

## 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 12  
Cutting steel and iron with cemented carbide tools. Part II The influence of metallurgical factors in the flow zone. E. M. TRENT. p. 1001  
The constitution of non-metallic inclusions in steel. R. KIESSLING et alius. p. 1016  
Structure related to hot ductility of three austenitic steels. J. BARFORD et alius. p. 1025  
Improved properties of extra high-purity steel at tensile strengths up to 150 tons/in<sup>2</sup>.  
C. L. M. COTTRELL et alii. p. 1032  
Internal friction effects in martensite.  
R. WARD et alius. p. 1038  
The accuracy of lineal analysis in metallographic investigations. T. GLADMAN. p. 1044  
The ISCOR tandem furnace process. p. 1050
- Stahl und Eisen 83 (1963) Heft 24**  
Injection of heavy oil with high blast temperature, fully prepared burden, and oxygen enrichment of blast.  
H. Th. BRANDI et alii. p. 1541  
Types of tools for cogging difficultly workable steels. M. KRONEIS et alius. p. 1536  
The power and work requirements of a continuous light section train.  
W. SCHWENZFEIER et alius. p. 1553  
Contribution to the solution of the problem of off-lengths with semifinished products.  
K. H. MOMMERTZ. p. 1561  
The accidents within the iron and steel industry of the German Federal Republic in 1962  
K. H. SPELTER. p. 1565
- Stahl und Eisen 83 (1963) Heft 25**  
The fatigue strength of springs made of oil quenched and tempered and of patented hard drawn wires. F. BLEILÖB et alius. p. 1605  
Effect of different conditions of patenting on the structure and mechanical properties of drawn steel wire with particular consideration of its manganese content.  
H. J. BÖCKENHOFF. et alii. p. 1616  
Comparison of various methods of determining yield stress at room temperature.  
U. KRAUSE. p. 1626  
Effect of the hot-dip galvanizing conditions on the thickness, constitution and properties of zinc coats. F. STRICKER et alius. p. 1640  
Questions of the location of the Siegerland iron industry in the middle of the 19th C.  
K. F. MENN. p. 1647
- Stahl und Eisen 83 (1963) Heft 26**  
Ferrous metallurgy in Germany and abroad; suppositions, comparisons and conclusions.  
H. SCHENCK. p. 1683  
Integrated work preparation, data determination and processing with punched cards for a new heavy plate mill. E. MORITZ. p. 1691  
Operation test on efficiency of the blast furnace by pellet charging. Discussion to the report. by U. PETERSEN et alii. p. 1695  
Mathematical calculation of blast furnace processes for planning and control of operation and of ore selection. Discussion to the report by R. WARTMANN. p. 1697
- Archiv für das Eisenhüttenwesen 34 (1963)**  
Heft 11  
The first planned investigation of blast furnace process and the first gas analysis 125 years ago. H. BOCKSHAMMER. p. 813  
Influencing the structure of nitrated gun-barrel steel by annealing above the nitrating temperature. J. RESCHKA. p. 817  
Investigations into the solubility of nitrogen in Iron-Manganese alloys at 1000°C and pressures of up to 65 at.  
H. SCHENCK et alii. p. 825  
A hot-stage microscope for large sheet specimens and its application to certain questions of grain growth.  
K. H. SCHMIDT et alius. p. 831  
Optical microscopical investigation of martensitic structures. W. PEPPERHOFF et alius. p. 839  
X-ray determination of deformation stacking faults and their influence on the stabilisation of austenitic iron-chromium-manganese alloys. R. VASUDEVAN. p. 845  
Calculation of ferro-magnetic material properties with electronic analogue computers.  
W. FRINGS. p. 853  
Thermal diffusion in  $\gamma$ -iron.  
H. G. FELLER. p. 859  
Significance of the shape of tool-edge life against cutting-speed curves for metallic and oxide cutting materials at lower cutting speeds. W. DAWIHL et alius. p. 867  
The influence of milling time on the Chemical and certain of the physical properties of various metal powders.  
G. NAESER et alii. p. 871

## Archiv für das Eisenhüttenwesen 34 (1963)

Heft 12

Development, design and calculation of a mathematical model of the blast furnace.

Rart I. R. WARTMANN. p. 879

Kinetics of reaction tests on the reduction of magnetite with hydrogen.

K. HEDDEN et alius. p. 887

The application of the Ebert arrangement with grating and prism dispersion for spectrochemical analysis. H. KREMPL et alius. p. 895

Realization of optimum exposure conditions for X-ray analyses. H. NEFF. p. 903

Properties of cobalt alloys for precision casting. K. A. KREKELER et alii. p. 907

The effect of hydrogen on the tensile test.

H. J. WIESTER et alii. p. 915

Change in deformability of steel by the external action of high pressure hydrogen at around room temperature.

W. HOFMANN et alius. p. 925

Analysis of the creep behaviour of high-temperature ferritic steels at temperatures of 450 to 600°C. M. WILD. p. 935

Creep tests on technically pure iron at temperature between -60 and +100°C.

E. SCHMIDTMANN et alii p. 951

Aims and methods of the metallurgical investigation of ancient iron and steel products, especially of objects discovered in layers of the age of wrought iron.

E. H. SCHULZ. p. 961

## Revue de Métallurgie 60 (1963) No. 10

Influence of the gangue on the reduction kinetics for a Lorraine sinter. P. AURY. p. 837

Contribution of the study of the removal of oxide and sulphur from molten iron by lithium.

C. E. BEAULIEU et alii. p. 845

Oxygen in the arc furnace. J. COLIN. p. 851

The Bauschinger effect in forming work.

J. GUYOT. p. 859

Considerations on the anisotropy of the values for the strength of steel as a function of plastic deformation conditions.

R. ZOJA et alius. p. 863

Phosphating of steel at elevated temperatures.

A. HACHE. p. 869

The influence of tempering and composition on the surface hardness of some nitrided steels. E. KUNZE. p. 883

Organisation of quality control facilities in an integrated iron and steel works for rolled products. G. MONTLAHUC et alius. p. 889

## 国内最近刊行誌参考記次目事

## —学協会誌—

## 鑄物 36 (1964) 2

球状黒鉛鑄鉄の耐摩耗性について. 本間正雄, 他...81  
鑄物砂による炭素鋼の摩耗過程について.

久恒中陽, 他...102

鑄鉄の共晶状黒鉛生成に関する 2, 3 の実験.

井川克也...120

## 日本金属学会誌 28 (1964) 1

Fe-Ni 合金の陽極的挙動の定電位法による研究.

塩原国雄, 他...1

鉄および鉄合金の陽極的不働態化におよぼす水素イオンおよび硫酸イオンの影響. 塩原国雄, 他...6

## 材料 13 (1964) 126

オーステナイト系ステンレス鋼のラプチャー強度と電顕直接観察. 山本俊二, 他...134

2<sup>1</sup>/<sub>4</sub>Cr-1Mo 鋼の組織とクリープ破断強度について.  
三好栄次, 他...144

Ni-Cr-Mo 鋼の高温塑性疲労試験.

山内英和, 他...152

薄肉管状試験片による低炭素鋼および Cr-Mo 鋼の内圧クリープ破断について. 篠田 暲, 他...157

内圧厚肉円筒クリープおよび残留応力測定について.  
平 修二, 他...163

高温における 12Cr-1Mo-1W-1/4V 鋼の応力緩和特性について. 佐々木良一, 他...169

引張りねじり組み合わせ応力下のリラクセーション.  
平 修二, 他...175変動応力の繰返速度が動クリープ変形におよぼす影響  
平 修二, 他...181

18-8 ステンレス鋼のねじりおよび均一曲げクリープ強度. 上田太郎, 他...185

## 溶接学会誌 33 (1964) 3

高張力鋼厚板溶接部のルート割れ試験結果.

木原 博, 他...182

高張力鋼溶接部のルート割れにおよぼす水素の影響と割れ試験繰返数の検討結果. 稲垣道夫, 他...191

アーク溶接現象に関する界面張力理論 (第7章)

石崎敬三, 他...203

## —会社刊行誌—

## 住友金属 16 (1964) 1

コークス炉ガスの溶剤, 溶断への応用.

石井清二, 他...1

大型セミキルド鋼塊の脱酸について.

藤井毅彦, 他...9

各種鍛造用型鋼の変態, 組織, 機械的性質について.  
邦武立郎...16

18Cr-8Ni 系オーステナイト・ステンレス鋼の高温延性と実際溶接割れ. 長谷部茂雄, 他...36

## 富士製鉄技報 13 (1964) 1

鋼中の 1 次偏析に伴う炭素の 2 次凝集.

高石昭吾...1

内部摩擦測定による鉄中の侵入型溶質原子の研究 (第5報). 市川 正...27