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K CRL/T. 1238

Sci -M/r
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Impressions Gained During a Visit to Some Blast-Furnace Plants in Japan, by G. Heynert.

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HB 5794

Sci-M/M
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229,360

**Impressions From a Visit to Some Blast Furnace Plants
in the Soviet Union, by G. Heynert.**

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HB 5860

**Sci-MAN
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The Influence of Hot Dip Galvanizing on the
Fatigue Characteristics of Cold-Rolled
Sheet. Part I, by M. Hempel, D. Horstmann.

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No 25, 1962, pp 1769-~~1817~~1775.

HB 5801

Sci-M/M

Dec 63

243,940

The Influence of Hot Dip Galvanizing on the
Fatigue Characteristics of Cold-Rolled ~~XXXXX~~
Sheet. Part II, by M. Hespel, D. Horstmann.

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HB 6078

Sci-M/M
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Investigation of Methods for Determining the Layer
Thickness of Zinc Coats, by F. Stricker.

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pp 1783-1790.

BIBI 3134

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Sci - Engr
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The Use of Chemical and Physical Methods in the
Control of Sulfuric Acid and Hydrochloric Acid
Pickling Baths, by G. von der Dunk, B. ~~XXXXXXXX~~
Mouthen.

GERMAN, per, Stahl und Eisen, Vol LXXXII, No 25,
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HB 5802

Sci-M/M

Aug 63

343494

**A Method of Measuring the Efficiency of
Inhibitors in Pickling Baths, by
S. Memenoh, H. J. Engel.**

**BERGERMAN, per, Stahl und Eisen, Vol LXXXII,
No 25, 1962, pp 1796-1801**

HB 5805

**Sci- MEM
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Drawing Experiments on High Carbon Steel Wires
With a Final Diameter of 5.0 mm, by H. Krautmacher,
F. Kreis.

GERMANY, see Stahl und Eisen, Vol. LXXXII,
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BIBI 9219

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Sci - M/M
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Role of Bending of Continuous-Cast Steel Sections
in Plant Design, by B. Tarmann and E. Plockinger.

GERMAN, per, Stahl Eisen, Vol LXXXII, No 26,
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*HB 5809
SLA 63-18013

Sci - M/M
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The Manufacture and Behaviour of Dolomite
Blocks for Lining the Walls of Arc Furnaces,
by R. ~~Schustek~~ Schustek.

GERMAN, per, Stahl Eisen, Vol LXXXII, Dec 1962,
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BISI 3141

Sci - M/M
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Removal of Zinc from Blast-Furnace Flue Dust,
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HB 5804

Sci-Materials & Metallurgy
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235,806

Development of an Economical Short-Time
Spheroidizing Treatment for Steel in
Roller-Hearth Continuous Furnaces, by
N. Kronsis, K. Ebner, et al.

GERMAN, per, ~~Stahl und Eisen~~, Vol LXXXII,
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HB 5889

Sci-Materials & Metallurgy
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Experience with a Stretch Reducing Mill for Hot
Rolling Wire Rod, by H. Jungk and J. Kratzer.
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Changes in the Iron and Steel Industry, by
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BIBI 3153

Sci - M/M
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Effects of Development of Processes on the
Future Structure of Heat and Power Economy in
Mixed Iron and Steelworks, by F. Hessemann.

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Jan 1963, pp 65-75.

HISI 3167

Sci - M/M
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Method of Flushing Hot Metal and Steel in the
Ladle, by K. G. Speith, O. Steinhauer.

GERMAN, per, Stahl und Eisen, Vol LXXXIII, No 2,
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HB 5863

Sci-Materials & Metallurgy
22 July 63

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Structural Design and Controls for Forging
Cranes and Turn-Over Gears, by E. Berhoff.

GERMAN, per, Stahl Eisen, Vol LXXXIII, Jan 1963,
pp 81-92.

REF: 3173

Sci - Engr
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Contribution to the Knowledge of Nitrogen
Solubility in Iron Alloys in the Temperature
Range 700 - 1200°C, by H. Schenck, M. G.
Frohberg.

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BISI 3217

Sci - M/M
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Significance of Technological Factors on the Data
Collecting and Data Processing in Steel Plants and
Rolling Mills, by U. Sabass, H. Mueller.

GERMAN, per, Stahl Eisen, Vol LXXVIII, 1963,
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HB 5858

Sci - Math & Data Processing
Mar ~~XX~~ 63

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Change of Mechanical Properties of Rail Steels
Owing to Hydrogen Effusion, by W. Heller,
W. Janicha.

GERMAN, per, Stahl und Eisen, Vol LXXXIII, No 1,
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BISI 3255

Sci - W/M
Aug 63

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Investigations of the Conditions of Formation of
Technically Useful Oxide Layers, by H. Sahenck,
H. Kippartusch.

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NTSI 3195

Sci - Chem
Aug 63

342,188

Contribution to the Determination of Oxygen
Chiefly in Aluminium-Killed Steels, by H. Schenck,
M. G. Froberg.

GERMAN, per, Stahl Eisen, Vol LXXXIII, 1963,
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‡ HB 5859

Sci - M/M
Mar 63

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Experiences With Air-Conditioning Plant in Cabs of
Pit Furnace Cranes, by R. Simca.

GERMAN, per, Stahl und Eisen, Vol LXXXIII,
Jan 1963, pp 166-172.

BIBI 3213

Sel - M/M
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Hot Blast Stoves for High Blast Temperatures,
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GERMAN, per, Stahl Eisen, Vol 83, 14 Feb 1963,
pp 198-203
(DB 1349)
CMB 3272

314,365

Sci - Mechanical, Industrial,
Met and Mining Engineering

Operating Results With the New Electronic Teeming
Crane Scales at Hoerds Steelworks, by G. Wiethoff,
W. Korr.
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GERMAN, per, Stahl und Eisen, Vol LXXIII, Kfz
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BISI 3209

Sci - Electron, M/M
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On the Electric Arc Furnace, With Special ~~EMM~~
Reference to Large Capacity Units for Steel
Production, Part I, by K. F. Harms.

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No 5, 1963, pp 257-265.

HB 5900

Sci-M/M
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F. Harms.
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HB 6035

Sci - M/M

Mar 64

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Desulphurisation of Pig Iron With Powdered
Lime Outside the Blast Furnace, by W. Esche,
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BIBI 3210

Sci - M/M
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BSI 3211 pp 282-290

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Experiences in Flaw Detection by Ultrasonics
Compared With Radiography, by R. Hornung.

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Sci - Phys
May 63

The Manufacture, Properties and Testing of
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NTC 71-14293-11F

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Experiences With Oil-Fired Bell-Type Annealing
Furnaces, by K. W. Dockhorn.
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Surface Roughness of Cold Rolled Strip Steel -
How to Measure It, by K. Mietzner.

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Sci - M/M
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Cooling of Wide Steel Strip Coils After
Annealing in a Bell-Type Furnace, by
E. H. ~~WOLFF~~ Wolff, R. Schneider.

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HB 5893

Sci-M/M

Aug 63

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Process for the Production of Plastic-Coated
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BISI 3335

Sci • M/N
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Oxygen Contents of Low-Carbon Finning Steels
Top-Blown with Oxygen from High-Phosphorus Pig
Irons (LD-AC Process), by H von Ende, W. Pfaff.

GERMAN, per, STAHL UND EISEN, Vol LXXXIII, No 7,
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HB 5937

Mat & Mst
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Production of Open Hearth Steel With Phosphorus
Rich Pig Iron by Top Blowing With Oxygen
Report (No 758), by K.-O. Zimmer, K. Walden.

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BTISI 3258

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Experience With Uni-Directional Flow Forging
Furnaces, by H. J. Pohle, E. Kohler.

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Reheating Alloy Steels as Dependent on Composition
Dimensions and Position of the Ingot in the Furnace,
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Changes in the Surface Finish of Areas in
Contact With the Tool During Cold Upsetting, by
H. Wiegand, K. H. Kloos.

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BISI 3272

Sci - Engr
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Use of Pulverized Lime in the Electric Steel
Plant Pneumatic Transport as a Charging Method,
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NIBI 3354
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Sel - M/M
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Effect of Deformation of Austenite Prior to
Martensitic Transformation in Low Alloy
Structural Steels, by K. Detert, G. Schmidt-Krayer.

GERMAN, per, Stahl Eisen, Vol LXXVIII, No 8,
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Sci - M/M
Aug 63

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Design of a Programmed Blooming Train With
Automatic Material Flow. I- Design and
Operation of the Rolling Mill, by H. Hye,
S. Fegerl.

GERMAN, per, Stahl und Eisen, Vol LXXXIII,
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BISI 3301

Sci - Engr
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and Control Systems, by G. Schnepf,
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BISI 3302

Sci - Engr
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Design of a Programmed Universal-Slabbing Mill,
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High Transport Operation Rates With Cable-Drawn Ingot
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H. von der Warth, T. Sevenich,
GERMAN, per, Stahl und Eisen, Vol LXXXIII, Apr 1963,
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BISI 3305

Sci - M/M
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Experience With an Extensively Mechanised
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HB 5918

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Oxygen in Killed and Semi-Killed Steel, by
J. Koenitzer, R. Hammer.

GERMAN, per, Stahl Eisen, Vol LXXIII, # No 5,
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Q/BISI 3318

Sci - Chem/ M/M
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Determination of the Reducibility of Ores, Sinters and
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GERMAN, per, Stahl und Eisen, Vol LXXXIII, ¹¹⁴⁸ 1963,
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BISI 3319

Sci - M/M
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Investigations on the Detection of Defects in
Thick Plates of Steel With γ -Rays, by H. Dresia,
W. Sengpiel.

GERMAN, per, Stahl und Eisen, Vol LXXXIII, May 1963,
pp 585-593.

KIKI 3336

Sci - Phys
Oct 63

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Detection of Pipe in Hot Blooms or Slabs by Means of
Gamma Radiation, by H. Emert, A. Herwig, et al.

GERMAN, per, Stahl und Eisen, Vol LXXXIII, 1963, No 10,
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HB 5961

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Calculation of Cooling Time of Rolled Products on
Cooling Beds, by W. Krause.
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BISI #3692

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Development and Design of a Hot Blast Stove With
Combustion Chamber Outside of the Checkwork,
by A. Heuser, H. Fallmann,

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RIRI 3386

Sci - M/M
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345, 401

Recent Operational Investigations on the Main
Drives of Ingot Cogging Mills, by M. ^{DRISKE} Proske. (PARTS I+II),
M. HOFFMAN + H.J. MARX (PART III)
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pp 702-715.

*BISI 3349
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Sci - Engr
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Investigation on the Agreement With Statistical Laws of Spindle
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F. W. Griesse, W. Schweer.
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BISI 3557

Stcl - Engr
Feb 64

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Steels for the Oil Refining and Petrochemical
Industries, by L. Schaeben, K-J. Westerfield.

GERMAN, per, Stahl Eisen, Vol LXXXIII, ~~1963~~
Jun 1963, pp 778-789.

*HB 5992

Sci - M/M
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The Dry Neutralization of Iron Sulfate Heptahydrate,
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GERMAN, per, Stahl und Eisen, Vol LXXXIII, No 14,
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HB 6211

Sci-Chem
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Investigations on the efficiency of the ~~blast~~
Plant and the Sample of Iron Ores, by K. Gebhard,
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GERMAN, per, Stahl und Eisen, Vol LXXVIII, Jul 18,
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BISI 3428

Sci - M/M
Dec 63

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Determination of Coke Consumption in the Blast
Furnace, by B. Marincek.
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BISI 3627

Sci - M/M
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Problems Concerning Dust Removal in Fluo
Gases From Arc Furnaces, by W. Muhirad.

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Sci - Engr
Jan 64

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Sales Accounting in an Integrated Steelworks With
Special Reference to Electronic Data Processing
Units, by H. Bodewig, G. Schumacher.
GERMAN, per, Stahl und Eisen, Vol LXXXIII, 1963,
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BISI 3379

Sci - Math & Data Process
May 64

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The Cooling Capacity of Various Additions and
Effect on Charge Conditions and Costs when
Refining Steel With Oxygen, Part I, by K. G. &
Speith, H. vom Ende, O. Steinhauer.

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1963, pp 961-969.

HB 6031

Sci-Engr

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HWDec 63

The Cooling Capacity of Various Additions and Effect on Charge Conditions and Costs When Refining Steel With Oxygen, Part II, by K. G. Speith, H. von Ende.

GERMAN, per, Stahl und Eisen, Vol LXXXIII, N
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HB 6079

Sci-M/M
Jan 64

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Present State of Iron Ore Pelletizing in North
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GERMAN, per, Stahl und Eisen, Vol LXXXIII, Aug 1,
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BISI 3431
CRL/T. 1463

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Sci - M/M
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The Effect of Soda Treatment of Pig Iron on the
Nitrogen Content of Basic Bessemer Steel, by
P. Haastert, E. Kohler.
GERMAN, per, Stahl und ~~Eisen~~ Eisen, Vol LXXXIII,
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BISI 3381

Sci - M/M
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The New Basic Oxygen Steel Plant of August-
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GERMAN, per, Stahl und Eisen, Vol LXXXIII,
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HB 6039

MAXIMIAN KE - Bonn
Jan 64

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The Formation of Slag in the Basic Open-Hearth
Process, by G. Tromel, E. Gorl.
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BISI 3583

Sci - Engr
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New Developments in Blast Furnace Technology
in North America, by A. Send.

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Aug 1963, pp 1051-1058.

BISI 3456

CRH/T.1404

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Sci - Engr
Jan 64

Open-Die Forging Presses, Their Drives and Controls,
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GERMAN, per, Stahl und Eisen, Vol LXXKIII, 1963,
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BIBI 3392

Sci - Engr
Dec 63

243,622

**Determination of the Volume, Composition and Temperature
of the Waste Gas and the Dust During Meltdown and Oxidation
by Oxygen Lancing in a 15-Ton Electric Arc Furnace, by**
H. K. ...

GERMAN, per, Stahl und Eisen, Vol LXXXIII, No 17, 1963,
pp 1067-1070.

HB 6066

Sci - M/M

Mar 64

250,784

Effect of Slag Formation on the Efficiency and
Desulphurization in the Basic Open Hearth Process,
by G. Tromel, H. Schafer.

GERMAN, per, Stahl und Eisen, Vol LXXVIII, 1963,
pp 1099-1106.

BISI 3430

Sci - Ingr
Dec 63

243,527

TT-64-14438

Dietrich, Theo.
INFLUENCE OF INDIVIDUAL STAND SPEED ON THE
ROLLING PROCESS IN THE CONTINUOUS ROLLING
OF LARGE SECTIONS (Einfluss der Drehzahlstufung
auf das kontinuierliche Walzen Grosser Walzgutquer-
schnitte). [1963] [43p] (foreign text included) 3refs
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- I. Title: Rolls
- I. Dietrich, T.
- II. Max... Communication-950
- III. Verein... Berichte-297

BISI 3432

Trans. of Stahl und Eisen (West Germany) 1963, v. 83,
no. 18, p. 1107-1116 [Max Planck Institut für Eisen-
forschung (West Germany). Communication-950]
[Verein Deutscher Eisenhüttenleute (West Germany).
Berichte-297].

Another trans. is available from BISI £5 15s as
BISI-3432, Nov 63.

DESCRIPTORS: *Rolling mills, Velocity, *Mechanical
working, Metal plates, Sheets,

(Machinery, Fabrication and Accessory Equipment,
TT, v. 11, no. 10)

Office of Technical Services

Effect of Hot Blast Temperature on the Operating Results
of the Blast Furnace, by W. Zischkale, G. Hyeynert.
GERMAN, per, Stahl und Eisen, Vol LXXXIII, No 8, 1963,
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BISI 3560

Sci - Engr
Apr 64

255,080

Use of Convector in the Annealing of Narrow and
Medium-Width Strip in Bell-Type Furnaces, by
W. Feige, et al.
GERMAN, per, Stahl und Eisen, Vol LXXXIII, # No19,
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HB 6052

Sci - Engr
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Temperature Measurement and Distribution During
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BISI 3564

Sci - Engr
May 64

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The Decarburization of Cold-Rolled Silicon Steels, by
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GERMAN, per, Stahl und Eisen, Vol LXXXIII, 1963,
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BISI 3453

Sci - Engr
Feb 64

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Reasons for, and Methods of, Reducing the Noise in
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1963, pp 1180-1184.
HB 6069

Sci - Engr
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Comparison of the Results of Testings of the Cutting
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Case-Hardening and Heat Treatable Steel, (Part I).
GERMAN FOR Stahl und Eisen Vol LXXXIII. 1963. pp 1209-1226.

The Effect of the Working Practice on the
Metallurgical Processes in Open Hearth
Steelmaking, by G. Tromel, W. Ullrich.

GERMAN, per, Stahl und Eisen, Vol LXXXIII,
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BISI 3452

Sci - M/M
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Influences of Deformation Conditions of Metal Flow and
Yield in Rolling Thick Slabs, by E. Ritter, W. Dahl.
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BISI 344B

Sci - M/M
Mar 64

~~251,692~~
251,692

The Future Prospects of Minette Ore, by
H. Malcor.

GERMAN, per, Stahl und Eisen, Vol LXXXIII,
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BISI 3506

Sci-M/M

Jan 64

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Influence of Rolling Conditions on the Mechanical
Properties of Heavy Plate, by J. Degenkolbe,
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BISI 3490

Sci - Engr
Apr 64

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BISI 3523

Sci - M/M
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Development of the Pelletization of Iron Ores
and the Production of Mixed-Ore Pellets, by K.
Mayer.

GERMAN, per, Stahl und Eisen, Vol LXXXIII, No
22, 1963, pp ~~1337-1348~~.

HB 6092

Sci-M/M
Jan 64

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