

参考文献

国外最近刊行誌参考記事目次

Journal of the Iron and Steel Institute, 201

(1963) Part 1

Review: 'High-strength steels.'

L. ROTHERHAM. p. 1

Delhi Pillar: corrosion aspects.

W. E. BARDGETT et alius. p. 3

Evaporative losses during vacuum induction melting of steel. R. G. WARD. p. 11

Mechanical behaviour of temper rolled steel sheets. R. D. BUTLER et alius. p. 16

Deformation of non-metallic inclusions during rolling of steel. T. MALKIEWICZ et alius. p. 33

Performance criteria applied to roughing and finishing stands of a plate mill.

W. L. MARKS. p. 39

Influence of small Nb additions on mechanical properties of commercial mild steels.

W. B. MORRISON et alius. p. 43

Effects of external energy on fracture in notch tensile test of mild steel.

R. E. M. BALL et alius. p. 47

Effect of temperature and neutron irradiation on yield and work hardening in iron.

I. L. MOGEORD et alius. p. 55

Mineralogy and reducibility of self fluxing sinter. E. MAZANEK et alius. p. 60

Silica reduction reaction in the blast-furnace.

D. A. R. KAY et alius. p. 67

Journal of the Iron and Steel Institute, 201

(1963) Part 2

Report of Autumn General Meeting. p. 97

Control of fume from electric arc furnaces.

E. DAVIES et alius. p. 100

Lattice expansion of Fe-Si alloys and volume change at A_3 point. G. H. COCKETT et alius. p. 110

Equilibrium between FeO - MnO - MgO - SiO_2 slags and molten iron at $1550^\circ C$. H. B. BELL. p. 116

Liquidus \leftrightarrow solidus relations in iron-rich alloys of the systems Fe-Tc, Fe-Os, Fe-Ir, Fe-Au. R. A. BUCKLEY et alius. p. 121

Structural features of isothermal ageing at elevated temperatures of four austenitic steels. P. W. TEARE et alius. p. 125

Viscosities in silicate slag systems.

Mrs P. M. BILL.

Heat capacity of Fe at 800 - $1420^\circ C$.

W. A. DENCH et alius. p. 140

Effect of high pressure on isothermal trans-

formation of austenite in Fe-C alloys.

S. V. RADCLIFFE et alii. p. 143

Oxidation of stainless steel in CO_2 /CO atmospheres at 750° and $900^\circ C$.

H. T. DANIEL et alii. p. 154

Tensile properties of single crystals of Fe-Cr alloys. G. T. HORNE et alii. p. 161

Journal of Metals, (1963) Jan.

A conference on metallurgical education.

M. E. NICHOLSON. p. 15

California's changing metallurgy curriculum.

R. HULTGREN. p. 20

A program for metallurgical engineering education. R. G. REDELF'S. p. 22

Maintaining the skills of practicing metallurgical engineers. p. 25

Steelmaking in the Ukraine.

W. CARROLL. p. 29

Soviet steel 1962. W. CARROLL. p. 31

Around the world for 800 days.

B. C. GIJESSEN et alius. p. 32

Mining and metallurgical education in the new world. F. R. MORRAL. p. 37

Blast Furnace and Steel Plant, 51 (1963) No. 1

Data processing and slab inventory control.

J. C. ROSSER. p. 21

Fuel oil injection into blast furnaces of Fuji Iron and Steel Co., Ltd.

M. HIRASE. p. 25

Why is the X-ray thickness gauge important?

J. W. WALLACE. p. 32

High density silica brick for faster coke oven heating rates. D. O. McCREIGHT et alius. p. 34

Electrical equipment for metal rolling mills....

Part IV. H. N. SNIVELY. p. 39

Blast Furnace and Steel Plant, 51 (1963) No. 2

Empire-Reeves Steel Corporation maintains practices for modern production.

C. LONGENECKER. p. 123

Problems with low carbon steel in the automotive industry. P. G. NELSON. p. 135

Electrical Equipment for metal rolling mills.

Part V. H. N. SNIVELY. p. 140

Direct periclase-to-chromite bond brick now made commercially. p. 148

Jones and Laughlin Rolls "thin tin plate" on

a three stand mill. p. 149

Year-end summary and '63 forecast for iron and steel scrap industry. p. 151

Stahl und Eisen 83 (1963) Heft 1

Process of life, surrounding factors and per-

- formance of man. E. G. SCHENCK. p. 1
Changes in the iron and steel industry.
A. MICHEL. p. 10
The use of dolomite in the production of basic pig iron and its effect on the applicability of basic pig iron slag to road construction.
O. STEINHAUER et alius. p. 17
Experiences made with the use of natural gas, in particular, natural gas mixed with blast furnace top gas and cold producer gas.
A. VACEK. p. 25
Effect of remelting steel in the vacuum arc furnace on the properties of high-strength structural steels used in aircraft construction. H. G. BRANDT. p. 30
The accidents in the iron and steel industry of the Federal Republic of Germany in 1961.
K. H. SPELTER. p. 36
- Stahl und Eisen** 83 (1963) Heft 2
Effects of the development of metallurgical processes on the future pattern of heat and power supply of integrated iron and steel plants. F. WESEMANN. p. 65
Process of gas scavenging pig iron and steel in the ladle. K. G. SPEITH et alius. p. 75
Design and control of cranes and manipulators in the forge. E. BERNHÖFT. p. 81
Contribution to the knowledge of nitrogen solubility in iron alloys within the temperature range of 700 to 1200°C.
H. SCHENCK et alius. p. 93
- Stahl und Eisen** 83 (1963) Heft 3
Method for testing the reduction of iron ores.
L. von BOGDANDY et alius. p. 129
The significance of technological influences in data collection and data programming in steelworks and rolling mills.
U. SABASS et alius. p. 139
Change of mechanical properties of rail steels due to hydrogen effusion.
W. HELLER et alius. p. 145
Investigations of the conditions of formation of technically useful oxide layers.
H. SCHENCK et alius. p. 154
On the determination of hydrogen content of steels, mainly aluminum killed.
H. SCHENCK et alius. p. 162
On the efficiency of air-conditioning plants in crane cabs. R. SIMON. p. 166
- Revue de Métallurgie** 59 (1962) No. 12
Use of fluidisation coke for sintering on the grid. M. BOUCRAUT. p. 1007
Possibilities of progress in the preparation and use of refractory materials in iron and steel works. J. BARON. p. 1015
- Progress and development of refractory products in ferrous metallurgy. J. P. KIEHL. p. 1031
Influence of various trace elements on the forgeability of half-hard steel. (second part)
Ph. A. PROTEVIN. p. 1043
Electrolytic polishing in industry.
Achievements and prospects.
P. A. JACQUET. p. 1055
A defect observed on parts treated with carbon nitride in a continuous furnace.
J. MARTY et alius. p. 1071
- Archiv für das Eisenhüttenwesen**, 33 (1962)
Heft 12
The significance of the viscosity and the surface tension of a melt, in the de-slagging process. K. H. KARSCH. p. 805
On the kinetics of the oxygen top blowing processes. H. KRAINER et alii. p. 809
Reaction to annealing of wüstite inclusions in iron. W. A. FISCHER et alius. p. 817
Approximate calculation of the chemical activity of components of ternary systems using a limited number of initial values.
U. FELDMANN. p. 827
Machineability of specimens from various melts of CK 45 steel. H. OPITZ et alius. p. 831
Effect of oxide inclusions on the machineability of CK 45 steel with hard metal turning tools.
H. OPITZ et alii. p. 841
The potential dependence of the intercrystalline corrosion of a tempered austenitic chromium-nickel steel. H. J. SCHÜLLER et alii. p. 853
Investigations on intermittent precipitation in carbon and nitrogen alloyed cast austenitic iron-chromium-manganese-nickel alloys.
M. NACKEN. p. 863
Determining the equilibria in the ternary system iron-cobalt-manganese.
W. KÖSTER et alius. p. 873
Heats of formation of α -and-iron-cobalt-alloys.
W. STEINER et alius. p. 877
- Archiv für das Eisenhüttenwesen**, 34 (1963)
Heft 1
Investigations on the packing density of heaps of stone. F. SOMMER et alius. p. 1
The significance of available exergy in the thermodynamic investigation of the blast furnace process. H. BRAUER et alius. p. 9
Effect of deformation during cold rolling and rerolling on the anisotropy of the mechanical properties of deep-drawing steel strip.
H. BORCHERS et alii. p. 17
Investigations of the rates of reaction in the decarburisation of ferrochrome and chromium

carbides by various oxides in the solid, and the influence of catalysts.

G. NAESEN et alii. p. 27

Investigations of mutual activation effects in homogeneous metallic poly-component solutions.

Part I. Experimental investigations of the systems manganese-carbon-X, cobalt-carbon-X, nickel-carbon-X in the liquid phase.

H. SCHENCK et alii. p. 37

Part II. Theoretical considerations.

H. SCHENCK et alii. p. 43

On the thermodynamics of molten iron-rich and carbon-bearing ternary alloys.

U. FELDMANN. p. 49

Researches concerning the system iron-phosphorus-oxygen. G. TRÖMEL et alius. p. 55

Metallographic investigations to determine the temperature range of the commencement of melting of austenitic chromium-nickel steels stabilised with titanium or niobium.

H. J. SCHÜLLER. p. 61

Influence of a static compressive stress on the internal stresses in steel bars with non-uniform strength across the cross-section.

H. BÜHLER. et alii. p. 69

国内最近刊行誌参考記事目次

一学協会誌

鑄物 35 (1963) 3

鋳鋼用鋳型の吸湿について. 光井友三郎…119

鋳鋼の押湯保温剤の研究. 郡 勇…129

低 Mn-Mo 鋳鋼の製造について. 宮崎勢四郎…137

高抗張力鋳鋼によるパイプコネクションの製造について. 中村正則, 他…149

オーステナイト系耐熱鋳鋼の熱疲労に関する研究. 安達秀男, 他…159

小物鋳鋼品のホットトップの適用について. 安達秀男, 他…165

溶接学会誌 32 (1963) 3

被覆アーク溶接棒の溶滴移行性について (第1報)

石崎敬三, 他…187

被覆アーク溶接棒の溶滴移行性について (第2報)

石崎敬三, 他…192

Plate-Girder の直線継ぎと段違い継ぎとの比較研究

(第2報) 濑良 茂, 他…199

異種金属溶接部の炭素の移動. 根本 正, 他…205

ボンド・フラックスによるサブマージド・アーク溶接の研究 (第2報) 一海俊景, 他…213

材料 12 (1963) 114

Cr-Ni系オーステナイトステンレス溶着鋼の高温強度

佐々木良一…130

時効硬化性の異なる耐熱材料の切欠クリープ破断試験

(第2報) S-816 材について. 栗山良員, 他…136

Photograting 法のクリープひずみ測定への応用と切

欠材のフリープ変形. 田中吉之助, 他…142

クリープにおける応力休止の影響について.

平 修二, 他…148

低炭素鋼の静引張繰返ねじり組合せ応力下の多軸動クリープ. 平 修二, 他…154

ガスターイン翼の熱疲労. 山内英和, 他…167

熱間圧延用ロール材料の Fire-crack 特性.

渡辺十郎, 他…173

鍛鉄の熱衝撃強度と熱疲労強度の相関性.

平 修二, 他…184

塑性と加工 4 (1963) 25

線材の冷間圧延加工における変形について.

柳本左門…79

—研究機関誌—

名古屋工業技術試験所報告 12 (1963) 4

鋼とけい砂との反応. 萩輪 晋…206

The Science Reports of the Research Institutes

Tōhoku University 15 (1963) 1

Wear Resisting Properties of Cast Irons Having Different Shapes of Graphite. Y. ABE…12

—会社刊行誌—

石川島播磨技報 3 (1963) 10

IN 鋼に関する基礎的研究

—第3報低温高靱性炭素鋼の中間実用化研究—

中村 素, 他…117

IN 鋼に関する基礎的研究

—第4報低温高靱性高張力鋼の研究—

中村 素, 他…128

電気製鋼 34 (1963) 1

螢光X線による鉄鋼分析法 (1)

(Mn-Ni-Cr-Mo 系合金鋼の分析)

足立敏夫, 他…5

連続加熱炉内におけるスキッドマークの計算.

野田 浩, 他…17

単軸遊星圧延法の研究 (第1報) 広瀬輝夫…23

ガスクロマトグラフィーによる炉気の分離分析について.

保田正文…32

ガス浸炭炉用 Cr-35 Ni 耐熱鋼製部品にあらわれる

ある種の著しい侵食現象について. 保田正文…40

日立評論 45 (1963) 3

オーステナイト鋼の窒化. 根本 正, 他…514

日立評論 45 (1963) 4

光電式自動記録型発光分光分析装置による鋼中Pの定量について. 河合重徳, 他…689

日立造船技報 24 (1963) 1

インゴットに対する Al の影響 (第1報).

岡 裕…57