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HB 5119

Sci - Engr

Jul 61

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REF 2594

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Apr 62

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Int 123

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AEC Tr 4524

Sci - Min/Met
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HB 4871

Sci - Engr

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Ni-Al-Cr, by A. S. Tumarev, et al. *11 pp*
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sci/mat
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BISI 2084

Sci - Engr

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JPRS 2422

Sci - Min/Met
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OTS 60-11454

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Theory and Practice of Deoxidation of Steel,
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HB 4855

Sci - Min/Met

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61-20197

Lipetko, V. M. and Umrikhin, P. V.
ON THE QUESTION OF INTENSIFICATION OF THE
STEEL REFINING PROCESSES BY MEANS OF IN-
JECTION OF POLYMERIZED SLAGGY MATERIALS
INTO THE BATH OF THE OPEN HEARTH
FURNACE. [1961] [20]p. 7 refs.
Order from OTS or SLA \$1.60

I. Lipetko, V. M.
II. Umrikhin, P. V.

61-20197

Trans. of Izvestiya Vysishikh Uchebnykh Zavedenii.
Chernaya Metallurgiya (USSR) 1959, no. 10, p. 29-41.
Soviet Trans. available from LC or SLA int \$2.70.
pages 60 in 61-10752 [1961] [21]p.

DISCRIPTORS: Materials, *Steel, Processing, *Slags,
*Open hearth furnaces, Refineries, Injection,
operation.

A portion of the materials entering in the steel re-
fining equipment for forming slag, is injected directly
in the liquid bath by means of a special (changing
(Metallurgy--Ferrous Metals, TT, v. 6, no. 12)(over)

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Effect of Remelting in an Arc Vacuum Furnace on the
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ATIC MCL 678

Sci - Min/Met

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W41167

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The Design of the Pilger Roll Profile for Achieving
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Chernyavskiy.

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BISI 2004

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The effect of steel quality on the manner of
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BISI 2207

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Method of Studying the Chemical Heterogeneity of
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HB 4835

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New Methods of Sulphur Removal From Pig Iron
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BIBI 1989

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HB 5041

Sci - Min/Met

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On the Melting Loss of Elements in Cupola Operation,
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Reduction in Primary Slag Formation in Blast-
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Possible Ways of Accelerating the Deoxidation of
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Ageyev.

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HB 4859

Sci - Chem

Oct 60

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New Compound in the Rhenium-Zirconium System
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Metallurg, No 1, 1960, pp 12-15.

AEC Tr-4391

Sci - Min/Met
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Etude des facteurs de l'oxydation du carbone dans le
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^{to French}
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CBS I.T.3523

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Резюме. Докл. из Высшего Ученого Совета. Черн. Металл,
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*CFSTI TT 70-59091

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June 70

Corrosion Resistance of Austenitic Steels, Worked
at Subzero Temperatures, by N. N. Lyulicheva,
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No 2, 1960, pp 78-80.

HB 4843

Sci - Min-met

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CDS I.T.3462

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BB 5132

Sci - Min/Mat

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Surface Impregnation of Steel With Titanium in
Molten Salts, by A. N. Minkevich, A. Gvozdev.

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HB 4842

Sci - Min/Met

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Investigation of Gas Movement in a Restricted
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BISI 2078

Sci - Phys

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AEC Tr-4441

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ATIC MEL-692/1

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AEC NP-20-509

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Hardened Compounds NiAl and CoAl, by Ye. I.
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HB 4841

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Sci - Chem

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BISI 2003

AKA 61-23715

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HB 5036

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HB 5037

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Influence of Blast Temperature, Intensifiers, and
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HB 5035

Sci - Engr

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HD 5040

Sci - Min/Met
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HB 5081

Sci - Min/Met

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HB 4882

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S-565/60

(DC-4192)

Investigation of Metal Flow During Upsetting With
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JPRS 3924

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Structural Transformations in Plain Carbon Steels
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HB 4901

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HB 4900

Sci - Chem

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Sci - Min/Metals

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The Investigation of Binary and Ternary
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NR 5602 203, 441

Sci - M/M
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*BISI 2249

Sci - Min/Metals

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HB 5042

Sci - Min/Met

Apr 61

144,988

Quantity of Oxide Inclusion in Killed [Low-Carbon]
Steel as Function of Way Aluminum Is Introduced for
Deoxidation, by S. F. Karp.

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BB 4927

Sci - Min/Met

Apr 61

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Heat Extraction in the Secondary Cooling Zone
During Continuous Casting of Steel, by A. D.
Akimenko, A. A. Skvortsov.

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HB 4931

Sci - Min/Met

Jul 61

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BB 4926

Sci - Min/Metals

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Aug 61

Combined Heat and Ultrasonic Treatment of
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HB 4928

Sci - Min/Met
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SLA 61-13896

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The Dependence of the Recrystallization Temperature of Chrome-Base Binary Alloys on the Alloying Process, b S. S. Gorelik, N. N. Miller.

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Sci - W/M
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EFFECT OF SECONDARY QUENCHING ON THE
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BY I. S. BELYATSKAYA, B. G. LIVSHITS,

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NLL M.3493

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JUN 62

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Gas Corrosion

~~Vapour Plating of Steel With Boron~~, by M. A.
Pchelkina, Yu. M. Lakhtin.

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Sci - Min/Met

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Diffusional Oxide Coatings

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HB 4930

Sci - Min/Met

Nov 60

The Surface Properties of Iron-Carbon Alloys, by
B. V. Tsarevskiy, B. I. Popel'. 10pp

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pp 15-21. 9216580

NASA TT F-149
OTS TT-64-11501

Sci-M/M
Jan 64

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NLL Ref: 48319 1963 (149) (Low)

Relationships Underlying

~~Law Governing~~ the Pressure of the Blast-Furnace ~~Stock~~
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No 81

HB 5018

Sci - Engr

Jan 61

A New Technology in the Melting of Ball-Bearing
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BISI 2136

Sci - Min/Met

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The Ideal Shape for a Piercing Mill Plug, by
V. V. Shveikin.

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BISI 2785

Sci - Engr

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The Heating of Large Ingots in Regenerative Soaking
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BIBI 2391

Sci - Engr

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list 110

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VISCOSITY OF CAST IRON (Vliyanie Modifitsirovaniya
na Vyzkost' Chuguna). [1963] [9p] (foreign text in-
cluded) 10refs

Order from OTS, SLA, or ETC \$1.10 TT-64-10563

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii...
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DESCRIPTORS: *Iron, Casting, *Iron alloys, *Silicon
alloys, *Viscosity, Metallurgy, Nucleation, Cast iron.

(Metallurgy--Ferrous Metals, TT, v. 11, no. 8)

TT-64-10563

I. Turovskii, B. M.
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The Titanium-Hydrogen System, by S. P. Gvozdev.

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Sci -
Jul 63

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Sci - Min/Met

Jul 61

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Characteristics of the Pressing of Molten Steel Under
High Pressure, by P. N. Bidulya, K. N. Smirnova.

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FAHREN DER PLASTIZITÄTSTHEORIE (Investigation
of Tooling Methods for Metals by Pressure According
to the Plasticity Theory).
Order from TIB \$3.35

Trans. in German of Izvestiya Vysshikh Uchebnykh
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DESCRIPTORS: *Metals, Pressure, *Plasticity,
*Theory

(Metallurgy, TT, v. 9, no. 11)

62-27307

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Study of Reversible [High-Temperature] Temper
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Force Method, by E. V. Panchenko, E. M. Strug.

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HB 5065

Sci - Min/Met

Jun 61

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Mechanical Properties of Steel Improved by
Combined Heat and Ultrasonic Treatment, by E. A.
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HB 5068

Sci - Min/Metals

Sep 61

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Effect of Phosphorus and Boron Upon the Reversible
[High-Temperature] Temper Brittleness of Low-Carbon
Nickel Steels, by L. S. Lyakhovich, T. S. Shilkova.

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HB 5066

Sci - Chem

Apr 61

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An Investigation of the Internal Design of the
Melting Chamber of a Ferro-Silicon Furnace,
by I. T. Zherdev.
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BIBI 5000

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Flow Effects in the Blast-Furnace Bosh,
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Chern Metall, No 10, 1960, pp 40-45.

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Sci - Engr
May 62

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Diffusion of Hydrogen in Semifinished Steel, by S. Ya.
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HB 5139

Sci

Aug 61

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