

New developments in LD steelmaking.

H. A. Trenkler. p. 538

LD steel from high-phosphorous iron.

G. Messin, et alii. p. 542

Pneumatic processes for converting high-phosphorous iron. *P. Coheur.* p. 545

Notes on algoma's LD steel plant.

C. C. Benton, et alius. p. 548

Soviet LD steel installation. p. 552

Dust removal in oxygen steelmaking. p. 554

Metallurgical characteristics of the Kaldo process. *B. Kalling, et alii.* p. 558

Bottom blowing with oxygen.

G. Savard, et alii. p. 566

Stahl und Eisen 80(1960) Heft 10

The economic efficiency of a full-continuous light section rolling mill train.

W. A. Antoni, et alius. p. 641

Measures taken for a rational operation in the Siegerland ore mining industry. *G. Schröder.* p. 652

Investigations on the formation and precipitation of deoxidation products.

E. Plöckinger, et alius. p. 659

Contribution to the planning of heating furnaces for high-capacity finishing trains.

H. J. Pohle. p. 670

The natural gas of the Lacq and Northern Sahara deposits and its importance to the supply of fuels for Western Europe.

M. Ussar. p. 676

Stahl und Eisen 80 (1960) Heft 11

The development of open-hearth steel production in Western Germany after 1950 and the present state of performance and cost.

- W. Kahnis, et alius.* p. 721
 New findings obtained in blowing pure oxygen on to the surface of the bath of high-phosphorus pig iron. *K. G. Speith, et alii.* p. 733
 The vacuum treatment of steels in the pouring ladle. *K. G. Speith, et alii.* p. 737
 Manufacturing costs on bar mills rolling special steels as dependent on the performance and lot size. *G. Ibach.* p. 744
 The water supply system of an iron and steel works. *E. Knecht.* p. 751
 The cranes installed in the iron and steel works Rourkela in India. *H. Rieländer.* p. 756
Archiv für das Eisenhüttenwesen 31 (1960) Heft 5
 Untersuchungen über die katalytische Beeinflussung des Zerfalls von Kohlenmonoxyd. *H. Schenck, et alius.* s. 271
 Zur Kenntnis der Oxydeinschlüsse in Eisen-Chrom-Sauerstoff-Schmelzen. *W. Koch, et alii.* s. 279
 Verfahren zum Nachweis von Spannungen in den einzelnen Zonen eines Härtingsgefüges. *H. Borchers, et alius.* s. 287
 Zusammenhang zwischen inneren Spannungen, Massänderungen und Gefüge bei der Warmbadhärtung von Stahl. *H. Borchers.* s. 291
 Einfluss des Kohlenstoffgehaltes und der Versuchstemperatur auf die Verfestigung und den spezifischen elektrischen Widerstand ferritischer und austenitischer Stähle während einer Kaltverformung. *E. Schmidtman, et alii.* s. 299
 Einfluss eines allseitigen Drucks auf Gefügeumwandlungen in Stahl. *W. Jellinghaus, et alius.* s. 309
 Das Dreistoffsystem eisen-Silizium-Beryllium. *R. Vogel, et alius.* s. 319
Revue de Métallurgie 57 (1960) No. 4
 Activities of the commission des Ingénieurs des Cokeries (Coke-oven Engineers' Committee). *M. Duvivier.* p. 287
 The concept of motion quantity at the burner and the firing of open-hearth furnaces. *M. Rivière.* p. 297
 Policy and practical results of researches recently carried out in France in order to improve open-hearth firing conditions. *L. Septier, et alii.* p. 303
 Pre-stressing the housings of rolling mills. *P. Ortner.* p. 311
 Possibilities offered by the C. T. S. weldability test. *H. Granjon.* p. 319
 Application of Locatis' method for checking the fatigue limits of automobile parts.

C. Daubertes, et alii. p. 337

Differential determination of oxygen in metals by bromidation-reduction. *R. Durand, et alius.* p. 347

国内最近刊行誌参考記事目次

—学協会誌—

日本金属学会誌 24 (1960) 6

X線による熱処理炭素鋼の疲労の研究. 平 修二, 他...331

σ 変態速度への事前熱処理の影響. 熊田健三郎...335

滲炭窒化層の外層について. 吉川文岳...339

酸化期における溶鋼のガス分析用試料採取方法.

重松八郎, 他...359

Fe-Si-Cr 系合金の高温酸化膜およびスケール.

梶山正孝, 他...370

スラグ塩基度の新しい表示式と製錬反応への応用.

森 一美...383

モリブデン鋼中の炭化物について. 佐藤知雄, 他...395

— 24 (1960) 7

鋼線の硬度和組織との関係. 西岡多三郎, 他...417

0.06% C 鋼面上の W-Co メッキ層およびその浸炭層の酸化について. 山本 久...421

高速度鋼の窒化处理について. 小柴定雄, 他...429

高C-高V高速度鋼中の炭化物について. 小柴定雄, 他...437

構造用合金鋼の靱性におよぼすベイナイト組織の影響
津谷和男...440

マルテンサイトおよび焼戻マルテンサイトの内部摩擦
市山 正, 他...456

モリブデン鋼中の炭化物について (続報) 佐藤知雄, 他...469

合金鋼の第4焼戻過程における炭化物反応と2次硬化
および体積変化について. 佐藤知雄, 他...473

鑄 物 32 (1960) 7

モリブデンニッケル系鋳鉄の熔湯処理とS曲線 (第2報) 音谷登平, 他...476

白鉄の鑄造組織におよぼす珪素, マンガンの影響.
茨木正雄...482

恒温処理を施した鋳鉄の耐摩耗性. 小川喜代一...490

鋳鉄中の水素の分析法. 鹿島次郎, 他...497

遠心鑄鋼品の分析および非金属介在物と亀裂原因に関する調査結果. 落合三雄, 他...497

熔鉄鋼の真空処理について. 前川静弥...515

溶接学会誌 29 (1960) 7

諸鋼材の冷却時間と溶接割れ, 関口春次郎, 他...517
軟鋼溶着金属の切欠靱性におよぼす合金元素の影響.

(第4報) 神 鳳千代...539

溶接用諸鋼材の冷却時間と脆性 (第4報) 関口春次郎
他...552

(以下 1494 ページにつづく)