

61-18479

Hannover, J. et.
THE PRODUCTION OF SINTERED CARBIDES AND
THEIR APPLICATION IN WIRE-DRAWING PLANTS.
Rept. no. 11 of the Wire Manufacture Committee of the
Verein Deutscher Eisenhüttenleute. [1961] 12p.
(15 figs. omitted) 9 refs.
Order from SIA \$1.60

61-18479

Trans. of Stahl und Eisen (Germany) 1942, v. 62,
24/31 Dec, p. 1083-1090.

DESCRIPTORS: *Sinter, Sintering, *Carbides,
*Alloys, Friction, Machine tool industry, Tungsten
alloys, Coalt alloys, *Sintered alloys, Dies, *Wire,
Lubricants.

(Metallurgy, IT, v. 6, no. 12)

I. Hinnüber, J.
II. Title: Verein...

18479

Office of Technical Services

Trömel, Gerhard.
INVESTIGATIONS OF THE TERNARY SYSTEM
CaO-P₂O₅-SiO₂ AND THEIR IMPORTANCE IN THE
PRODUCTION OF BASIC BESSEMER SLAGS. Rept.
no. 406 of the [Steelworks Committee] of the Verein
Deutscher Eisenhüttenleute. [1961] 16p. 13 refs.
Order from SLA \$1.60 61-18475

Trans. of Stahl und Eisen (Germany) 1943, v. 63,
14 Jan, p. 21-30.

DESCRIPTORS: *Slags, Production, Calcium com-
pounds, Phosphates, Silicon compounds, Dioxides,
Chemical equilibrium, Iron, Manganese compounds,
Oxides, Chemical reactions.

(Metallurgy, TT, v. 7, no. 2)

61-18475

- I. Trömel, G.
- II. Title: Verei...

Office of Technical Services

Rohde, Ewald.
SUBSTITUTE MATERIALS IN STEELWORKS MA-
CHINERY (IN GERMANY). [1961] [22]p. (4 figs.
omitted) 8 refs.

Order from SLA \$2.60

61-18459

Trans. of Stahl und Eisen (Germany) 1943, v. 63,
4 Feb, p. 85-94.

DESCRIPTORS: *Steel industry, Substitutes, Strategic
materials, Materials, *Rolling mills, Bearings, Jour-
nal bearings, Friction, Roller bearings, Machine
tools, *Machines, Metals, Plastics, Lubrication,
*Metallurgy.

(Metallurgy, TF, v. 6, no. 12)

61-18459

I. Rohde, E.

18459

Office of Technical Services

<p>Lueg, Werner. TEMPERATURE AND ENERGY CONDITIONS WHEN DRAWING THROUGH MULTIPLE DIES. Rept. no. 13 of the Drahtverarbeitung Committee of the Verein Deutscher Eisenhüttenleute. [1961] 4p. 6 refs. Order from SLA \$1.10</p> <p>Trans. of Stahl und Eisen (Germany) 1943, v. 63, 11 Feb, p. 113-114.</p> <p>DESCRIPTORS: *Dies, Castings, Machine tools, Steel castings, Cast steel, Steel industry, Carbon, Temper- ature, Surfaces, Reduction, Power, Measurement, Stresses, Deformation, Lubricants</p> <p>(Metallurgy. TT, v. 6, no. 12)</p>	<p>61-18470</p> <p>L Lueg, W. IL Title: Verein...</p> <p>181939</p> <p>Office of Technical Services</p>
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Treppschuh, Helmut.
TOOL STEELS FOR WORKING HOT METALS. Rep.
no. 646 of the Materials Committee of the Verein
Deutscher Eisenhüttenleute. [1961] [26]p. (1 fig.
omitted) 25 refs.
Order from SLA \$2.60

61-18458

Trans. of Stahl und Eisen (Germany) 1943, v. 63,
11 Mar, p. 189-197.

DESCRIPTION: *Tool steel, Heat resistant alloys, Me-
chanical properties, Eutectics, Heat treatment, Ma-
chine, *Machine tools, Casting, Stresses, *Machine
tool industry, Metallurgical analysis.

(Metallurgy, TT, v. 6, no. 12)

61-18458

I. Treppschuh, H.
II. Title: Verein ...

181987

Office of Technical Services

Müller, Heinrich.
EXPERIENCES WITH ARG-FURNACE ROOFS OF
STANDARD BRICKS WITH BUILT-IN METAL COOL-
ING COLLARS. Rept. no. 411 of the [Steelworks
Committee] of the Verein Deutscher Eisenhüttenleute.
[1961] [8]p. (1 fig. omitted).
Order from SLA \$1.10

61-18516

Trans. of Stahl und Eisen (Germany) 1943, v. 63,
16 Mar., p. 217-220.

DESCRIPTORS: *Electric arcs, *Brick, Steel
industry, Industrial equipment, Electrodes, Ceramic
materials, Design, *Roofs, Metallurgy, Electro-
chemistry, Electrode holders, *Induction heating,
*Metals, *Cooling.

(Machinery--Manufacturing, TT, v. 6, no. 12)

61-18516

1. Müller, H.
D. Title: Verein...

101937

Office of Technical Services

<p>Lueg, Werner and Pong, Anton. THE EFFECT OF BACK PULL WHEN DRAWING STEEL WIRE. Rept. no. 14 of the Committee on Wire Working of the Verein Deutscher Eisenhüttenleute. [1961] [20]p. 8 refs. Order from SLA \$1.60</p> <p>Trans. of Stahl und Eisen (Germany) 1943, v. 63, 25 Mar, p. 229-236.</p> <p>DESCRIPTORS: *Steel wire, Dies, Castings, Machine tools, Carbon, *Wire, Stresses.</p> <p>(Metallurgy--Ferrous Metals, TT, v. 6, no. 12)</p>	<p>61-18453</p> <p>I. Lueg, W II. Pong, A III. Title: V. e. . . .</p> <p>EX-100</p> <p>Office of Technical Services</p>
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Schmidt, Hans].
SLAG WOOL AND ROCK WOOL AS A UNIVERSAL
SUBSTITUTE MATERIAL. Rept. no. 33 of the Panel
for the Utilization of Blast-Furnace Slag of the Verein
Deutscher Eisenhüttenleute. [Feb 46] 10p. (6 figs
omitted) 6 refs.
Order from St. A m. \$1.80, ph \$1.80 60-18205

Trans. of Stahl und Eisen (Germany) 1943, v. 63
[no. 18] p. 360-365

(Unannounced)

60-18205

1. Insulation--Materials
2. Title: Slag wool
3. Title: Rock wool
- I. Schmidt, H.
- II. Title: Verein.

142,864

Office of Technical Services

Ruff, Wolfram.
RECENT RESULTS FROM FLUIDITY TESTS IN
THE MELTING OF CHROMIUM-MOLYBDENUM
STEELS WITH AND WITHOUT NICKEL IN BASIC
ARC AND OPEN-HEARTH FURNACES. Rept. no. 412
of the Stahlwerksausschuss [Steelworks Committee] of
the Verein Deutscher Eisenhüttenleute. [Feb 46] 11p.
[4 figs. omitted] 6 refs.
Order from SLA m\$2.40, p\$3.30 60-18206

Trans. of Stahl und Eisen (Germany) 1943, v. 63
[no. 22] p. 438-442.

142,846

(Unannounced)

60-18206

1. Steel--Melting**
2. Nickel--Metallurgical effects

- I. Ruff, W.
- II. Title: Verein...

Office of Technical Services

Kinzinger, Karl.
OPERATING MEASURES IN THE SINTERING OF
IRON ORES. [Dec 47] 4p. (2 tables [2 figs.] omitted).
Order from SLA m\$1.80, ph\$1.80 60-18207

Abridged trans. of Stahl und Eisen (Germany) 1943,
v. 63 [no. 23] p. 453-456.

142, 719

60-18207

1 Iron ores--Sintering
1 Kinzinger, K.

Office of Technical Services

Bonscheidt, Hans Wilhelm.
 THE MATERIAL FLOW DIAGRAMS FOR AN
 INTEGRATED IRON AND STEEL WORKS. Rept.
 no. 205 of the Ausschuss für Betriebswirtschaft
 [Committee for Industrial Economics] of the Verein
 Deutscher Eisenhüttenleute; Doctor's thesis of
 Technische Hochschule Aachen, 1943 (abridged
 version). [Sep 46] 37p. 2 refs.
 Order from SLA ml\$3.00, pt\$6.30 60-18208

Trans. of Stahl und Eisen (Germany) 1943, v. 63
 [no. 30] p. 529-537 and [no. 31] p. 558-567.

(Unannounced)

60-18208

1. Iron industry
2. Steel industry
3. Title: Flow diagrams
- I. Bonscheidt, H. W.
- II. Title: Verein...
- III. Technische Hochschule
 Aachen (West Germany)

Office of Technical Services

Influence of Grain Size of Steel Upon Creep Limit,
by H. Bannek, G. Bandel.

GERMAN, per, Stahl und Eisen, Vol LXIII, No 36,
1943.

PI 65-654
SLA 59-3000
Brutcher Tr 1653

~~12,948~~
Scientific - Min/Metals

\$6.30

12,948

Influence of Structure . As a Function of
Heat Treatment and Alloying on the Creep
Resistance of Steel, by Hubert Bennek,
Gerhard Bandel, 12 p.

GERMAN, per, Stahl und Eisen, 1943, Vol LXIII,
No 38, pp 695-700.

SLA 60-10169

Bc1

Apr 60

Vol III, No 3

112,055

Pechal, Edmund
OPERATIONAL EXPERIENCE WITH A GAS-PRO-
DUCER PLANT WITH SUBSEQUENT ELECTRIC GAS
CLEANING Rept. no. 319 of the Wärmestelle (Fuel
Section) of the Verein Deutscher Eisenhüttenleute.
[Feb 46] 6p
Order from SLA m\$1.80, ph\$1.80 60-18209

Trans. of Stahl und Eisen (Germany) 1943, v 63
[no 44] p. 808-812.

142,840

60-18209

1. Gases--Cleaning
2. Gases--Production
- I. Pechal, E.
- II. Title: Verein.

Office of Technical Services

(Unannounced)

Measures to Increase the Output of Iron Ore
Sintering Plants, by H. Wittenberg, K. Meyer. UGOL

GERMAN, per, Stahl u Eisen, No 45, 1943, pp 817-
840.

British Iron and Steel Ind
(no number given)

Sai - Miu/Ket
Sep 59

98, 437

Production of Chromized Layers on Steel, by H. Bennek,
W. Koch, W. Tofaute.

GERMAN, per, Stahl und Eisen, Vol LXIV, 1944, No 17,
p. 25-27.

Brutcher Tr 1620

Scientific - Min/Metals

\$5.50

12,690

Theory of Displacement of Carbon From Ferrosalloys. by
Silicon, by V. Schwarz, E. Bergkamp.

GERMAN, per, Stahl und Eisen, Vol LXIV, 1944.

Brutcher Tr 1591

12.684

Scientific - Min/Metals

\$1.00

Bulle, Georg.
STANDARDISATION OF BLAST-FURNACES. Rept.
no. 219 of the [Blast Furnace Committee] of the
Verein Deutscher Eisenhüttenleute. [1961] 12p.
Order from SLA \$1.60 61-18545

Trans. of Stahl und Eisen (Germany) 1944, v. 64,
4 May, p. 285-290.

DESCRIPTORS: *blast furnaces, *Standardization,
Design, Operation, Refractory materials, Cast iron,
Slags.

(Metallurgy, TT, v. 6, no. 12)

61-18545

I. Bulle, G.
II. Title: Vereln...

Office of Technical Services

Kraibell, Hans-Joachim.
THE RATE OF DECARBURISATION AND THE OXY-
GEN CONTENT OF STEEL IN THE BASIC OPEN-
HEARTH FURNACE. [1954] 13p. 22 refs.
Order from DLA \$1.60

61-18547

Trans. of Stahl und Eisen (Germany) 1944, v. 64,
22 June, p. 399-404.

DESCRIPTORS: *Open hearth furnaces, *Steel, Vis-
cosity, Slags, *Carbon, *Oxygen, Liquid metals, Tem-
peratures, Iron, Melting, Aluminum compounds,
*Gases, *Carbon compounds, *Monoxides,
Identification.

(Monthly, TI, v. 6, no. 12)

61-18547

L. Kraibell, H. J.

18200

Office of Technical Services

<p>Reichert, J. W. THE REORGANISATION OF THE ENGLISH IRON AND STEEL INDUSTRY. [1961] 13p. Order from SLA \$1.60</p> <p>Trans. of Stahl und Eisen (Germany) 1944, v. 64, 29 June, p. 413-419.</p> <p>DESCRIPTORS: *Iron industry, *Steel industry, Blast furnaces, Rolling mills, Industrial production.</p> <p>(Metallurgy, IT, v. 6, no. 12)</p>	<p>61-18548</p> <p>L. Reichert, J. W.</p> <p>182000</p> <p>Office of Technical Services</p>
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Evaluation of Quality of High Speed Steels, by
W. Eilender, H. Arend.

GERMAN, per, Stahl und Eisen, Vol LXIV, Nos 46, 47,
1944.

Brutcher Tr 1795

13,010

Scientific - Min/Metals

~~12,728~~
\$4.20

The Production of Very Clean Steel X in the
Basic Bessemer Shop, by Josef Klarding, 8 pp.

GERMAN, per, Stahl und Eisen, Vol LXV, No 9/10,
1945, pp 118-121.

SLA 60-18211

196, 871

Sci
May 62

Vol 4, No 10

Harten, Kurt Peter and Vosgerau, Hans Hero.
THE PRESENT POSITION AND DIRECTION OF THE
GERMAN IRON AND STEEL INDUSTRY. [Mar 47]

20p.
Order from SIA m\$2.40, ph\$3.30 60-18212

Trans. of Stahl und Eisen (West Germany) 1947,
v 66/67 [no. 1/2] p. 2-10

142,784

60-18212

1. Iron industry--Germany
2. Steel industry--Germany
- I. Harten, K. P.
- II. Vosgerau, H. H.

Office of Technical Services

(Unannounced)

<p>Rummel, Kurt. THE GAS BALANCE IN IRON AND STEEL WORKS. Communication no. 336 of the Wärmestelle [Fuel Sec- tion] and rept. no. 224 of the Hochofenausschuss [Blast Furnace Committee] of the Verein Deutscher Eisenhüttenleute. [Nov 47] 10p. Order from SLA mi\$1.80, ph\$1.80 60-18213</p> <p>Trans. of Stahl und Eisen (West Germany) 1947. v. 66/67 [no. 1/2] p. 19-23.</p> <p>142,847</p> <p>(Unannounced)</p>	<p>60-18213</p> <ol style="list-style-type: none">1. Iron industry--Germany2. Steel industry--Germany3. Title: Gas balance <ol style="list-style-type: none">I. Rummel, K.II. Title: Verein. <p>Office of Technical Services</p>
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Wesemann, Friedrich
THE RELATION BETWEEN HEAT AND ENERGY
ECONOMY AND PRODUCTION CONDITIONS IN THE
LARGE IRON AND STEEL WORKS [Sep 47] 21p
Order from SI A m\$2 70. ph\$4 80 60-18214

Trans. of Stahl und Eisen (West Germany) 1947.
v. 66/67 [no. 3/4] p. 35-42.

(Unannounced)

60-18214

1. Iron industry--Germany
2. Steel industry--Germany
1. Wesemann, F

142,887

Office of Technical Services

<p>Bulle, Georg. THE PRODUCTION OF PIG IRON FROM LEAN BURDENS, tr. by H. Bruck. Rept. no. 225 of the Blast Furnace Committee of the Verein Deutscher Eisen- Eißenleute [Mar 48] 24p. 9 refs Order from SLA m\$2.70, ph\$4.80 60-18215</p>	<p>60-18215</p> <ol style="list-style-type: none"> 1. Cast iron--Production 2. Blast furnaces--Operation 3. Iron industry--Germany 4. Title: Lean burdens I. Bulle, G II. Title: Verein
<p>Trans. of Stahl und Eisen (West Germany) 1947. v. 66/67 (no. 5/6) p. 69-78</p>	<p>147, 747</p>
<p>(Unannounced)</p>	<p>Office of Technical Services</p>

Bading, Walter.

THE DEVELOPMENT OF BASIC CONVERTER PRACTICE. Rept. no. 425 of the Steel Works Committee of the Verein Deutscher Eisenhüttenleute. [July 48] 71p.
41 refs

Order from SLA m/\$4.50, \$12.30 60-18216

Trans. of Stahl und Eisen (West Germany) 1947,
v. 66/67 [no. 9/10] p. 137-149; [no. 11/12] p. 180-
186 and [no. 13/14] p. 212-223.

(Unannounced)

60-18216

1. Vanadium--Recovery
2. Steel--Production
1. Bading, W.
- II. Title: Verein...

14-11-1966

Office of Technical Services

Siebel, E.
THE PRESENT STATUS OF RECENT ACHIEVE-
MENTS IN THE MECHANICAL PROCESSES OF
WIRE DRAWING. 3 Mar 48, 18p. (figs. formulae refs.
omitted).
Order from SLA \$1.60

62-20338

Trans. of Stahl und Eisen (West Germany) 1947,
v. 66/67, no. 11/12, p. 171-180.

DESCRIPTORS: *Wire, *Drawing (Machine processing),
Deformation, Stresses, Friction, Heat, Lubrication.

(Machinery--Manufacturing, TT, v. 9, no. 12)

62-20338

I. Siebel, E.

Office of Technical Services

Krebs, K.
SEGREGATION-DISPLACEMENT AND DEFORMATION
IN THE ROLLING OF SOFT STEEL ACCORDING TO
INVESTIGATIONS ON A ROD-MILL. 19 Apr 48, 13p.
(figs. refs. omitted).
Order from SLA \$4.10

62-18401

Trans. of Stahl und Eisen (West Germany) 1947
[v. 66, 67, no. 15/16] p. 244-250 (Verein Deutscher
Eisenhüttenleute (West Germany). Berichte-181).

DESCRIPTORS: *Steel, Rolling mills, *Deformation,
Displacement reactions, *Wire, Drawing (Machine
processing), Heating.

(Metallurgy--Ferrous Metals, TT, v. 9, no. 4)

62-18401

I. Krebs, K.
II. Verein. . . Berichte-181

Office of Technical Services

Production and Use of Heat-Resisting Aluminum
Coatings, by G. Kremer, K. E. Volk, 20 pp.

GERMAN, per, Stahl u Eisen, Vols LXVI-LXVII,
1947, pp 250-255.

SLA 57-2834

Sci
Aug 58

70, 887

Production and Use of Heat-Resisting Aluminum
Coatings, by W. Mahling, 22 pp.

GERMAN, per, Stahl u Eisen, Vol LXVI-LXVII,
1947, pp 255-257. (Loan copy only)

SLA 57-2626

Sci
Aug 58

70,889

THE POSSIBILITIES OF INFLUENCING THE OXIDATION ZONE OF THE BLAST-FURNACE. Rept. no. 227 of the Blast-Furnace Committee of the Verein Deutscher Eisenhüttenleute. [Oct 48] 19p. 22 refs. Order from SLA mi\$2. 40, ph\$3. 30 60-18217

Trans. of Stahl und Eisen (West Germany) 1947, v. 66/67 [no. 17/18] p. 277-284.

ABSI E 2042

(Unannounced)

60-18217

1. Blast furnaces--Operation
2. Blast furnaces--Test results
1. Title: Verein...

Office of Technical Services

Recent Developments in the Agricultural Application of Furnace Lime. (Report No 34 of the Committee Evaluation of Blast Furnace Slag of the Association of German Iron Metallurgists, by Hubert Kappen, 13 pp.

GERMAN, per, Stahl und Eisen, Vol LXXVII, 1947, pp 307-312.

S. L. A. Tr 617/56

38,323

XXXXXXXXXXXX
ESur - Germany
Econ -

Sci - Biology; Min/metals
Aug 56 CFB/ack

<p>Schumacher, Heinz RELATIONSHIP BETWEEN BLAST-FURNACE BUR- DEN AND FUEL ECONOMY IN IRON AND STEEL WORKS. [Nov 48] 11p. 5 refs. Order from SLA mt\$2.40, ph\$3.30 60-18218</p> <p>Trans. of Stahl und Eisen (West Germany) 1947. v. 66/67 [no. 23/24] p. 375-379</p> <p style="text-align: right; font-size: 1.2em;">142,860</p>	<p style="text-align: center;">60-18218</p> <ol style="list-style-type: none"> 1. Iron industry--Germany 2. Steel industry--Germany 3. Blast furnaces--Fuel consumption 4. Fuel--Availability 5. Title--Lead burden 1. Schumacher, H.
<p>(Unannounced)</p>	<p style="text-align: center;">Office of Technical Services</p>

<p>Wohl, Paul THE DEVELOPMENT OF THE BLAST-FURNACE PROFILE IN DIFFERENT COUNTRIES [Dec 48] 13p 5 refs. Order from SLA m\$2.40, ph\$3.30 60-18219 Trans. of Stahl und Eisen (West Germany) 1947, v. 66/67 [no. 25/26] p. 411-416.</p> <p>(Unannounced)</p>	<p>60-18219</p> <p>1. Blast furnaces--Development 1. Wohl, P.</p> <p>142,883</p> <p>SLA 63-16229</p> <p>Office of Technical Services</p>
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Guthmann, Kurt.

THE RATE OF DRIVING OF BLAST-FURNACES.

[Dec 48] [5]p. 15 refs.

Order from SLA int\$1.80, ph\$1.80 60-18220

Trans. of Stahl und Eisen (West Germany) 1947,
v. 66/67 [no. 25/26] p. 425-427.

(Unannounced)

60-18220

1. Blast furnaces --
Performance

1. Guthmann, K.

105

Office of Technical Services

<p>Reinfeld, Hans THE PRODUCTION OF FERRO-MANGANESE FROM LOW GRADE ORES [Feb 49] 10p Order from SLA m\$ 80. pb\$1.80 60 18221</p> <p>Trans. of Stahl und Eisen (West Germany) 1949, y 68 [no. 3/4] p. 39-43.</p> <p>142,844</p> <p>(Unannounced)</p>	<p>60-18221</p> <ol style="list-style-type: none">1. Manganese-Production2. Ores-Processing3. Title: Ferromanganese <p>1. Reinfeld, H</p> <p>Office of Technical Services</p>
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The Design of Pilger Rolls, by K. Popp. UNCL
GERMAN, per, Stahl u Eisen, 15 Jul 1948, pp 274-,
275.

British Iron and Steel Ind
(no number given)

Sci - Engr
Sep 59

98,335

Investigations of Converter Shapes and Blowing
Conditions for the Production of Steel Low in
Nitrogen, by T. Kootz, G. Gille.

GERMAN, per, Stahl und Eisen, Vol LXVIII,
No 17/18, 1948, pp 287-294.

Tr Miscel Series 128
MIT 130

Sci - Engr

Dec 60

133,898

How to Sort Plain Carbon Steels by Spark Testing,
by W. Janiche, K. H. Saul,

GERMAN, per, Stahl u. Eisen, Vol LXVIII, No 17-18,
1948, pp 301-303.

23,157

Butcher Tr No 3472
\$2.50

Scientific - Min/Metals

Apr
May 55 CTS

Progress in the Isolation of Inclusions and
Structural Constituents in Alloyed and Unalloyed
Steel, by P. Klinger, W. Koch.

GERMAN, per, Stahl u Eisen, Vol LXVIII, Nos 19/20,
1948, pp 321-333.

DSIR 34104/CT

Sci - Minerals/Metals
Mar 59

83,302

The Principles of the Crude-Iron Scale
Process for the Production of Iron Powder,
by Gerhard Kasser, Hermann Steffe, Werner
Scholz, 25 pp.

GERMAN, per, Stahl und Eisen, 68th Year,
No 19/20, Sep 9, 1948, pp 346-353.

Dept of Commerce
Patent Office
Sci Lib

Sci - Engr

168, 150

Sep 61

Karwal, Ernst.
THE PLANNING OF LARGE-SCALE OXYGEN PLANTS
[tr. by R. Sewall]. [June 49] [12]p. (1 fig. 5 tables
omitted).
Order from SLA in \$2.40, pb \$3.30

60-18222

Abridged trans. of Stahl und Eisen (West Germany)
1948, v. 18 [no. 25/26] p. 453-461.

60-18222

1. Oxygen--Production
2. Chemical industry
1. Karwal, E.

108572

Office of Technical Services

(Unannounced)

<p>Koch, W(alter).</p> <p>ELECTROLYTIC ISOLATION OF THE CARBIDES IN ALLOY AND UNALLOYED STEELS. [Dec 50] 17p. (15 figs. omitted) 41 refs.</p> <p>Order from SLA m\$2.40, ph\$3.30 60-18603</p> <p>Trans. of Stahl und Eisen (West Germany) 1949, v. 69 [no. 1] p. 1-8.</p> <p>194, 196</p> <p>October 1, 1950, v. 5, no. 2)</p>	<p>60-18603</p> <ol style="list-style-type: none">1. Steel--Metallurgical analysis2. Carbides--Separation3. Electrolysis--Applications <p>1. Koch, W.</p> <p>Office of Technical Services</p>
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Naeser, G.

A NEW METHOD FOR THE DETERMINATION OF
OXYGEN IN POWDERS OF SOFT IRON, STEEL AND
SEVERAL OTHER METALS. [1962] 7p. (figs. tables
refs. omitted).

Order from SLA \$1.10

62-18230

Trans. of Stahl und Eisen (West Germany) 1949, v. 69,
[no. 1] p. 19-22.

DESCRIPTORS: *Powder metallurgy, *Iron, *Steel,
Oxygen, Determination, Volumetric analysis.

(Chemistry--Analytical, TT, v. 9, no. 8)

62-18230

I. Naeser, G.

Office of Technical Services

Influence of Continuous Annealing on the Mechanical Properties of Deep-Drawing Steel Strip with Various Preliminary Treatments, by E. Schauff, 4900 words.

GERMAN, per, Stahl und Eisen, Vol LXIX, No 2, 1949, PP 49-53.

26,725

SLA 62-16770(2.60)

Brutcher No 3558
\$9.80

Scientific - Minerals/metals

Sep 55

Flame Radiation in Basic Convertors, by

G. Naeser.

GERMAN, per, Stahl und Eisen, Vol 69, June
1949, pp 391-398.

CEGB

C.E. Trans 5234

Sci-Materials

Feb 70

401,774

Recent Operating Experiences in the Production of
Steel Low in Nitrogen in the Basic Converter, by
W. Bading.

GERMAN, per, Stahl und Eisen, Vol LXIX, No 7, 1949.

Brutcher Tr 2326

Scientific - Min/Metals

\$4.40

12.964

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Bading, W[alter].
NEW WORKS EXPERIENCE IN THE MANUFACTURE
OF LOW-NITROGEN STEELS BY THE BESSEMER
PROCESS [tr. by R. Sewell]. [Oct 49] [4]p.
Order from S.L.A. mi\$1.80, ph\$1.80 (0-18223

Trans. of Stahl und Eisen (West Germany) 1949, v. 69
[no. 7] p. 221-223.

(Unannounced)

(0-18223

1. Steel - Production
2. Title: Bessemer process
1. Bading, W.

108872

Office of Technical Services

Guthmann, Kurt.
CARBURETTING IN OPEN-HEARTH FURNACES BY
MEANS OF GAS. Rept. no. 422 of Stahlwerksausschuss
[Steelworks Committee] and communication no. 347
from the Wärmestelle [Materials Committee] of the
Verein Deutscher Eisenhüttenleute. [July 49] 13p.
Order from SLA mi\$2.40, pt\$3.30 60-18224

Trans. of Stahl und Eisen (West Germany) 1949, v. 69
[no. 7] p. 223-227.

(Hannover)

60-18224

1. Open hearth furnaces--
Operation
2. Title: Carburetting
- I. Guthmann, K.
- II. Title: Vereln...

108870

Office of Technical Services

The Present Methods of Producing Iron Powders,
by H. Buchholtz.

GERMAN, per, Stahl Eisen, Vol 69, No 8, 1949,
pp 247-256.

*BISI 7205

Sci-Mat

May 69

Joint Pouring of Basic Bessemer and Electric
Furnace Steel, by E. Ritter.

GERMAN

~~RUSSIAN~~, per, Stahl und Eisen, Vol LXIX, No 8,
1949, pp 258-262.

Brutcher Tr

No 3347

Scientific - Minerals/Metals

#240
CIS/DEX

19,505

Lendl, A(dolf) E.
BEVELLING AND FOUNDRING-OFF IN ROLL-PASS
DESIGN. [Oct 50] 6p. 2 refs.
Order from SLA m\$1.80, ph\$1.80 60-18604

Trans. of Stahl und Eisen (West Germany) 1949, v. 69,
[no. 9] p. 308-309.

A method of calculation is developed for determining
the "critical" bevel or the bevel required in closed
passes to prevent the formation of flash.

(Machinery--Manufacturing, TT, v. 5, no. 2)

60-18604

1. Rolling mills--Design
I. Lendl, A. E.

142,799

Office of Technical Services

Fastje, Dietrich.
CONSTRUCTION AND OPERATION OF THE KRUPP
DIRECT REDUCTION PLANT AT WATENSTEDT
(Bau und Betrieb der Krupp-Romananlage in Watenstedt).
[1963] [37p. (foreign text included) 17 refs.
Order from SLA \$3.60 63-16740

Trans. of ~~Stahl und Eisen~~ (West Germany) 1949,
v. 69, no. 10, p. 319-323.

DESCRIPTORS: *Industrial plants, *Iron, *Rotary
furnaces, Construction, Operation, Ores (Metal
sources), Economics, Costs.

(Metallurgy. TT, v. 10, no. 7)

63-16740

1. Title: Krupp direct
process
1. Fastje, D.

Office of Technical Services

On the Viscosity of Blast Furnace Slags, by Th. Kootz,
G. Behrendt.

GERMAN, per, Stahl und Eisen, Vol LXIX, No 12, 1949,
pp 399-403.

Brutcher Tr 2517

Scientific - Min/Metals 12,705 \$7.60

Spenté, E[erwin] A[lfred].
THE COGGING MILL IN THE SPECIAL-STEEL ROLL-
ING MILL. [Feb 50] 20p. 2 refs.
Order from SLA mi\$2.40, ph\$3.30

60-18226

Trans. of Stahl und Eisen (West Germany) 1949, v. 69
[no. 13] p. 443-450.

The importance of the correct dimensioning of the cog-
ging mill is shown.

(Machinery--Manufacturing. TT, v. 5, no. 2)

60-18226

1. Rolling mills--Design
1. Spenté, E. A.

108870

Office of Technical Services

Olsen, Willy].
THE THERMODYNAMICS OF IRON ALLOYS.

[June 50] 19p. 13 refs.

Order from SLA ml\$2.40, ph\$3.30 60-18227

Trans. of Stahl und Eisen (West Germany) 1949, v. 69
[no. 14] p. 464-465 and 468-474.

The possibility of establishing by calculation the
equilibria of iron-rich alloys by the aid of simple
thermodynamic relationships is indicated. This cal-
culation-synthesis is based upon the properties of
pure iron, enabling a check to be made of its heat-
content curve. (Author)

(Metallurgy--Ferrous Metals, TT, v. 5, no. 2)

60-18227

1. Iron alloys--Thermodynamic
properties
1. Olsen, W.

142,824

SLA 60-18227

Office of Technical Services

Reichardt, Paul].

THE INFLUENCE OF THE THROAT DIAMETER ON
THE BEHAVIOUR OF PINES IN THE BLAST-FUR-
NACE [tr. by R. Sewell]. [Jan 50] 13p. 2 refs.
Order from SLA in \$2.40, plus \$3.30

60-18228

Trans. of Stahl und Eisen (West Germany) 1949, v. 69
[no. 15] p. 503-508.

Information is presented on: the effect of widening the
throat on gas velocity; dust production and danger of
dust collection in the stack; calculation of the quantity,
composition and velocity of the gas stream at different
heights in the stack; calculation of the pressure of the
gas stream on the burden; size of fines particles car-
ried away or held in the gas stream; and conditions for
dust to collect in the stack.

(Metallurgy--Ferrous Metals, TT, v. 5, no. 2)

60-18228

1. Blast furnaces--Design
1. Reichardt, P.

142,845

Office of Technical Services

Veh, Paul Otto]
THE RATED FUEL CONSUMPTION OF SMALL
FORGE FURNACES. [Dec 49] 12p. 3 refs.
Order from SIA m52. 40. ph\$3.30 60-18229

Trans. of Stahl und Eisen (West Germany) 1949, v. 69
[no. 15] p. 514-519

142,878

60-18229

1. Furnaces--Fuel consumption
2. Title: Forge furnaces
1. Veh, P. O.

Office of Technical Services

Harders, F[r]itz and Grewe, H[ubert].
CONTRIBUTION ON THE BEHAVIOUR OF GRAPHITE
AND CARBON IN CHAMOTTE MATERIALS, tr. by
R. Sewell. [Dec 49] 11p. (2 figs. omitted) 7 refs.
Order from SLA ml\$2.40, ph\$3.30 60-18230

Trans. of Stahl und Eisen (West Germany) 1949, v. 69
[no. 15] p. 519-523.

143,048

60-18230

1. Carbon--Chemical effects
 2. Brick--Processing
 3. Graphite--Chemical effects
 4. Title: Chamotte materials
- I. Harders, F.
 - II. Grewe, H.

Office of Technical Services

(Unannounced)

~~SECRET~~

On the Hardening of Steel, With Special Reference to
Transformation Kinetics, by F. Hever

CIEMA, ~~pp~~, Stahl und Eisen, Vol LXIX, 1949, No 19,
pp 664-679.

Butcher Order No 3059
Price \$ 8.80

Scientific - Minerals/Metals

2233

**Steel Ingot Defects as Related to Pouring Temperatures
and Pouring Rate, by F. Beitter.**

GERMAN, per, Stahl und Eisen, Vol LXIX, 1949, pp 585-
597.

Brutcher Tr 2400

12,701

Scientific - Min/Metals

\$14.55

Gille, Gerhard] and Willems, Jacob].
TEMPERATURE AND FLAME MEASUREMENT IN
THE BESSEMER PROCESS. [Aug 50] 8p. 13 refs.
Order from SLA m\$1.80, p\$1.80 60-18605

Trans. of Stahl und Eisen (West Germany) 1949, v. 69
[no. 22] p. 759-762.

A temperature measuring arrangement is described which permits of the temperature variation of basic Bessemer charges to be determined. With cold basic Bessemer blows an arrest occurs at 1500°C. Initial temperatures below 1200°C lead to heavy rejects. The relation between the recognized value P_{10} and the charge temperature is made clear. Simultaneous measurement of the bath temperature and of the radiation of the converter flame provides a relationship between the temperature of the charge at maximum radiation and its final temperature. The metallurgical significance of the radiation maximum is discussed.
(Author) (See also 60-18606)

60-18605

1. Steel--Processing
2. Thermal radiation--
Measurement
3. Pyrometers--Applications
4. Title: Bessemer process
1. Gille, G.
11. Willems, J.

142,778

Office of Technical Services
(Metallurgy--Ferrous Metals, F)
v. 5, no. 2)

Willems, [Jacob] Gille, [Gerhard] and Hedges,
[H. H.].

OBSERVATIONS ON THE COURSE OF THE REAC-
TION TOWARDS THE END OF THE BESSEMER BLOW
WITH THE AID OF TEMPERATURE AND FLAME
MEASUREMENTS. [Aug. 50] 6p. 11 refs.

Order from SLA in \$1.80, ps \$1.50 60-18606

Trans. of Stahl und Eisen (West Germany) 1949, v. 69
[no. 22] p. 762-764.

Information is presented on (1) the influence of the
melting temperature on the slagging of the phosphorus
and iron towards the end of the blow, (2) the variation
in the phosphorus content with temperature at maximum
radiation, (3) the rate of combustion of the phosphorus
at various temperatures. The information was obtained
by previously described techniques (Stahl und Eisen 69:
759-762, 1949; available in translation from SLA
in \$1.80, ps \$1.50 as 60-18605).

(Metallurgy--Ferrous Metals, TT, v. 5, no. 2)

60-18606

1. Steel--Processing
2. Thermal radiation--
Measurements
3. Pyrometers--Applications
4. Title: Bessemer process
- I. Willems, J.
- II. Gille, G.
- III. Hedges, H.

142,882

Office of Technical Services

<p>Euler, Hans. INTERNATIONAL COMPARISON OF PRODUCTION, PERSONNEL AND EFFICIENCY IN THE IRON AND STEEL INDUSTRY. Rept. no. 228 of the Ausschuss für Betriebswirtschaft [Committee for Industrial Economics] of the Verein Deutscher Eisenhüttenleute, [June 50] 18p. 35 refs. Order from SLA ml\$2.40, ps\$3.30</p>	<p>60-18232</p> <ol style="list-style-type: none"> 1. Steel--Production 2. Steel Industry--Germany 3. Iron Industry--Germany 1. Euler, H. II. Title: Verein... <p>146 877</p>
<p>Trans. of Stahl und Eisen (West Germany) 1949, v. 69 [no. 23] p. 827-835.</p>	
<p>Information is presented on production of raw steel in Germany, England, Belgium, France and the U.S.A. West European countries are compared amongst themselves and with the U.S.A.</p>	
<p>(Metallurgy--Ferrous Metals, TT, v. 5, no. 2)</p>	<p>Office of Technical Services</p>

Refining of High-Chromium Steel Heats in the Arc Furnace With Pure Oxygen, by R. Fischer.

Full translation.

GERMAN, per, Stahl und Eisen, Vol LXX, No 1, 1950, pp 10-21.

Brutcher Tr 2947

Scientific - High Chromium, arc furnace, oxygen

A Process for Determining the Temperature of
Liquid Steel During the Basic Bessemer Process,
by G. Maeser, W. Pepperhoff. UNCL

GERMAN, per, Stahl u Eisen, 5 Jan 1950,
pp 22-24.

British Iron and Steel Ind
(no number given)

Sci - Min/Wat
Wop 59

98, 308

Höhle, H.
PRACTICE AND DEVELOPMENT OF THE WIRE IN-
DUSTRY IN AMERICA SINCE 1939. 28 June 50, 18p.
(figs. tables omitted).
Order from SLA \$1.60

62-18356

Trans. of Stahl und Eisen (West Germany) 1950, v. 70,
no. 2, p. 41-51.

DESCRIPTORS: *Wire, *Industry, Industrial production,
*Manufacturing methods.

(Machinery--Manufacturing, TT, v. 9, no. 4)

62-18356

I. Höhle, H.

Office of Technical Services

British Iron and Steel Ind. Co. Ltd.
London, E.C. 1. England, P. O. Box 1. U.K.

ORDER, 1st March 1950, No 2, 1950,
pp 103-104.

British Iron and Steel Ind.
(no number given)

1st - 1st/1st
1st 55

78 236

Pelletizing of Dogger Ore Concentrate
and Fine Siderite, by G. Sengfelder.
GERMAN, per, Stahl Eisen, Vol 70,
Aug 30, 1950, pp 765-767.
DISI 4445

Sci/MQI
Nov 65

290,557

Performance Data on Electric Arc Furnaces With Shell
Diameters of Over 12 Feet, by F. Badenheuer.

GERMAN

~~RUSSIAN~~, per, Stahl und Eisen, Vol LXX, No 10,
1950, pp 403-409.

Brutcher Trans No 2940

Scientific - Metallurgy, furnaces, heat treating,
electr~~ic~~

Backing Rolls and Their Bearings, by Heene P.
Lern, 19 p.

GERMAN, per, Stahl und Eisen, 1950, Vol LXX,
No 11, pp 452-459.

SLA 59-20565

Sci
Mar 60
Vol 3, No 1

110,952

Investigations Into the Spheroidizing of Plain
Carbon and Low Alloy Steels, by E. Ammereller

Full translation.

GERMAN, per, Stahl und Eisen, Vol LXX, No 11,
1950, pp 459-463.

Brutcher Tr No 3083

Jul 53 CTS/DEX

Scientific - Minerals/Metals Price \$8.80

3507

Recent Developments in Non-Destructive Testing
of Materials by Electric and Magnetic Methods, by
W. Jellinghaus, 22 pp.

GERMAN, per, Stahl und Eisen, Vol. ⁴ LXX,
No 13, 1950, pp 552-561.

SLA 60-18608

203, 538

Sci

Jul 62

Vol 4, No 12

Progress in the Non-Destructive Testing of
Materials by Supersonics, by O. Rudiger, 11 pp.

GERMAN, per, Stahl und Eisen, Vol LXX, No 13,
1950, pp 561-565.

SLA 60-18609

Sci

203.542

Jul 62

Vol 4, no 12

Bungardt, Karl.
DEVELOPMENT AND PRESENT STATUS OF
CORROSION-RESISTANT STAINLESS ROLLED STEELS
(Entwicklung und Stand der Nichtrostenden Walz- und
Schmiedestähle). [1962] [39 p. (foreign text included)
75 refs.

Order from SLA \$3.60

62-18155

Trans. of Stahl und Eisen (West Germany) 1950, v. 70,
no. 14, p. 582-596 (Verein Deutscher Eisenhüttenleute
(West Germany). Berichte-712).

DESCRIPTORS: *Stainless steel, Rolling mills,
*Corrosion inhibition, Iron alloys, Chromium alloys,
Steel, Corrosion-resistant alloys, Corrosion,
Corrosion research.

(Metallurgy--Corrosion, TT, v. 9, no. 5)

62-18155

I. Bungardt, K.
II. Verein...Berichte-712

Office of Technical Services

Testing of Stainless Steels for Intergranular
Corrosion, by ~~DOX~~ H. J. Rocha

1950

CHURMAN, per, Stahl und Eisen, Vol LXX, No 14,
1950, pp 608-609.

Brutcher Tr 3196

11,401

Scientific - Minerals/Metals
C. J. BEX

PRICE 4.60

Methods and Apparatus for Measuring the Profile
of Drawing Dies, by Werner Lueg, 21 pp.

GERMAN, per, Stahl und Eisen, Vol LXX, No 15,
1950, pp 633-640.

SLA 60-18610

Sci

Apr 61

146,087

Commercial Annealing and Quenching Plus Tempering
of Cold-Drawn Steel Bars With Special Consideration
of Scaling, Decarburization, Heating Rate, and
Temper Brittleness. Part I- Annealing Before and
After Cold Drawing, by W. Hußbruch.

German

1

~~RUSSIAN~~, per, Stahl und Eisen, Vol LXX, No 15, 1950,
pp 641-647.

German

Brutcher Trans No 2570

~~USSR~~

Scientific - Metallurgy, heat treating, steel
Economic - Industry, steel

Evaluation of Blast Furnace Operational
Results, by H. Kegel.

GERMAN, par. Stahl und Eisen, Vol LXX.
No 17, 1950, pp 733-740.

Broken Hill Prop Co Ltd
(CRL/T 103)

Sci - Engg
Dec 61

175, 742

Sengfelder, George.
PELLETIZING OF DOGGER ORE CONCENTRATE
AND SPATHIC ORE FINES. [1963] 9p. (ilgs. omitted).
Order from SLA \$1.10 63-16825

Trans. of Stahl und Eisen (West Germany) 1950,
v. 70, no. 16, p. 765-767 (Verein Deutscher
Eisenhüttenleute (West Germany). [Berichte]-54).

DESCRIPTORS: •Pellets, •Ores (Metal sources),
•Grain structures (Metallurgy), Rotary furnaces,
Oxides, Oxygen, Reduction.

The formation of wet pellets from fine grained dogger
ore concentrate and from spathic fines was carried out,
after addition of the required moisture, in an open-
ended rotating drum with the use of a small inner
heating. It was further recognized that for the prepa-
ration of workable prepared pellets with good physical
(Metallurgy, TT, v. 10, no. 6) (over)

63-16825

I. Sengfelder, G.
II. Title: Ore ...
III. Verein ... Berichte-54

RI SI 4445

Office of Technical Services

Open-Hearth Roof Lives in the Period of 1937-1949, by
W. Baumgardt.

GERMAN, per, Stahl und Eisen, Vol LXX, No 20, 1950,
pp 867-869.

Brutcher Tr 2619

Scientific - Min/Metals

\$2.80

12,732

The Use of Roller Bearings in Sheet Hot-Rolling
Mills, by Wilhelm Kramer, 8 p.

GERMAN, per, Stahl und Eisen, 1950, Vol LXX,
No 21, pp 925-929.

SLA 59-20566

Sci
Mar 60
Vol 3, No 1

110,950

Naeer, Gerhard and Zirm, Franz,
ROLLING STRIPS FROM IRON POWDER. Paper
consists of excerpts from doctoral thesis of Franz
Zirm. [1963] [35]p, 28 refs.
Order from SLA \$3.60

63-16763

Trans. of Stahl und Eisen (West Germany) 1950, v. 70
[no. 22] p. 995-1003 [Vereln Deutscher Eisenhütten-
leute (West Germany). Berichte-6].
Another trans. is available from SLA mi\$2.40, ph\$3.30
as 60-18611, 8 Nov 50, 20p.

DESCRIPTORS: *Iron, Powder metals, Powder
metallurgy, Sheets, *Rolling mills, *Mechanical
working.

For abstract see Technical Translations 4: 678, 1960.

(Metallurgy, TT, v. 10, no. 7)

63-16763

- I. Naeer, G.
- II. Zirm, F.
- III. Vereln ... Berichte-6

Office of Technical Services

Properties of Continuously Cast Alloy Steels, by
H. Buchholtz, E. K. Speith, F. Rapatz.

GERMAN, per, Stahl und Eisen, Vol LXX, No 24, 1950,
pp 1106-1108.

Brutcher Tr
~~XXXXXXXXXX~~
No 2900

20,902

Scientific - Min/Metals

Jan 55 CTS/DEX

Alleviation of Residual Stresses Set up in the Cold
Drawing of Bar Stock, by H. Buhler, E. H. Schulz.

GERMAN, per, Stahl und Eisen, Vol LXX, No 25, 1950,
pp 1147-1152.

Brutcher Tr No 2686, \$11.80

~~XXXXXXXX~~

~~Brutcher~~

XII

Engr Digest, Vol XXX, No 4

Apr 1951, pp 123-125

Scientific - Min/Metals

17,534

Influence of Various Heat-Treatments and Alloy
Additions on the Work-Hardening Properties of Steel,
by Georg Niebohr, Anton Pompl, 21 pp.

BERMAN, per, Stahl und Eisen, Vol LXX, No 25,
1950, pp 1166-1174.

SLA 60-18615

k1

pr 61

146,141

Recent Results in Operating With the Lime Sinter
Process, by E. Soos. UNCL

GERMAN, per, Stahl u Eisen, Vol LXXI, Nov 23, 1950,
pp 1108-1111.

British Iron and Steel Ind
(no number given)

Sci - Engr
Sep 59

98,135

Calculation of Modern Continuous Pickling Plants,
by W. Fackert,

GERMAN, per, Stahl u Eisen, Vol LXXII, No 20,
1952, pp 1196-1207.

Brutcher Tr No 3431
\$9.80

Scientific - Min/Metals

Feb 55 CTS
21,071

Conversion of Pig Iron into Steel in the Converter
With the Use of Pure Oxygen, by H. Hellbrugge.

GERMAN, Stahl und Eisen, Vol 70, 1950, No 26, pp
1208-1211.

Brutcher Tech Tr 2672

Spread in the Hot Rolling of Steel, by H. Bechmann.

GERMAN, ~~por~~, Stahl und Eisen, Vol LXX, No 26, 1950,
pp 1222-1223.

Brutcher Tech Tr 2861

Scientific - Min/Metals

12,729

Influence of the Height of the Coke Oven Cham-
bers and the Coal Moisture Content on the Bulk
Density of the Chamber and on the Composition
of the Coke, by H. Mock, M. Paschke.

^h
GERMAN, per, Stahl und Eisen, Vol XLIX, 1950,
pp 1311-1312.

*See R.A. 1
2274*

*The British
Research Association*

Dept of Int
US Bur of Mines
Southern Exper Sta
Tuscaloosa, Ala. No 224

Sci - Eng

May 59

87, 718

Influence of Increased Silicon or Manganese
Contents on the Properties of 10 and 14-Ton Forging
Ingots of Basic Open-Hearth Steel, by W. Meisemeyer.

GERMAN, Stahl und Eisen, Vol 71, 1951, No 1, pp 8-15.

Brutcher Tech Tr 2895

Exp. Rate and Working Rate With Chromium-
Impregnated Graphite in Open-Hearth Steel Furnaces.
and the Economics and Metallurgical Advantages
Compared With Silica Furnaces, by F. J. Cardwell,
P. Bremer. UNCL

STEELMAN, per, Stahl u Eisen, Vol LXXX, No 2,
18 Jan 1951, pp 64-71.

British Iron and Steel Ind
(no number given)

See - Engr
Cop 99

98, 128

Observations on 885° F. Embrittlement in Ferritic
Stainless Steel by C. A. Zapffe et al.

GERMAN, Stahl und Eisen, Vol 71, 1951, No 3, pp 109-~~11~~
119

Brutcher Tech Tr No 2832

Pure Hydrodynamically Lubricated Bearings (Multiple Surface Bearings), by W. Froessel

GERMAN, per, Stahl und Eisen, Dusseldorf, Vol LXXI, No 3, 1951, pp 125-128.

A.E.R.E. Harvell
11/3/5/342 OT/589

Scientific - Minerals/Metals
CTS/DEX

SLA 8194
57-3313

Improvement of the Quality of Drawing Dies by
Supervision of the Die Profiles Using Modern
Measuring Methods, by Werner Lung, 32 pp.

GERMAN, per, Stahl und Eisen, Vol LXXI, No 4,
1951, pp 157-170.

SLA 60-18612

Sci

Apr 61

SLA 62-18436
146,086

Cleaning Steel Ingots and Rolled Sheets, by
K. Rubmann. UNCL

GERMAN, per, Stahl u Eisen, 15 Mar 1951,
pp 288-294.

British Iron and Steel Ind
(no number given)

Sci - Min/Met
Sep 59

98,365