

Effect of Nitrogen Upon Surface Tension  
and Crystallization of Austenitic Steels,  
by N. S. Kreshchanskiy, *et al.*

RUSSIAN, per, Lit Proiz, Vol V, No 1, 1954,  
pp 23, 24.

Brutcher Tr  
No 3372

82.75

Scientific - Minerals/Metals CTS/DEK

19,510

Annealing of Malleable Iron Checked by the  
Magnetic Properties, by K. P. Zhadnov,

RUSSIAN, per, Sov Lit Expts, Vol V, 1954,  
No 1, 1954, pp 28-30.

23,162

Butcher Tr No 3983  
\$1.85

Scientific - Min/Metals

Apr  
May 55 CTE

Melting of Unbriquetted Fine Metal Scrap in the  
Cupola, by Yu. S. Sukharchuk, M./P. Nikolaichik.

RUSSIAN, per, Liteinoe Proizvodstvo, Vol V, No 1,  
1954, pp 30, 31.

Bratcher Tr No 3384

Scientific - Min/Metals

14, 715

Dec 54 CTS/DEX

\$4.60

Lit Proiz, #1, 1954      B D 144

Use of Oxygen in the Melting of Low Carbon  
Superheated Cast Iron, by V. A. Fuklev.

RUSSIAN, per, Litainoe Proizvodstvo, Vol V,  
No 2, 1954, pp 1-3.

Brutcher Tr  
No 3364

Scientific - Min/Metals      Jan 55 CTS/DEX

20,887

On the Formation of Hot Tears, by V. G. Lyuttsau,

RUSSIAN,  
SERIEN, per, Lit Proiz, Vol V, No 2, 1954,  
pp 16-18.

Brutcher Tr No 3374

Scientific - Min/Metals

13,726

62-12151

Stark, V. B. and Nekrasov, N. K.  
THE EFFECT OF MODIFICATION OF CAST IRON  
BY ADDITIONS OF 73% FERRO-SILICON ON ITS  
GRAPHITIZATION. [1961] 9p.  
Order from ATS

ATS-08N56R

Trans. of Liteinoe Proizvodstvo (USSR) 1954, no. 4,  
p. 18-22.

DESCRIPTORS: \*Cast iron, Processing, Graphite com-  
pounds, Silicon compounds.

RJ-3346

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

- I. Stark, V. B.
- II. Nekrasov, N. K.
- III. ATS-08N56R
- IV. Associated Technical  
Services, Inc.,  
East Orange, N. J.

Office of Technical Services

The Influence of Boron on the Properties of Cast  
Austenitic Chrome-Nickel Steel of the Type X15 H25,  
by N. S. Kreshchanovskiy et al.

RUSSIAN, per, Lit Prois, No 5, 1954, pp 16-19.

Co-Op Trans Sch Tr 331  
£1.12s.

Sci - Min/mat  
Jul 57

HB 4458

49,173



Casting of Steel Shot, by F. T. Efimov, et al,

RUSSIAN, per, Lit Proiz, Vol V, No 6, 1954,  
pp 1-3.

27,829

Brutcher Tr 3452

Scientific - Min/Metals

Oct 55 CES

Effect of Surface Defects on the Fatigue Strength  
of Magnesium-Treated Cast Iron Crankshafts, by  
I. V. Kudryavtzev, N. A. Balabanov.

RUSSIAN, per, Lit. Proiz, No 6, 1954, pp 18-20.

Sci Mus Lib Tr 57/0124  
Co-Op Trans Sch Tr 121

Sci - Min/met  
Jul 57

49,875

Coatings for Patterns, by D. G. Saitsev,

RUSSIAN, per, Lit Profil, No 6, 1954, p 31.

26,767

Co-op Tr Sch Tr 133  
8s.Od.(1s.Od.)

Scientific - Chemistry

Sep 55 CTS

Oscillographic Method of Measuring the Rate of  
Motion of a Metal in a Casting Mold, by ~~S.T.I.~~ T.I.,  
Orlova, 9 pp. UNCL

RUSSIAN, per, Lite Proiz, No 7, 1954, pp 25-27.  
9660821

SLA 61-19429  
ATTC F-18-0045/III  
AEC NP-587

Sci - Phys, Min/Met

Fe  
Apr 61

149,444

(FDD 25977)

Wear Resistance of Tractor and Internal Combustion Engine  
Parts From High-Quality Cast Irons, by B. N. Seredanko,  
18 pp.

RUSSIAN, bimo per, Litaynoye Proizvodstvo, No 8, Moscow,  
Nov 1954, pp 3-6.

CIA/FDD/U- $\beta$  7770

USSR  
Sci - Minerals/Metals

31,612

Jan 56 CTS

(FDD 25978)

Seasonal Gas ~~XXX~~ Porosity of Aluminum-Silicon Alloy  
Castings, by A. A. Gorshkov, S. V. Vargin, 13 pp.

RUSSIAN, bimo per, Leteynoye Proizvodstvo, No 8,  
Moscow, Nov 1954, pp 14-16.

*Sci Trans Sch 151*

CIA/FDD/U-7771

USSR

Sci - Minerals/Metals

*31,613*

Coop Trans Sch 151

Jan 56 CTS

(FDD 25979)

Review of B. M. Ksenofontov's Book: "Casting by the  
Method of Vacuum Suction," by L. M. Pevzner, 5 pp.

RUSSIAN, bino per, Litynoye Proizvodstvo, No 8; Moscow,  
Nov 1954, pp 31-32.

CIA/FDD/U-TTT2

USSR  
Sci - Minerals/Metals

31, 611

Jan 56 CTS

<p>Gorbachev, I. V. M. A. KRISHTAL'S EQUATION (Ob Zhaveneni: M. A. Khristala). Jan 61 (15)p. 6 refs. RTS 1552. Order from LC or SLA mi\$2.40, ph\$3.30 61-1576</p> <p>Trans. of <del>Liternoye Proizvodstvo</del> (USSR) 1955, no. 2, p. 17-20.</p> <p>An examination is made of an equation derived by Krishtal (Liternoye Proizvodstvo 1953: no. 6, 22-24; available in translation from SLA as RT-3356) for the analysis of graphitization. The examination enables the cases to be determined for which the theory of K. P. Bunin is valid. (See also HB-4276 or 59-12274)</p> <p>(Metallurgy--Ferrous Metals, TT, v. 3, no. 11)</p>	<p>61-1570</p> <ol style="list-style-type: none"><li>1. Carbon--Diffusion</li><li>2. Steel--Phase studies</li><li>3. Title: Krishtal's equation</li></ol> <ol style="list-style-type: none"><li>I. Gorbachev, I. V.</li><li>II. RTS-1552</li><li>III. Department of Scientific and Industrial Research (G. Brit.)</li></ol> <p>160948</p> <p>Office of Technical Services</p>
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Nitriding Magnesium Cast Iron, by V. D. Yakhina,

4 pp.

RUSSIAN, per, Lit Prois, No 4. 1955, pp 23-25.

26, 773

Sci Mus Sub 57/1298

Coop Tr Sch Tr 142  
L1.4s. (3s.0d.)

BGIRA/TR/63/10;no543

Scientific - Min/Metals

Sep 55 CTS

Feeding Steel Castings Productd by the Lost Wax  
Process, by Khenkin.

RUSSIAN, per, Liteince Proiz, No 5, 1955, pp  
1-7.

Co-op Tr Sch Tr 602

Sci - Engr  
Jan 58

57,731

Cast Copper Anti-Friction Steel, by A. A. Lunev.

RUSSIAN, per, Lit Proiz, No 5, 1955, pp 15-18.

Navy Tr 1302/BuShips 599

32,855

Sci -- Minerals/metals

V  
Special Aspects of the Production of Heat-Resistant  
Castings, by V. P. Desnitskiy.

RUSSIAN, no per, Litainoe Proizvodstvo, No 6, 1955,  
pp 1-4.

SWA  
R-2596

Coop Trans Scheme Tr 175  
12s.0d. (3s.0d.)

Sci - Minerals/Metals, Engineering

Jul 1956

36,405  
see memo  
57/3487

Die-Casting of Copper Alloys, by V. M.  
Plyatskiy.

RUSSIAN, per, Litainoe Proizvodstvo, Vol IX,  
1955, pp 4-7.

T.I.L. T.4654

Sci - Minerals/Metals

34,543

May 1956

Behavior of Hydrogen in Metals Under the Influence  
of Direct Current, by D. P. Lovtsov.

RUSSIAN, per, Litainoe Proizvodstvo, No 9, 1955,  
pp 15-19.

Brutcher Tr 8693

Sci - Chemistry, Minerals/Metals

35,509

Jun 1956

- Dimensions of Detritus as Index of Extent of  
Wear of Metal Surfaces, by V. B. Lyudskiy,

RUSSIAN, no per, Lit Proiz, No 10, 1955, pp 10-13.

Co-Op Trans Sch Tr 242  
12s.0d. (4s.0d.)

Sci - Min/metals

42,693

A Contribution of the Theory of Antifriction  
Property of Wrought Iron, by Ya. G. Lifshits.

RUSSIAN, no per, Lit Prois, No 10, 1955, pp 22-23.

Co-Op Trans Sch Tr 241  
6s.0d. (2s.0d.)

Sci - Min/metals

#2, 274



62-29269

Silaev, A.  
BALANCE DE LA SESION CIENTIFICO-TECNICA  
PARA MEJORAR LA CALIDAD DEL ACERO COLADO  
(Itogi Nauchno-Tekhnicheskoi Sessii po Uluchsheniyu  
Kachestva Stal'nykh Otlivok) (Balance of the Scientific-  
Technical Session Held on the Quality of Wrought  
Steel). 11p. CID: 62-269.  
Order from OTS, ETC or CID \$0.80      62-29269

I. Silaev, A.  
II. CID-62-269  
III. Centro de Informacion  
y Documentacion,  
Madrid (Spain)

Trans. in Spanish of Litainoe Proizvodstvo (USSR) 1955,  
no. 10, p. 31-32.

DESCRIPTORS: \*Steel, Iron.

(Metallurgy--Ferrous Metals, TT, v. 10, no. 8)

Office of Technical Services

Chemical (Carbon Dioxide) Hardening of Foundry  
Cores, by I. B. Semenchenko.

RUSSIAN, per, Litaince Proisvodstvo, No 12,  
1955, pp 1-2.

34047

Brutober Tr  
No 3692 ASLIB-GB7

Scientific - Chemistry \$3.60  
May 56 CTS/DEX

Effect of Vacuum Melting on the Growth of Gray  
Cast Iron, by F. N. Tavazze, I. A. Bairamashvili.

RUSSIAN, per, Liteinoe Proizvodstvo, No 12, Dec  
1955, pp 23.

Brutcher Tr 4038  
\$2.40

Sci - Min/Met

Jan 58

57,379

An Investigation of Inclusions in Ingots by Means  
of Isotopes, by B. B. Gulyayev, et al.

RUSSIAN, per, Lit Proiz. 1956, pp 25-27.

NLL M. 4165

Sci - Min/Metals

Apr 62

194, 213

Cupola With Continuous Slit Tuyeres and Controlled  
Blast, by H. A. Akan'in et al.

RUSSIAN, per, Lit Prois, No 1, 1956, pp 10-12.

Co-Op Trans Sch Tr 335  
£1.4s.

Sci - Engr  
Jul 57

49,178

Making Shell Molds by Chemical Curing, by B. Yu.  
Feigel'son.

RUSSIAN, per, Lit. Proiz., No 2, 1956, pp 3-5.

HB 4114

Sci - Min/Met

Oct 60

62-12163

Turbovskii, M. M.  
THE MECHANISM OF THE LIQUID MODIFICATION  
PROCESS. [1961] 5p.  
Order from ATS \$7.75

ATS-06N56R

Trans. of Liteinoe Proizvodstvo (USSR) 1956, no. 2,  
p. 15-16.

DESCRIPTORS: \*Liquid metals, Processing, Liquids.

RJ-3344

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

- I. Turbovskii, M. M.
- II. ATS-06N56R
- III. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

Dynamics of Casting Hardening, by I. D. Semikin et al.

RUSSIAN, no per, Lit Proiz, No 2, 1956, pp 16-22.

ASHIB  
Co-Op Trans Sch Tr 254  
£1.15s. (7s.0d.)

Sci - Min/metals

44, 464



(SIA 1102)

Confidential Soviet Casting, by M. G. Doychenko, V. J.  
Rosen, 1956.

RESEARCH, no per, lit proxy, FO 3, Moscow, Mar 1956,  
no 1-2.

HB-3790

*Autobio 6-90*  
*etc/FO U-0623*

*53096*

USER

Sec - *1/1/1956*

*Co-op to Schur 283*

*LC*  
*SLA 59-10309*

Analytical Solutions of the Simplest Problems  
Concerning the Solidification of Castings of  
Various Shapes, by N. G. Girshovich, et al.

RUSSIAN, no per, Lit Proiz, ~~295~~ No 3, 1956,  
pp 14-18.

Co-Op Tr Sch Tr 265  
£ 1.10s.

Sci - Min/metals

42,278

Growth of Gray Cast Iron, by F. N. Tavadsø, I. A.  
Bairamashvili

RUSSIAN, per, Lit Prois, No 5, 1956, pp 15-18.

Brutoher No 3815

\$6.40

Sci - Min/Metals  
Jan 57 CTS

42,892

Processes of Forming Metal Under Pressure  
in the Liquid and Plastic State and Their  
Development, by V. N. Flyatskiy. UNCL

RUSSIAN, per, Lit Prois, No 6, 1956, pp 7-11.

*NLI M. 6338.*

**BISI 1384**

**(15. 15n. 02.)**

Sci - Min/Met  
Jun 60

*//7,233*

Crystallization of Liquid Steel Under Pressure, by  
P. N. Bidulya, I. I. Bobrov, K. N. Smirnova.

RUSSIAN, par, Lit Proiz, No 7, 1956, pp 1-4.

SLA 60-16496

Sci

Dec 60

OTS Vol IV, No 4

134,507

Small-Scale Mechanization in the Grey-Iron Foundry,  
by V. A. Grachev.

to GERMAN,  
RUSSIAN, per, Lit Proiz, No 9, 1956, pp 15, 16.

ID-U 697

Institut fuer Dokumentation-  
Übersetzungsnachweis  
Berlin, W.8  
■ Unter den Linden 8

Dec 59

Heat Transfer in Steels, by B. B. Kuprovskiy.  
RUSSIAN, per, Litaynoye Proizvodstvo, Vol 9,  
1956, pp 16-18.  
\*CFSTI TT 70-59118

Sci-  
June 70

Inspection of Castings With Radioisotopes [Gamma Rays], by B. B. Gulyayev, L. G. Demina.

RUSSIAN, per, Litsinse Proizvodstvo, No 9, <sup>e</sup>Sept 1956, pp 18-20.

Brutcher Tr 4078  
\$3.65

Sci - Min/Met

Apr 58

61,432



Rutman, M. M.  
SOLUCION DE SILICATO SODICO COMO MEDIO  
PARA LUCHAR CONTRA LAS CONTRACCIONES DE  
LA FUNDICION DE HIERRO (Zhidkoe Staklo, kak  
Sredstvo Bor'by s Uzhimnami na Chugunnykh Otlivkakh)  
(Utilisation of Sodium Silicate Solution in the Prevention  
of Cast Iron Contractions). 9p. CID: 62-263.  
Order from OTS, ETC or CID \$0.80      62-29263

Trans. in Spanish of Litainoe Proizvodstvo (USSR) 1956,  
no. 10, p. 29-30.

DESCRIPTORS: \*Sodium compounds, \*Silicates,  
\*Iron alloys, Castings.

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

62-29263

I. Rutman, M. M.  
II. CID-62-263  
III. Centro de Información  
y Documentación,  
Madrid (Spain)

Office of Technical Services

<p>Makol, S. A. COQUILLA MULTIPLE CON MECANISMO PARA CORTE DE COLADA (Mnogomestnyi Kokil's Mekha- nizmom dlya Srezaniya Litnikov) (Multiple Chill-mould for Batch Cut-off). 6p. CID: 62-274. Order from OTS, ETC or CID \$0.80      62-29274</p> <p>Trans. in Spanish of <u>Litnoiye Proizvodstvo</u> (USSR) 1956, no. 11, p. 13.</p> <p>DESCRIPTORS: *Molding, Casting.</p> <p>(Metallurgy, TT, v. 10, no. 8)</p>	<p>62-29274</p> <p>I. Makol, S. A. II. CID-62-274 III. Centro de Información y Documentación, Madrid (Spain)</p> <p>Office of Technical Services</p>
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Ryzhikov, A. A.  
SOBRE LA CRITICA DE LOS METODOS DE CALCULO  
DE MAZAROTAS (K Kritika Metodov Rascheta Pribylei)  
(Criticism of Methods Employed in Dead-Head Deter-  
mination). 16p. 15 refs. CID: 62-275.  
Order from OTS, ETC or CID \$0.80      62-29275

Trans. in Spanish of Litetsnoe Proizvodstvo (USSR) 1956,  
no. 11, p. 30-32.

DESCRIPTORS: Determination, \*Castings.

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

62-29275

1. Title: Dead-head deter-  
mination
- I. Ryzhikov, A. A.
- II. CID-62-275
- III. Centro de Información  
y Documentación,  
Madrid (Spain)

Office of Technical Services

Methods of Measuring the Temperatures of Parts Rotating  
at High Speeds, by E. A. Furs.

RUSSIAN, per, Lit Proiz, No 12, 1956, p 19.

Co-op Tr Sch Tr 420

Sci - Physics  
Mar 58

59,348

Study of Desulfurization of Cupola Iron With  
Magnesium [in Ladle], by V. I. Lakomskiy.

RUSSIAN, per, Litsinye Proizvodstvo, No 1, Jan  
1957, pp 9-11.

Henry Brucher

Tr 3946

\$4.85

Sci - Chem

Aug 57

50,706

Pollayuk, E. P.  
SECADO DE MOLDES DE FUNDICION CON RAYOS  
INFRARROJOS (Sushka Litelnykh Form Inftrakrasnyml-  
Luchami) (Infrared Foundry Mold Drying). 6p. CID:  
62-273  
Order from OTS, ETC or CID \$0.80      62-29273

Trans. in Spanish of Litelnoe Proizvodstvo (USSR) 1957,  
no. 2, p. 1.

DESCRIPTORS: \*Infrared radiation, Castings, \*Molding

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

62-29273

I. Pollayuk, E. P.  
II. CID-62-273  
III. Centro de Información  
y Documentación,  
Madrid (Spain)

Office of Technical Services

62-29271

Kantor, M. M., Biryukova, E. V. and others  
ESTUDIO DEL REGIMEN DE RECOCIDO DE PIEZAS  
DE FUNDICION GRIS (Issledovanie Rezhima Otzhiga  
Orlivok iz Serogo Chuguna) (Study of the Annealing  
Rate of Grey-Iron Parts). 12p. CID: 62-271.  
Order from OTS, ETC or CID \$0.80    62-29271

Trans. in Spanish of Litneoe Proizvodstvo (USSR) 1957,  
no. 2, p. 17-18.

DESCRIPTORS: Iron alloys, Castings, Heat treatment.

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

- I. Kantor, M. M.
- II. Biryukova, E. V.
- III. CID-62-271
- IV. Centro de Información  
y Documentación,  
Madrid (Spain)

Office of Technical Services

Korotkov, V. G.  
DESGASIFICACION DE ALEACIONES DE ALUMINIO  
CON CORRIENTE CONTINUA A BAJA PRESION (De-  
gazatsiya Alyuminiyevykh Splavov Postoyanym Tokom  
pri Povolzhennom Davlenii) (Degasification of Aluminum  
Alloys with Low Pressure Direct Current). 15p. 1 ref.  
CID: 62-272.  
Order from OTS, ETC or CID \$0.80      62-29272

Trans. in Spanish of Litainoe Protzvodstvo (USSR) 1957,  
no. 2, p. 20-22.

DESCRIPTORS: \*Aluminum alloys, \*Degasification,  
Direct current, Low pressure research.

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

62-29272

I. Korotkov, V. G.  
II. CID-62-272  
III. Centro de Información  
y Documentación,  
Madrid (Spain)

Office of Technical Services



Formation of Blowholes in Surface of Castings  
of Magnesium-Treated Cast Iron, by A. D.  
Ushakov.

RUSSIAN, per, Lit Proiz, No 3, Mar 1957,  
pp 19-20.

X Bratcher Tr 4291  
\$2.35

*chem*  
Sci - ~~Manufact~~

Sep 58

72,594

<p>Sevost'yanov, N. D. and Devkin, M. M. CONSTRUCCION DE TOBERAS PARA CHORRO DE ARENA (Konstruktziya Peskostruinoogo Sopla) (Sand- blasting Tuyere Construction). 10p. 11 refs. CID: 62-270. Order from OTS, ETC or CID \$0.80      62-29270</p> <p>Trans. in Spanish of <u>Litinoe Proizvodstvo</u> (USSR) 1957, no. 3, p. 27-29.</p> <p>DESCRIPTORS: *Sandblasting, Nozzles, Fuel Injection.</p> <p>(Metallurgy, TT, v. 10, no. 5)</p>	<p>62-29270</p> <p>I. Sevost'yanov, N. D. II. Devkin, M. M. III. CID-62-270 IV. Centro de Información y Documentación, Madrid (Spain)</p> <p>Office of Technical Services</p>
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Lunker und Porosität in Gussstücken, by I. B.  
Kumanin, (unpubl tr).

RUSSIAN to GERMAN, per, Lit Proiz, No 4, 1957,  
pp 18-23; No 7, pp 17-21.

IDU 690  
Institut fuer Dokumentation  
Übersetzungsnachweis  
Berlin, W.8.  
Unter den Linden 8

Apr 60

Nonmetallic Inclusions in Spheroidal Graphite Cast  
Iron, by P. P. Arsent'ev, Yu. Ya. Orlova.

RUSSIAN, per, Liteinoe Proizvodstvo, No 4, April  
1957, pp 23-4.

Brutcher Tr 4096

\$3.60

Sci - Min/Met

Apr 58

61,440

The Influence of Coke Properties on the Process of  
Melting Iron in the Cupola, by A. M. Strukov.  
UNCLASSIFIED

RUSSIAN, per, Lit Prois, Vol 7, 1977, pp 17-20

\*DSIR/TCL 102

Sci. - Min/Met

Co-op Tr Scheme 568

Nov 58

SLA 60-17453

82,028.

Verbesserung der Giesstechnologie von Graugusskolben,  
by P. A. Karkanin. (unpubl tr)

RUSSIAN to GERMAN, per, Lit Proiz, No 5, 1957, pp 12-14.

IDU  
Institut fuer Dokumentation  
Übersetzungsnachweis  
Berlin, W.8  
Unter den Linden 8

Apr 60

Improved Density and Structural Uniformity  
of Castings (By Vibration), by A. A.  
Ryzhikov, et al.

RUSSIAN, per, Lit Proiz, No 5, 1957,  
pp 20-22.

HB 4910

Sci - Engr

Jan 62

178,319

A Complex Method of Investigating Metal Properties,  
by V. P. Chernobrovkin.

RUSSIAN, per, Lit Proiz, No 5, 1957, pp 22-24.

Co-op Tr Sch Tr ~~442~~

Sci - Min/met  
Mar 58

60,174 ✓



Der Einfluss der Gluehtemperatur auf die Form der  
Graphiteinschluesse im Termperguss, by G. I.  
Ivantsov. (unpubl tr)

per  
RUSSIAN to GERMAN, Lit Proiz, No 5, 1957, pp 25-26.

IDU 688  
Institut fuer Dokumentation  
Übersetzungsnachweis  
Berlin, W.8  
Unter den Linden 8

Apr 60

Centrifugal Casting of Double-Flange Cast-Iron  
Pipe, by M. M. Levin, V. H. Kravukhin.

RUSSIAN, per, Litainoe Proizvoctvo, No 6,  
1957, pp 1-4.

EB 4272

Sci + Engr

Nov 59

100,356

The Formation of Burn-On on Steel Castings, by  
B. B. Gulyayev, Yu. F. Borovakiy. URCL

RUSSIAN, per, Lit Proiz, No 6, 1957, pp 5-7.

DSIR LIJ RES 1239

(7a. 6a.)

Sci - Engr  
Dec 59

102,500

The Production of Aluminium-Alloy Cylinder  
Blocks, for Cars by Pressure Die Casting,  
by T. I. Oelova. UNCLASSIFIED

RUSSIAN, per, Lit Prois, No 6, 1957, p 7.

Co-Op Tr Sch  
Tr 668

Sci - Engr  
Sep 58

73, 921

Manufacturing Automobile Cylinder Blocks From  
Pressure Cast Aluminum Alloy, by T. I. Orlova, 4 pp.

RUSSIAN, per, Lit Prois, No 6, 1957, pp 7, 8.  
9660796

ATIC F-TS-9892

Sci - Engr

May 61

150,199

Surface Alloying of Profiled Castings, by A. M.  
Mikhaylov, M. I. Serobryakov, 14 pp.

RUSSIAN, per, Lit Prois, No 6, 1957, pp 18-22.  
9660796

ATIC F-TS-9892

Sci - Engr

May 61

150,198

Verwendung von Zirkonsand im Giessereiwesen, by L. M.  
Marienbakh, L. O. Sokolovskiy. (unpubl tr)

RUSSIAN to GERMAN, per, Lit Proiz, No 7, 1957,  
pp 28-30.

IDU 694  
Institut fuer Dokumentation  
Übersetzungsnachweis  
Berlin, W.8  
Unter den Linden 8

Apr 60

On the Theory and Practice of Centrifugal Casting,  
by B. I. Loshkarev.

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Sci - Engr  
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Sci - Min/Met

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Magnesium Treatment of Low-Sulphur Basic-Cupola  
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Sci - Engr  
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Malinochka, Ya. N.  
PHASE TRANSFORMATIONS AND INTRACRYSTAL-  
LINE LIQUATION IN IRON CARBON SILICON  
ALLOYS (Fazovye Sostoyaniya i Vnutrikristallicheskaya  
Likvatsiya v Fe - C - Si Splavakh). [1961] [13]p.  
(foreign text included) 6 refs.  
Order from OTS or SLA \$1.60      61-18911

Trans. of Litelnoe Proizvodstvo (USSR) 1957, no. 10,  
p. 19-22.

DESCRIPTORS: \*Iron, \*Carbon, \*Silicon, \*Alloys,  
\*Phase transitions, Microstructure, Iron castings,  
Cast iron, Eutectics, Ferrites, Austenite, Graphite,  
Cooling, Pearlite, Crystal structure.

A study of micro and macrostructure of a large number  
of iron castings indicated that the distribution of the  
erritic matrix is not uniform in eutectic and hyper-  
eutectic grey cast irons. Areas rich in ferrite are dis-  
(Metallurgy--Structural, TT, v. 6, no. 10)      (over)

1. Title: Cementite structures  
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187307

Office of Technical Services

Nonmetallic Inclusion in Magnesium-Treated Iron  
/for Rolling-Mill Rolls/, by A. E. Krivosheyev,  
I. E. Lev.

RUSSIAN, per, Litsinoe Proizvodstvo, No 11, 1957,  
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Brutcher Tr 4094  
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Sci - Min/Met, Chem

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Methods of Producing Internal Motion in (Centrifugal)  
Castings During Their Solidification, by S. E. Rozenfel'd,  
et al.

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CDS I.T.3425

Sci

Nov 61

Continuous Casting, by A. N. Myasodov. UNCL

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On the Diffusion of Mg in Fe, by I. L. Mirkin.  
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RUSSIAN, per, Lit Proiz, No 12, 1957, pp 20-21.

BCIRA 925

Sci  
Jun 63

Mechanization of Production Lines for Shell  
Casting, by F. I. Smirnov, M. M. Budylin.

RUSSIAN, per, Lit Proiz, No 1, 1958, pp ~~4~~-7.  
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Sci  
Sep 61

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The Use of Vibration During Solidification for  
the Elimination of Hot Shrinkage Cracks,  
by I. I. Novikov, G. A. Korol'kov, A. E. Semenov.  
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HB 14753

Aluminium Lab, Ltd.

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OTIA Tr 32

Sci - Engr

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Mechanical Properties of Die-Pressed Cast Irons,  
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Vaschenko, K. I. and Golovan, N. A.  
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Order from MT 4 10s                      MT Trans-30

Trans. of Litinoe Proizvodstvo (USSR) 1958, no. 3,  
p. 16-20.

DESCRIPTORS: \*Iron, Steel, Microstructure.

BCIRA 923

(Metallurgy--Ferrous Metals, TT, v. 6, no. 6)

61-22783

- I. Vaschenko, K. I.
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- III. MT Trans-30
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(Gt. Brit.)

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Office of Technical Services

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Lyong, Chou Yao-huo.

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Casting Iron In Aluminum Alloy Mold Casting,  
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Sci - Min/Met, Engr

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