

Hampel, G.
THE EXACT DETERMINATION OF STARCH DAMAGE
AND OVER-GRINDING BY THE AMYLOSE NUMBER.
[1963] 13p.

Available on loan from SLA

63-16299

Trans. of Getreide und Mehl (West Germany) 1952,
v. 2, no. 2, p. 2-16.

DESCRIPTORS: Determination, *Starches, Processing,
Damage, Decomposition, Flour, Manufacturing
methods.

The conception of a partially stratified structure of the
starch granules is supported by the paper. By gradually
increasing mechanical effects, mixtures of starch com-
ponents were isolated, which at the same concentration
and temperature with addition of iodine, yielded com-
pounds of various degrees of coloring. It can be
(Food, TT, v. 10, no. 3)

(over)

63-16299

1. Hampel, G.

Office of Technical Services

The Reduction of Janus Green as an Indication
of the Bacterial Content of Grain, by
W. Dierckx. UNCLASSIFIED

GERMAN, ~~xxxx~~ par, Getreide u Mehl, Vol II, No 6,
1952, pp 64-66.

DSIR/31919/CT

Sci - Biol, agriculture
Oct 58

74, 434

Participation of Enzymes in Formation of Fatty
Bitter Substance in Damaged Grains, by B. Thomas,
M. M. Rothe.

GERMAN, per, Getreide und Muhl, Vol IV, 1954,
pp 17-19,

GB/221

Sci-Biol

Aug 63

342,017

Hess, Kurt.
PROTEIN MATTER AND BAKING QUALITY. [1963]
7p. 1 ref.
Order from SLA \$1.10

63-14963

Trans. of Getreide und Mehl (West Germany) 1955,
v. 5, no. 11 [p. 82-84].

DESCRIPTORS: *Proteins, *Bakery products, Cereals,
*Flour, Starches, Chemical analysis.

(Food, TT, v. 10, no. 5)

63-14963

1. Hess, K.

Office of Technical Services

Belderok, B.
THE VISCOMETRIC METHOD TO DETERMINE THE
ALPHA-AMYLASE ACTIVITY IN THE INDIVIDUAL
GRAIN KERNELS AND AS SUCH APPLICATION IN
CONCEALED SPROUTING. [1963] 13p. 11 refs.
Order from SLA \$1.60 63-14865

Trans. of Getreide und Mehl (West Germany) 1957,
v. 7, no. 9, p. 77-80.

DESCRIPTORS: *Glycoside hydrolases, *Starches,
Flour, *Bakery products, Dextrins, *Viscosimeters,
Enzymes, *Seeds, Growth.

(Food, TT, v. 10, no. 5)

63-14865

I. Belderok, B.

Office of Technical Services

Importance for Bakability of Thiol and
Disulphide Groups in Gluten, by A. H. ~~KREHBIK~~
Bloksma.

GERMAN, per, Getreide und Mehl, Vol VIII, No 9,
1958.

GB/75/B.B.I.R.A. T.70

Sci-Biol & Med Sci
May 63

229,881

Automatic Water Determination in Cereal Products Using
the Carl Fisher Reagent, by W. Seibel, H. Bolling,
14 p.

GERMAN, per, Getreide und Mehl, 1958, Vol VIII, No 10,
pp 73-76.

SLA 60-10123

Sci
Apr 60
Vol III, No 3

112,148

Protein Determination in Cereal by Application
of the Boric Acid and Formol Titration, by
D. W. Seibel, H. Bolling, 14 pp.

GERMAN, per, Getreide und Mehl, Vol VIII,
No 11, 1958, pp 86-88.

OTS 60-16577

Sci

187, 772

3 Mar 62

Vol 4, No

Olerod, R.
A KINETIC METHOD FOR ALPHA-AMYLASE
ACTIVITY DETERMINATION IN BREAD CEREAL.
[1963] 9p. (figs. refs. omitted).
Order from SLA \$1.10

63-16490

Trans. of Getreide und Mehl (West Germany) 1959,
v. 9, no. 5, p. 49-52.

DESCRIPTORS: Flour, *Bread, *Cereals, Enzymes,
*Glycoside hydrolases, *Colorimetry.

(Food, TT, v. 10, no. 8)

63-16490

I. Olerod, R.

Office of Technical Services

Hampel, C.
NEW PRINCIPLES FOR THE VALUATION OF RICE.
[1960] 14p. (refs. omitted).
Order from SLA mi\$2.40, ph\$3.30

61-10172

Trans. of Getreide und Mehl (West Germany) 1959,
v. 9, no. 10, p. 105-109.

141, 156

(Agriculture--Plant Cultivation, TT, v. 5, no. 2)

61-10172

1. Rice--Standards
I. Hampel, C.

Office of Technical Services

Changes in Wheat Due to ~~Gamma~~-Irradiation, by
M. Milner, K. F. Finney,

GERMAN, per, Getreide und Mehl, Vol IX, No 10,
1959, pp 110-112.

Sci - ~~Phys~~
Sep 60

~~Not~~ available from
Pest Infestation Lab
Agricultural Research Council
London Road, Slough,
Buckinghamshire, England

Irradiation of Grain and Flour in Belgium,
by E. Maes, A. Deschneider, G. Peeters, 12 pp.

GERMAN, per, Getreide und Mehl, Vol IX, 1959,
pp 117-119.

AEC NP-Tr-515

Sci - Biol
Apr 61

149,571

The Treatment of Wheat With Ionizing Radiation,
Part I, ~~XXXX~~ Effect on the Milling Qualities in
Hard Winterwheats, by W. Seibel, 13 pp.

GERMAN, per, Getreide und Mehl, Vol X, No 2,
1960, pp 13-16. 9080253

AERE, Harwell
NP- Tr-690

Sci
Sep 61

167, 845

The Treatment of Wheat With Ionizing Radiation.
Part II. The Effect on the Pentosans and Baking
Properties of Hard Winter Wheat, by F. K. Finney,
M. Milner, W. Seibel, 20 pp.

GERMAN, per, Getreide und Mehl, Vol X, 1960,
pp 16-20.

AEC HP Tr-696

171, 231

Sci

Oct 61

List 59

Behavior of Gluten Proteins in the Treatment of
Flour With Gamma Rays, by A. R. Daschreider, 21 pp.

GERMAN, per, Getreide Muhl., Vol X, No 5, 1960,
pp 49-54.

ANNO-Tr-5798

Sci - Biol

Aug 63

341, 318

Spicher, Gottfried.

THE MICROFLORA OF THE GRAIN IN SCREENROOM
AND MILLING DIAGRAM. 1. RESEARCH ABOUT THE
EFFECTIVENESS OF STEAM CONDITIONING ON THE
GERM CONTENT OF THE WHEAT. [1963] [15] p. 9 refs.
Order from SLA \$1.60 63-14975

Trans. of Getreide u[nd] Mehl (West Germany) 1960,
v. 10, no. 11, p. 121-128 (Federal Research Institute
for Grain Processing, Detmold (West Germany).
Publication-2677).

DESCRIPTORS: Microbiology, *Wheat, Bacteria,
*Flour, Heat treatment, Processing, Decontamination,
*Steam cleaning.

(Food, TT, v. 10, no. 4)

63-14975

I. Spicher, G.
II. Title: Research ...

Office of Technical Services

Gullbot, A.
EXAMINATIONS OF STEROLESTERS IN CEREAL
AND THEIR SIGNIFICANCE FOR THE DISCRIMI-
NATION BETWEEN DURUM AND COMMON WHEAT.
25 Sep 61, 16p. 30 refs.
Order from SLA \$1. 60

61-20737

Trans. of Getreide u[nd] Mehl (West Germany) 1961,
v. 11, no. 5, p. 49-53.

DESCRIPTORS: *Cereals, *Wheat, *Sterols, *Lipids,
Esters

(Agriculture, TT, v. 7, no. 4)

61-20737

1. Gullbot, A.

Office of Technical Services

Binding of Protein and Different Forms of Phosphorus
in Gluten, by A. Bourlet, J. Herard.
GERMAN, per, Getreide und Mehl, Vol XII, No 6, 1962,
pp 61-70.
GB/163/Anon

Apr 64
Sci - Chem

257,265

Microscopical Studies on Waxes, Second Part, by
W. Hassler, 8 pp.

GERMAN, no per, Getta u. Seifen, Vol IV, 1953,
pp 596-600.

S.I.A. Tr No 57-200

Sci - Biochemistry, analytical
Apr 57

46,873

Physiological Aspects of Industrial Fatigue,
by E. Atzler, 10 p.

GERMAN, per, Gewerbetätigkeit, 1929, Vol CVIII,
No 2/3, pp 35-42.

SLA 60-10197

Sci
Apr 60
Vol III, No 3

111,571

Inventor Compensation, by H. Schade, 8 pp.

GERMAN, per, Gewerblicher Rechtsschutz und
Urheberrecht, No 3, 1962, pp 125-126.

Patent Office

WE. Germany
Soc

Sep 62

210,635

Nashring, E.
THE DOCTRINE OF THE INVENTIVE LEVEL IN
GERMAN PATENT PROSECUTION. [1 June 59] [16]p.
37 refs.
Order from SLA \$1.60

62-14038

Partial trans. (excerpts from p. 57-62) of Gewerblic-
her Rechtsschutz und Urheberrecht (West Germany)
1959, v. 61, no. 2, p. 57-104.

DESCRIPTORS: *Patents, Inventions, *Germany,
Political science.

(Social Sciences, TT, v. 8, no. 5)

62-14038

1. Title: Patent law-
1. Nashring, E.

Office of Technical Services

(DX-6299)

The Trade Unions in the Countries of West
Africa. 32 pp.

GERMAN, monograph, Die Gewerkschaften in den
Ländern Westafrikas, 1961.

JPRS 8907

HE/A - Africa

See

Oct 61

171, 890

Regarding the Soviet Conception of Development Aid,
by Richard Schwertfeger, 8 pp. UNCL

GERMAN, per, Gewerkschaftliche Monatshefte, No 9,
1961, pp 526-529.

JPR3/SF-2003

USSR .

Econ

Oct 61

170, 974

J-1426/63

The Development of the Trade Union Movement of Nigeria,
by Herbert S. Tulatz, 283 pp. *For official use only.*

GERMAN, bk, Die Gewerkschaftsentwicklung Nigerias,
1963, pp 1-180.

[Signature]
*JPRS/SPECIAL/NY-7882

Africa - Nigeria
Soc
Oct 63

Weight-Optimization for Radiation Shields of big
Nuclear Reactors, by S. Sasse.

GERMAN, rpt, Gewichtsoptimalisierung von Abschirm-
schilden für Gross-Reaktoren, 1964.

*AEC OIRNL tr-1525

Sci/Nuclear Sci.

Dec 66

The Endemic Goiter in the ~~WEST~~ Netherlands.
Part II. The Thyroid Dysfunction in Endemic
Goiter, by J. Terpstra, 8 pp.

DUTCH, per, Gezondheidsorganisatie T.M.O.,
Assen 1959, pp 171-176.

WTH 2-8-62

191, 446

Sci - Med

Apr 62

English Title Unknown, by G. L. Funke.
DUTCH, per, Ghent, Vol 4, No 2, June 1936, pp 67-84.
*NTIS TT 72-53048

Aug 72

English Title Unknown, by G. I. Funke.
DUTCH, per, Ghent, Vol 5, 1937, pp 30-44.
*NTIS TT 72-53044

Aug 72

Use of Multiple Regression to Represent the
Influence of Temperature, Wind Velocity,
Atmospheric Pressure, Saturation Deficit,
Insolation and Radiation on the Evaporating
Power of the Air., by I. Impens, J. Schalck.
GERMAN, per, Ghent, Rijkslandbouwhogeschool.
Laboratorium. voor Plantecologie. Mededelingen.
No. 3, 1962, pp 21-55
CSIRO/No. 6942

Sci -

Aug 67

335-969

62-33158

WELDING OF VERY THICK STEELS. Quarterly rept.
no. 1, 1 Sep-31 Dec 61, on Contract 042-61-9 RDB.
[1962] 162p.

Order from OTS or SLA \$12.00 EURAEC-273

Trans. of a rept. from Ghent U. (Belgium) and
Soudometal Co. Ltd. Brussels (Belgium) n.d.

DESCRIPTORS: Nuclear reactors, Reactor materials,
Pressure vessels, *Steel, *Welding, Welded joints,
Fracture (Mechanics), Brittleness, Creep, Tests.

A survey was made of problems born of constructional
particularities of the main types of reactor vessels
being used at present. Preliminary studies were made
of string-weave bead anomalies in the filler metal; of
brittleness in the base metal, caused by plastic strain
at different temperatures; and of brittleness in filler
metal, caused by plastic strain at different
temperatures.

- I. EURAEC-273
- II. EURATOM (Belgium)

(Nuclear Physics--Nuclear
Engineering, TT, v. 9, no. 5)
Office of Technical Services

Photogrammetric Recorder Devices, Analysis of the
Advantages and Disadvantages of Various Recording
Systems, by K. Saenger, 10 pp.

GERMAN, rpt. Photogrammetrische Aufzeichnungs-
Geräte - Betrachtungen über die Vor- und Nachteile der - Ver-
schiedensten Aufzeichnungsarten.

*FTD-11-63-250

Sci - Phys
Mar 65

276,294

Transfusion Treatment in Chronic Leukemias, by
H. D. Schayer, M. Gorinchen, 7 pp.

GERMAN, per, Gids, Vol XXXIV, No 25, 6 Dec
1956, pp 477-480.

S.L.A. Tr 57-63

Sci - Medicine
Apr 57

46,946

A Group-Theory Treatment of the Electron Bands
in the Diamond Lattice, by W. Doring, V. Zehler,
27 pp.

GERMAN, [G], Gießen. Institute fuer Theor.
Physik der Justus-Liebig-Hochschule.

Emmanuel Coll Res Lang Ctr
E-T-R-G-62-31

Sci - Phys, Electron
Aug 63

342,093

Increase and Pathogenic Operation of Virus by
E. Nitzschke, 9 pp.

GERMAN, per, Giesener Hochschublatter, 1961,
pp 8-12.

ACBI I-8141-A
ID 2203436

Sci - Biological & Med Sciences 225, 214
Mar 63

Experiences with High-Frequency Induction
Furnaces, by N. Broglia, 20 pp.

CEGOMAN, par, Giesserei, Vol XXIV, 1927, pp
73-80.

SLA 57-2371

Sci

Aug 58

71,692

Special Alloys (Continuation), 15 p.

GERMAN, per, Giesserei, 1930, Vol XXVII, No 14,
pp 388-391. and No 19, pp 541-544.

SLA 59-20479

Sci
Mar 60
Vol 3, No 1

110,989

The Demands Placed Upon Men in the Foundry and the
Practical Evaluation of the Data in Practice, 37 7 p.

GERMAN, per, Giesserei, 19³0, Vol XVII, No 32,
pp 770-774.

BLA 60-10053

Sci
Apr 60
Vol III, No 2

113,558

The Influence of Industrial Development on Health,
by Ascher, 6 p.

GERMAN, per, Giesseval, 1930, Vol XVII, No 51/52,
pp 1211-1216.

⁶⁰
SLA ~~60~~- 10054

Sci
Apr 60
Vol III, No 2

111, 614

Improvements in Mammal Overhead Trolley Conveyors,
by H. Schulze-Manitius, 5 p.

GERMAN, per, Giesserei, 1931, Vol XVIII, (Neue
Folge, Vol IV, No 5, pp 98-101.

BLA 59-20441

Sci
Mar 60
Vol 3, No 1

110,965

Machine for Diecasting Brass (Technical Review),

GERMAN, per, Giesserei, 1931, Vol XVIII,
Neue Folge, Vol IV, No 7, pp 147-148.

SLA 59-20223

Sci
Mar 60
Vol 2, No 11

109,602

<p>Lanzendörfer, E. INFLUENCE OF CAST-IN CHILLS ON THE DENSITY AND STRENGTH OF BESSEMER STEEL CASTINGS. [July 47] 11p. (6 figs omitted). Order from St.A mi\$2.40, ph\$3.30</p>	<p>60-18299 1. Steel castings--Mechanical properties 1. Lanzendörfer, E.</p>
<p>Trans. of Gieseler (Germany) 1932, v. 19, no. [19/21] p. 181-186.</p>	
<p>(Unannounced)</p>	<p>Office of Technical Services</p>

142,801

BESSERE:

1932 V19 N45/6 P458-664	70-23042 <1> J11
1933 V20 N33/4 P346-368	70-23051 <0> J11
1964 V16 N3 P149-181	345 <TC> J11

ORDER FROM NTC

Mechanical Properties of Cast Iron at High Temperatures
by R. Bertschinger, E. Pivovarsky.

DETMAN, per, Die Giesserei, Vol XXII, 1935.

Brutcher Tr No 878

Scientific - Min/Metals

\$1.20

14,020

Roll F.
THE QUALITATIVE AND QUANTITATIVE DETER-
MINATION OF SULFITE WASTE LIQUID. [1962]
5p. (figs. tables omitted) 6 refs.
Order from SLA \$1.10

62-16537

Trans. of Glesserei (Germany) 1935, v. 22, no. 26,
p. 628-630.

DESCRIPTORS: Binders, Sulfites, Chemical waste,
Detection (Chemical), Quantitative analysis.

(Unannounced)

62-16537

I. Roll, F.

Office of Technical Services

Cast Camshafts and Crankshafts, by H. Cornelius,
F. Bollenrath.

GERMAN, per, Die Giesserei, Vol XXIII, 1936,
pp 229-236.

Brutcher Tr No 304

Scientific - Min/Metals

\$6.30

15,884

Impact Strength and Notch Sensitivity of Cast Iron,
by E. Piwowarsky, 21 p.

GERMANY, 1er, Giesserei, 1936, Vol XXXIII, No 26,
pp 674-685.

SLA 59-20438

111,009

Sci
Mar 60
Vol 3, No 1

Practical Experiences With High-Frequency Furnaces in
Foundries, by N. Broglia.

GERMAN, per, Giesserei, Vol XXIV, 1937.

Brutcher Tr No 360

16,653

Scientific - Min/Metals

\$6.20

Industrial Photography With Miniature Cameras,
by W. Anders, 7 pp.

GERMAN, per, Giesserei, Vol XXIV, 23 Feb 1937,
pp 80-83.

SLA 57-2188

May 58

64,567

62-20068

Jurich, H.
PRIMARY ETCHING OF GRAY CAST IRON. [1962]
(figs. omitted) 3 refs.
Order from SLA \$1.10

62-20068

I. Jurich, H.

Trans. of Gieseler (Germany) 1937, v. 24,
p. 341-343.

DESCRIPTORS: *Cast iron, *Photoengraving,
Microstructure.

Two new general etching agents for the development of the primary structure of gray cast iron have been disclosed. They are concentrated sulfuric acid + formic acid and concentrated sulfuric acid + boric acid. These agents are also particularly useful in those cases where the primary structure of gray cast iron and of malleable cast iron could not be made visible with existing etching agents. The effect of the (Metallurgy--Ferrous Metals, TT, v. 9, no. 8) (over)

Office of Technical Services

Present Status of the Superheating of Melts of
Cast Iron, by E. Pivovarsky, 15 p.

GERMAN, per, Gieseler, 1937, Vol XXIV, No 21,
pp 510-518.

SLA 59-20439

Sci
Mar 60
Vol 3, No 1

111,010

60-18965

REVIEW OF PAPERS READ AT THE SIXTH
ANNUAL MEETING OF THE FOUNDRY INSTITUTE
OF THE AACHEN INSTITUTE OF TECHNOLOGY
[1960] 17p.
Order from SLA \$1.00

60-18965

Trans. of Gleaserel (Germany) 1937, v. 24, 24 Sep,
p. 490-494 and 8 Oct, p. 519-521.

DESCRIPTORS: Industrial research, *Foundries,
*Aluminum castings, Precipitation hardening, Heat
treatment, Aluminum alloys, Silicon alloys, Castings,
Magnesium alloys, *Rolling mills, *Gases,
*Machining, *Brittle materials, *Cast iron, Stresses,
*Crystallization, *Cupola furnaces, Melting, Metals,
Quality control, Management engineering, Personnel,
Industrial plants.

(Metallurgy, TT, v. 8, no. 11)

(over)

1. Title: Silumina

Office of Technical Services

Chill Mold Casting of Aluminium Alloys, by
A. Vath, 14 p.

GERMAN, per, Giesserei, 1938, Vol XIV, Neue
Folge, Vol XI, no 8, pp 177-183.

SLA 59-20446

Sci
Mar 60
Vol 2, No 12

109,195

Resow, H.
EFFECT OF MATERIAL, SHAPE AND MOULDING
TECHNIQUE ON THE EFFICIENCY OF THE STEEL
FOUNDRY. [1961] [7]p.
Order from SLA \$1.10

61-18506

Trans. of Glesserei (Germany) 1938, v. 25, 9 Sep,
p. 447-450.

DESCRIPTORS: *Steel industry, Design, *Steel casting,
Molding.

(Unannounced)

61-18506

I. Resow, H.

184074

Office of Technical Services

Flame Hardening of Gray Cast Iron and Malleable
Cast Iron, by G. Kritzler, F. Roll, 15 pp.

GERMAN, per, Giesserei, Vol XXV, 1938, pp
609-616.

7

SIA 2658

Sci - Min/Mat

58, 446

Feb 58

The Utilization of Nickel Scrap and Wastes in
the Foundry, by Edmund F. Thews, 6 p.

GERMAN, per, Gieseler, 1939, Vol XXVI,
Neue Folge Vol XII, No 5, pp 121-123.

SLA 59-20226

Sci
Mar 60
Vol 2, No 12

109,242

The Development of Zinc Alloys Since 1900,
by A. Burkhardt, 18 pp.

GERMAN, per, Giesserei, Vol XXVI, Sep 1939,
pp 484-487; Oct 1939, pp 505-508.

SLA 57-1053

May 58

63,871

The Effect of Cerium on Cast Iron, by W. Baukloh,
H. Meierling.

GERMAN, per, Die Giesserei, Vol XXVII, 1940.

Bratcher Tr 1433

Scientific - Min/Metals

\$4.10

12,742

Comparison of Aluminum Sand Casting and Chill Mold
Casting, by A. von Zeerleder, 6 p.

GERMAN, per, Giesserei, 1940, Vol XXVII, No 1,
pp 12-14.

SLA 59-20440

Sci
Mar 60
Vol 3, No 1

110,964

Piwowsky, E.
THE EFFECT OF LADLE ADDITIONS ON THE
PROPERTIES OF CAST IRON. July 40 [32]p. 48 refs.
Order from SLA \$3.60 61-18478

Trans. of Giesserei (Germany) 1940, v. 27, no. 1,
p. 21-30 and no. 2, p. 47-52.

DESCRIPTORS: *Cast iron, *Iron alloys, Melting,
Temperature, Heat treatment, Metallurgy.

(Unannounced)

61-18478

I. Piwowsky, E.

184057

Office of Technical Services

Piwowsky, E.
LADLE ADDITIONS TO CAST IRON, Oct 40, 3p.
20 refs.
Order from SLA \$1.10

61-18477

Trans. of Gieseler (Germany) 1940, v. 27, 5 Apr,
p. 124-125.

DESCRIPTORS: Cast iron, Additives, Metallurgical
analysis.

(Unannounced)

61-18477

I. Piwowsky, E.

184056

Office of Technical Services

Chworinoff, N.
THEORY OF THE SOLIDIFICATION OF CASTINGS.
[1961] 44p. 13 refs.
Order from SLA \$4.00

61-18498

Trans. of Gleeserel (Germany) 1940, v. 27, 17 May,
p. 177-186; 31 May, p. 201-208; 14 June, p. 222-225.

DESCRIPTORS: *Solid castings, Processing, Heat
treatment, Hardening, Castings.

(Unannounced)

61-18498

I. Chworinoff, N.

184069

Office of Technical Services

Endell, K., Reiningger, H. and others.
THE IMPORTANCE OF THE SWELLING PROPERTIES
OF CLAY BINDERS FOR FOUNDRY SANDS. June 43
[29]p. 46 refs.
Order from SLA \$2.60

61-18476

Trans. of Giesserei (Germany) 1940, v. 27, 29 Nov.,
p. 465-475 and 13 Dec., p. 499-502.

DESCRIPTORS: *Sand, *Binders, *Molding materials,
*Clays.

(Unannounced)

61-18476

I. Endell, K.
II. Reiningger, H.

184055

Office of Technical Services

Experiences with the Radiographic Examination of
Magnesium Castings for Shop and Acceptance In-
spection, by A. A. P. Goedartitz, 11 pp.

GERMAN, per; Giesserei, No 10, 1941, pp 217-224.

SLA 58-438

Sci

Aug 59

95, 714

Bertschinger, R. and Piwowarsky, E.
FATIGUE STRENGTH AND NOTCH SENSITIVITY IN
CAST IRON. I. THE INFLUENCE OF FREQUENCY,
TEMPERATURE AND THE METALLIC MATRIX
(Werkstoff Gusseisen: Ermüdungsfestigkeit und Kerb-
sicherheit. I. Einfluss der Frequenz, der Temperatur
und der Metallischen Grundmasse). Feb 43 [30]p.
(foreign text included) 30 refs.
Order from SLA \$2.60

61-18554

Trans. of Gleasonerei (Germany) 1941, v. 28, no. 17,
p. 365-372 and no. 18, p. 385-389.

DESCRIPTORS: *Cast iron, Fatigue (Mechanics),
*Metallurgical analysis, Heat treatment, Iron, Castings.

(Unannounced)

61-18554

I. Bertschinger, R.
II. Piwowarsky, E.

184097

Office of Technical Services

Hollinderblumer, W.
CONVERTER PRACTICE. [1961] 4p.
Order from SLA \$1.10 61-18873

Trans. of Gieseler (West Germany) 1941 [v. 28]
p. 491-492.

DESCRIPTORS: *Steel castings, Castings, Manufac-
turing methods.

(Metallurgy--Ferrous Metals, TT, v. 7, no. 4)

61-18873

1. Title: Converter practice
1. Hollinderblumer, W.

Office of Technical Services

<p>Tobias, P. and Brinkmann, G. ON THE PRESENT POSITION OF CORE BINDERS. [1961] [6]p. 2 refs. Order from SLA \$1.10</p> <p>Trans. of <u>Gieseler</u> (Germany) 1941, v. 28, 12 Dec, p. 501-503.</p> <p>DESCRIPTORS: *Binders, Castings.</p> <p>(Machinery--Manufacturing, TT, v. 6, no. 5)</p>	<p>61-18504</p> <p>I. Tobias, P. II. Brinkmann, G.</p> <p>176619</p> <p>Office of Technical Services</p>
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Knipp, E. and Emde, G.
NEW METHODS IN MOULD MATERIAL ECONOMY.
Rept. no. 1 of the [Steel Castings Committee] of the
Verein Deutscher Giesserei-fachleute. [1961] [41]p.
45 refs. 61-18503
Order from LLA \$4.60

Trans. of Giesserei (Germany) 1941, v. 28, 20 Nov.
p. 481-491 and 12 Dec, p. 503-514.

DESCRIPTORS: *Molding materials, Steel castings,
*Steel industry, Casts, Castings.

(Unannounced)

61-18503

I. Knipp, E.
II. Emde, G.
III. Title: Verein...

184073

Office of Technical Services

Influence of Thorium on Cast Iron, by W. Baukloh,
Meierling.

GERMAN, per, Die Gießerei, Vol XXIX, 1942.

Brutcher Tr 1470

Scientific - Min/Metals

\$1.60

12,743

Juretzek, Hubert.
ALLOY STEEL CASTINGS, THEIR PROPERTIES AND
APPLICATION. Rept. no. 3 of the Steel Castings
Committee of the Verein Deutscher Giesserei-fachleute.
[1961] 31p. (9 figs. omitted) 12 refs.
Order from SLA \$3.60

61-18499

Trans. of Giesserei (Germany) 1942, v. 29, 26 June,
p. 217-226 and 10 July, p. 243-249.

DESCRIPTORS: *Steel castings, *Cast steel, *Heat
resistant alloys, Castings.

(Unannounced)

61-18499

I. Juretzek, H.
II. Title: Vereins...

184070

Office of Technical Services

Relationship Between Composition and Mechanical
Properties of Cast Iron, by G. Brinkmann, P. Tobias.

GERMAN, per, Die Giesserei, Vol XXIX, 1942,
pp 317-320.

Brutcher Tr No 1455

Scientific - Min/Metals

\$3.35

16, 438

The Pressure Die Casting Industry, by Karl Mattheus,
8 pp.

GERMAN
Glossary, per, Die Giesserei, Vol XXIX, No 12, June
1942.

S.L.A. Tr 102/1956

34,012

Scientific - Engineering

Endell, K. and Strassmann, W.
SYNTHETIC FOUNDRY SANDS WITH CEMENT AS
A BINDER. Rept. no. 2 of the Fachausschuss Grauguss
of the Verein Deutscher Gießerei-fachleute. [Sep 46]
15p. (2 figs. omitted) 39 refs.
Order from S.L.A. mi\$2. 40, ph\$3. 30 60-18811

Trans. of Gieseler (Germany) 1942, v. 29, 16 Oct,
p. 349-356.

(Unannounced)

60-18811

1. Sand--Bonding
2. Cements--Applications
3. Molding materials--
Development
4. Title: Foundry sand
- I. Endell, K.
- II. Strassmann, W.
- III. Title: Verein Deutscher
Gieseler-fachleute,
Rept. -2

Office of Technical Services

Stolle, Rudolf.
BESSEMER SHOP PRACTICE. [July 46] 13p.
Order from SLA mi\$2. 40, ph\$3. 30 60-18810
Trans. of Gieseler (Germany) 1942, v. 29, 11 Dec,
p. 413-419.

142,863

60-18810

1. Steel--Production
2. Title: Bessemer-Shop
1. Stolle, R.

Office of Technical Services

(Unannounced)

Melts
Influence of Slags on Cast Iron ~~XXXX~~, by
P. Bardenheuer.

GERMAN, per, Die Giesserei, Vol XXX, 1943.

Brutcher Tr 1780

Scientific - Min/Metal

\$5.60

12,865

Notch Impact Toughness of Cast Steel at Low
Temperatures, by H. Juratzek, W. Trommer

GERMAN, per, Giesserei, Dusseldorf, Vol XXX, No 2,
22 Jan 1943, pp 21-24. *W*

TPA3/TIB 1 4145

Scientific - Minerals/Metals
CIS/DEX

8871

The Principles of Welding Cast Magnesium Alloys,
by K. Grassmann.

GERMAN, per. Giesserei, Vol XXX, No 7/9, 10/11,
Apr/May 1943, pp 107-110, 129-132.

TPA3/TIB T 4223

Scientific - Minerals/Metals

May 54 CTS

14,092

62-10249

APPLICATION POSSIBLITY OF SYNTHETIC RES-
INS AS GRAIN BINDERS. [1961] [4]p. (3 refs.
1 fig. omitted).

Order from SLA \$1.10

62-10249

Partial trans. of die Glesserei (Germany) 1943
[v. 30, no. 11] p. 249ff.

DESCRIPTORS: *Plastics, *Binders, Ureaformalde-
hyde resins, Sand, Mixtures, Humidity, Moisture,
Preparation, Resins.

(Materials--Plastics, TT, v. 7, no. 9)

Office of Technical Services

Influence of Rate of Load Application in Tensile
Testing Upon the Strength of Cast Iron, by F. Bischof.

GERMAN, Die Giesserei, Vol XXXI, 1944.

Brutcher Tr No 1823

14,948

Scientific - Min/Metals

\$1.30

Influences of Phosphorus on Hardness of Cast
Iron on Quenching, by P. Bischof.

GERMAN, Die Giesserei, Vol XXXI, Nos 8, 9,
1944.

Brutcher Tr No 1676

Scientific - Min/Metals

\$3.60

14,947

The Creep Strength of Cast Aluminium Alloys,
by H. Vosskuhle^g, 8 pp.

GERMAN, per, Gieseler, Vol IV, Dec 1950,
pp 172-174.

SLA 1990

Sci - Minerals/Metals
Oct 57

54,035-

Effect of Various Alloying Elements on the Properties
of Cast Iron, Particularly on Thermal Stability,
by H. Timmerbeil.

GERMAN, per, Die Giesserei, Vol XXXVIII, No 2, 1951,
pp 25-29.

Brutcher Trans No 2914

Scientific - Metallurgy, alloys, iron

The Rapid Determination and Correction of the
Phosphorus Content of Molten Copper and Copper
Alloys in the foundry, by H. Zeppelin, 4 pp.

GERMAN, per, Gesellschaft, Vol XXXVIII, 8 Feb 1951,
pp 51, 52.

ELA 2327

Sci - Minerals/Metals
Oct 57

54,040

Residual Stresses in Continuously Cast Aluminum Bars,
by G. Seeger.

Full translation.

GERMAN, Der, Gieserei, Vol XXXVIII, No 14, 1951,
pp 325-329.

Brutcher Tr 2916

Scientific: - Cast aluminum, alloys, stress state

Contribution to Ingot-Mold Making, by E. Feil.

GERMAN, Die Giesserei, Vol 38, 1951, No 24,
pp 345-355.

Brutcher Tech Tr 2894

Media for Fluxing, Purifying, Degassing, Desulfurizing, and for Preventing Shrinkage Cavities in Nonferrous Metals and Iron and Steel Castings, by E. Piwowarsky.

GERMAN, Die Giesserei, Vol 38, 1951, No 18, pp 417-422.

Brutcher Tech Tr 2897

Statistical Research into Productivity Increase
at Electric Steel Foundries, by W. Trommer,
UNCLASSIFIED

GERMAN, Glassteil, Vol 38, 1951, No 18,
pp 422-426.

Brutcher Order No 2939

Scientific - Metallurgy, steel, foundry

February 1953

Timmerbell, H., Clas, G., and Mattern, O.
THE THERMAL STABILITY OF CAST-IRON AND
THE EFFECT OF VARIOUS ALLOYING ELEMENTS
(Die Thermische Beständigkeit von Guss-eisen und der
Einfluss Verschiedener Legierungselemente). [1961]
[29]p. (foreign text included) 9 refs.
Order from SLA \$2.60

62-10533

Trans. of Glesserei (West Germany) 1951, v. 38,
p. 476-482 (Verein Deutscher Glessereifachleute,
Bericht 5).

DESCRIPTORS: *Cast iron, *Refractory coatings,
*Heat resistant alloys, Carbides, Pearlite, Phosphorus,
Silicon, Aluminum, Chromium, Carbon, Alloys, Scale

(Metallurgy--Ferrous Metals, "T, v. 7, no. 11)

62-10533

- I. Timmerbell, H.
- II. Clas, G.
- III. Mattern, O.
- IV. Verein...

Office of Technical Services

Contribution on the Grain Structure and Annealing
of Side-Blown Converter Steel Castings, by
F. Roll. UNCL

GERMAN, per, Glasgow, 24 Jan 1952, pp 30, 31.

British Iron and Steel Ind
(no number given)

Sci - Engr
Sep 59

98,363

Synthetic Moulding Sand: Method and Value of Its
Application in Iron and Steel Foundries, by H.
Gries, W. Trummer. UNCL.

GERMAN, per, Gieserei, 10 Jul 1952, pp 333-341.

British Iron and Steel Ind
(no number given)

Sci - Min/Met
Sep 59

98,080

Working With Synthetic Mould Sand, by H. Gries,
W. Trummer. UNCL

GERMAN, per, Giesserei, 10 Jul 1952, pp 341-343.

British Iron and Steel Ind
(no number given)

Sci - Min/Met
Sep 59

98,081

Zschintzsch, W.
A FOUNDRY PLANT WITH CHANNEL-LESS LINE-
FREQUENCY INDUCTION CRUCIBLE FURNACES
FOR SMELTING MAGNESIUM ALLOYS (Ein Gles-
sereibetrieb mit Rinnenlosen Netzfrequenz-Induktion-
stiegelöfen zum Schmelzen von Magnesiumlegierungen).
[1963] [27p] (foreign text included) 4refs
Order from SLA \$2.60

TT-64-10789

Trans. of Glesserei (West Germany) 1952, v. 39,
p. 381-387.

(Metallurgy--Light Metals, TT, v. 11, no. 12)

TT-64-10789

L Zschintzsch, W.

Office of Technical Services

The Croning Shell-Molding Process, by F. Polzguter.

GERMAN, per, Die Giesserei, Vol XXXIX, No 19, 1952,
pp 467-472.

Brutcher Tr 3183

Scientific - Minerals/Metals

Nov 53 CTS

Price \$5.60

7279

Büchen, W.
PURIFICATION OF ALUMINUM MELTS WITH
CHLORINE GAS IN THE FOUNDRY. [1963] 22p.
(figs. omitted, 23 refs.
Order from SCLA \$2.60

63-14150

Trans. of Giesserei (West Germany) 1952, v. 39,
no. 19, p. 491-498.

DESCRIPTORS: Foundries, *Gases, *Chlorine,
Melting, *Aluminum, Purification, Casting, Safety,
Refineries.

After introductory characterization of the purpose of
the work, the specific details of a use of chlorine gas
were discussed in connection with the presentation of
the necessity for a refining of aluminum melts for
high grade casting, and the primary reactions taking
place in it, which lead to aluminum and magnesium
(Engineering--Chemical, TT, v. 10, no. 3) (over)

63-14150

I. Büchen, W.

Office of Technical Services

New Experiences with Die-Cast Mold Steels,
by H. M. Hiller, 36pp.
GERMAN, per, Giesserei, Vol 40, No 1, 1953,
pp 16-24.
CFSTI TT-64-18929.

322,671

Sci - Metallurgy
Apr 67

Physico-Chemical Principles Of the Technique In the
Pouring of Steel, by W. Trommer, 6 pp.
UNCLASSIFIED

GERMAN, per, Gieseler, Vol XL, No 3, 5 Feb 1953,
pp 69-75.

Navy Tr 920/NRL 460

Scientific - Min/Metals

Dec 53 CTS/DEX

8638

Practical Experiences With Spheroidal Graphite Cast
Iron, by H. Gries

GERMAN, per, Giesserei, Vol XL, No 4, 1953, pp
93-103.

Brutcher Tr 3174

Scientific - Minerals/Metals
CTS/DEX Price \$7.40

9284