

39748

S/148/62/000/006/001/005
E071/E435

11500

AUTHORS: Vishnyakov, A.V., Danilov, P.M., Meteleva, G.G.,
Borodulin, A.I., Tkachev, I.S., Plekhanov, P.S.

TITLE: Casting of 7 ton ingots of killed steels with closed
shrinkage cavity

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Chernaya
metallurgiya, no.6, 1962, 32-38

TEXT: The possibility of teeming 7 ton ingots with a closed
shrinkage cavity which is sufficiently clean as regards non-metallic
inclusions and segregations to become welded together on rolling
was demonstrated. For insulating the closed shrinkage cavity
from air, a skin of 3 to 5 mm thick would be sufficient but for the
fact that on reheating the ingot such thin skin can melt and,
therefore, the thickness of an insulating layer of 20 to 100 mm is
desirable. The principle of the method is to form a bridge in the
shrinkage cavity soon after teeming. This bridge will divide the
shrinkage cavity into closed and open parts. The closed part will
Card 1/2

Casting of 7 ton ingots ...

S/148/62/000/006/001/005
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weld together during rolling so that only the open part of the cavity has to be cut off. Altogether five modifications of teeming practice were tested (described in some detail and illustrated). Depending on the teeming practice, the size of the cut off end varied from 3 to 7%. Subsequent testing of the vertical cross-section of an ingot with closed shrinkage cavity for the segregation of carbon, phosphorus and sulphur showed that the degree of segregation was small and did not exceed the degree of segregation encountered in normal ingots. There are 4 figures.

ASSOCIATION: Sibirskiy metallurgicheskiy institut i Kuznetskiy metallurgicheskiy kombinat (Siberian Metallurgical Institute and Kuznetsk Metallurgical Combine)

SUBMITTED: May 20, 1961

VISHNYAKOV, A.V.; DANILOV, P.M.; METELEVA, G.G.; BORODULIN, A.I.;
TKACHEV, I.S.; PLEKHANOV, P.S.

Fusion of closed shrinkage cavities in killed steel ingots.
Izv. vys. ucheb. zav.; Chern. met. 5 no.8:44-52 '62.

(MIRA 15:9)

1. Sibirskiy metallurgicheskiy institut i Kuznetskiy metallurgicheskiy kombinat.

(Steel ingots—Defects)

BUTALOV, V.A.; SOKOLOV, A.N., kandidat tekhnicheskikh nauk, retsenzent;
TKACHEV, K.I., inzhener, redaktor; PETERSON, M.M., tekhnicheskiy
redaktor

[Substitutes for metals and alloys in short supply] Zameniteli
defitsitnykh metallov i splavov. Izd. 2-e, dop. i perer. Moskva,
Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1955. 236 p.
[Microfilm] (MLRA 8:3)
(Metals, Substitutes for)

S/128/60/000/008/005/014
A105/A029AUTHOR: Tkachev, K.I.TITLE: The Slag Protection of Copper Alloys ✓

PERIODICAL: Liteynoye proizvodstvo, 1960, No. 8, pp. 10 - 13

TEXT: The slag cover on melted copper alloys protects from gas absorption and waste. Descriptions of the binary $MnO \cdot SiO_2$ and the ternary $MnO - SiO_2 - Al_2O_3$ system are given. Exact data on slag complexes, their chemical formulas and compositions, the charge composition, the acid index and the temperature of the slag formation are given. The waste percentage of copper, zinc, lead and tin in smeltings with and without a dross cover are shown in Table 2. The evaluation of the qualities of alloys made by macroanalysis on stepped samples, the mechanic and microanalysis of test pieces, the determination of the specific gravity and the chemical analysis have confirmed the high efficiency of the slag protection of copper alloys. The properties of copper alloys produced under slag protection and without it during the melting process are compared. This comparison shows that the waste of the metal components is much smaller under the slag protection. There are 2 tables and 1 figure.

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The Slag Protection of Copper Alloys

S/128/60/000/008/005/014
A105/A029

Table 2

Elements	Waste in %			
	in smeltings without protection		in smeltings under protection	
	based on charge weight	based on content of given element	based on charge weight	based on content of given element
Cu	0.95	1.13	0.15	0.18
Zn	1.60	21.90	1.14	8.40
Pb	0.21	4.80	0.14	3.00
Sn	0.11	4.00	0.09	3.00

Card 2/2

TKACHEV, K.I.

Slag protection of copper-base alloys. Lit. proizv. no. 8:10-13
Ag '60. (MIRA 14:2)
(Copper alloys) (Nonferrous metals—Founding)

TRACHEV, K. I.

14

PHASE I BOOK EXPLOITATION

SOV/5648

Sokolov, Aleksey Nikolayevich, ed.

Mekhanizatsiya i peredovaya tekhnologiya liteynogo proizvodstva
(Mechanization and Advanced Processing in Foundries) [Leningrad]
Lenizdat, 1961. 236 p. 2,000 copies printed.

Ed.: Ye. V. Yemel'yanova; Tech. Ed.: I. M. Tikhonova.

PURPOSE: This collection of articles is intended for technical personnel, foremen, and skilled workmen of foundries. It may also be of use to staff members engaged in the mechanization of production operations.

COVERAGE: The collection contains articles discussing the experience of a number of Leningrad plants and engineering and design organizations in mechanizing foundry processes and in applying advanced techniques to the manufacture of castings. No personalities are mentioned. Some

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Mechanization and Advanced (Cont.)

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articles are accompanied by references. References are all Soviet.

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Mechanization and Advanced (Cont.)

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Kononov, M. N. Patterns With an Epoxy-Resin Base

229

AVAILABLE: Library of Congress (TS233. S55)

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VK/wrc/bc
11-15-61

TKACHEV, K. I.

25(1)

PHASE I BOOK EXPLOITATION

SOV/1933

Nikiforov, Vikentiy Markianovich, Georgiy Ivanovich Pogodin-Alekseyev, Doctor of Technical Sciences, Professor, Vasiliy Alekseyevich Proskuryakov, Vladimir Aleksandrovich Proskuryakov, and Konstantin Ivanovich Tkachev

Tekhnologiya vazhneyshikh otrasley promyshlennosti. Ch. I: Metallurgiya i metallovedeniye; uchebnoye posobiye dlya vysshikh partiynykh shkol (Technology of the Most Important Industries. Pt. 1: Metallurgy and the Science of Metals; a Textbook for Higher Party Schools) Moscow, Izd-vo VPSH i AON pri TsK KPSS, 1959. 271 p. Errata slip inserted. 25,000 copies printed.

Sponsoring Agency: Kommunisticheskaya partiya Sovetskogo Soyuza. Tsentral'nyi komitet. Vysshaya partiynaya shkola. Kafedra promyshlennogo proizvodstva i stroitel'stva.

Ed. (Title page): G. I. Pogodina-Alekseyeva, Doctor of Technical Sciences, Professor; Eds. (Inside book): S. Ya. Golovin, and D. O. Slavin; Tech. Ed.: K. M. Naumov.

Card 1/7

Technology of the Most Important (Cont.)

SOV/1933

PURPOSE: This book is intended to serve as a manual in higher Party schools, and may also be used by general readers interested in widening their knowledge of the given branch of industry.

COVERAGE: This manual was written in accordance with the curriculum of the four-year course entitled "Technology of the Most Important Branches of Industry" given at higher Party schools. The book is divided into two parts: "Metallurgy and Mining of Raw Materials and Fuels" and "Physical Metallurgy and Heat Treatment of Metals." The authors present the fundamentals of the mining and exploitation of the basic raw materials and fuels and the basic principles of metallurgy. There are numerous diagrams and illustrations explaining the basic underground and open pit mining methods. Cross-sections of oil wells show the principles of oil production. The authors trace the flow in the metallurgical industry from the smelting of ores to the final heat treatment of the metals. Special features in producing nonferrous metals and the most commonly used alloys are explained. Problems of corrosion and corrosion prevention are discussed. In the introduction the authors give a brief outline of the new Seven-Year Plan 1959-1965, mentioning the production targets in metallurgy for those years and the new establishments under construction. No references are listed.

Card 2/7

Technology of the Most Important (Cont.)

SOV/1933

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264

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AVAILABLE: Library of Congress

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GO/fal
8-5-59

NIKIFOROV, Vikentiy Markianovich, inzh.; POGODIN-ALEKSEYEV, Georgiy Ivanovich, prof., doktor tekhn.nauk; PROSKURYAKOV, Vasiliy Alekseyevich, dotsent; PROSKURYAKOV, Vladimir Aleksandrovich, dotsent; TKACHEV, Konstantin Ivanovich, dotsent; GOLOVIN, S.Ya., red.; SLAVIN, D.O., red.; NAUMOV, K.M., tekhn.red.

[Technology of the most important branches of industry] Tekhnologiya vazhneishikh otraslei promyshlennosti. Moskva, Izd-vo VPSH i AON pri TsK KPSS. Pt.1 [Metallurgy and metallography; textbook for students in advanced party schools] Metallurgiya i metallovedenie; uchebnoe posobie dlia vysshikh partiinykh shkol. 1959. 271 p.
(Metals) (MIRA 12:4)

TKACHEV, K.I.; CHIZHIKOVA, L.V.; SARAYLOV, M.G.; KRIMER, F.P.; LEBEDEV,
K.P., inzhener, retsenzent; BARANOV, I.A., inzhener, redaktor;
LEYKINA, T.L., redaktor; POL'SKAYA, R.G., tekhnicheskiy redaktor.

[Improving the technology of casting fixtures] Usovershenstvovanie
tekhnologii otlivki detalei armatury. Moskva, Gos.nauchno-tekhn.
izd-vo mashinostroit.lit-ry, 1955. 154 p. (MLRA 8:11)
(Founding)

TKACHEV, K.I. (Качев)

KOVVI, K.G.; PLYATSKIY, V.M.; TKACHEV, K.I., inzhener, retsenzent; BELOUSOV, N.B., kandidat tekhnicheskikh nauk, redaktor.

[Preventing flaws in castings from non-ferrous alloys] Preduprezhdenie porokov v otlivkakh iz tsvetnykh splavov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1953. 122 p. (MLRA 7:4)
(Founding)

MITROPOL'SKIY, B.I.; PLYATSKIY, V.M.; TRACHNEV, E.I.

Die casting is an important potential in the manufacture of
textile machinery. Izv. vys. ucheb. zav.; tekhn. tekst. prom.
no.4:151-155 '64. (MIKE 17:17)

1. Leningradskiy institut tekstil'noy i legkoy promyshlennosti
im. S.M. Kirova.

L 13031-66 EWT(m)/EWP(t)/EWP(b)/EWA(h) IJP(c) JD

ACC NR: AP5028723

SOURCE CODE: UR/0363/65/001/011/1933/1937

AUTHOR: ^{44,55} Plyshevskiy, Yu. S.; ^{44,55} Smirnova, G. M.; ^{44,55} Tkachev, K. V.; ^{44,55} Leont'yeva, I. A.

ORG: ^{44,55} Ural Scientific Research Chemical Institute, Sverdlovsk (Ural'skiy nauchno-issledovatel'skiy khimicheskiy institut)

TITLE: Preparation and certain properties of lead borate ^{11 44,55}

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 11, 1955, 1933-1937 ²⁷ ^{67 B}

TOPIC TAGS: boron compound, lead compound, borate, chemical reaction, solid physical property, chemical composition, endothermic effect, exothermic effect

ABSTRACT: Lead borate $4PbO \cdot 5B_2O_3 \cdot 2.5H_2O$ was prepared by reacting lead monoxide with a 10% solution of B_2O_3 in H_3BO_3 . The effect of B_2O_3 concentration, temperature, and duration of the reaction on the composition of the product was studied. Lead borate was found to be practically insoluble in water; excess boric anhydride present in the lead borate obtained is washed out in water. Heating curves of lead borate were plotted, and the endothermic effects and one exothermic effect (a solid-state phase transition) are discussed. Heat capacity and thermal conductivity were determined at 100, 200, 300, and 350°C. Orig. art. has: 3 figures, 2 tables.

SUB CODE: 07/ SUBM DATE: 07Jan65/ ORIG REF: 003/ OTH REF: 003

UDC: 546.817'273

¹¹⁰
Card 1/1

TKACHEV, L.G.

Degree of nonconservation of parity in θ - and τ -decays.
Izv.vys.ucheb.zav.; fiz. 8 no.3:158-159, '65. (1965)

1. Saratovskiy gosudarstvennyy universitet imeni N.G.Shcheryshevskogo.

SECRET

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CITED SOURCE: [Illegible]

SECRET

SECRET

ingots, the electron apparatus should have beams with a power of 300-500 kilo-

Card 2/2

SOURCE CODE: UR/0275/66/000/005/V002/V002

AUTHOR: Smelyanskiy, M. Ya.; Tkachev, L. G.

TITLE: Review of research works on electron-beam melters conducted at the Department of Electrothermal Outfits, MEI

SOURCE: Ref. zh. Elektronika i yeye primeneniye, Abs. 5V10

REF SOURCE: Elektrotermiya. Nauchno-tekhn. sb., vyp. 46, 1965, 22-25

TOPIC TAGS: electron beam melting, electron gun

ABSTRACT: Since 1959, a number of researches on electron-boam heating have been carried out at the Department of Electrothermal Outfits, MEI. These results are reported: (1) Methods have been developed and apparatae constructed for investigating high-power electron-optical systems; (2) Several electron guns from 75 to 500 kw were developed; (3) Technological characteristics of the electron melting outfit have been thoroughly investigated; (4) The power balance in the electron melting outfit has been investigated which has permitted developing methods for finding the outfit parameters; (5) Specifications for the power supply sources for high-power electron guns have been studied and formulated. P. B. [Translation of abstract]

SUB CODE: 09, 13

Card 1/1

UDC: 621.38:62 (general)

SMELYANSKIY, M.Ya., kand.tekhn.nauk; TKACHEV, L.G., inzh.

Development and prospects of using electronic smelting
systems. Vest. elektroprom. 34 no.2:32-35 F '63. (MIRA 16:2)
(Smelting)

TKACHEV, L.G

PHASE I BOOK EXPLOITATION

SOV/6343

Smelyanskiy, Matvey Yakovlevich, Vladimir Arkad'yevich Boyarshinov, Kirill Davidovich Gutterman, Leonid Grigor'yevich Tkachev, and Vsevolod Petrovich Tsishevskiy

Dugovyye vakuumnyye pechi i elektronnyye plavil'nyye ustanovki (Vacuum Arc Furnaces and Electron-Beam Melting Units) Moscow, Metallurgizdat, 1962. 210 p. Errata slip inserted. 2400 copies printed.

Ed. of Publishing House: M. L. Yezdokova; Tech. Ed.: P. G. Islent'yeva.

PURPOSE: This book is intended for engineering personnel of electro-metallurgical plants in ferrous and nonferrous branches of the metallurgical industry and machine building. It may also be useful to students at metallurgical and power-engineering schools of higher education and to members of scientific research organizations.

Card 1/5'

Vacuum Arc Furnaces (Cont.)

SOV/6343

COVERAGE: The book describes the new vacuum melting equipment and electron-beam melting units which have been introduced in large industrial countries during the last few years and which yield metals of specific quality and enhanced properties. Special metallurgical features of the units, their operation, and the thermal and electrical processes taking place in them are discussed. Electrical equipment and problems of its layout and automatic control are also outlined. The Introduction was written by V. A. Boyarshinov and M. Ya. Smelyanskiy; Ch. I, by M. Ya. Smelyanskiy and K. D. Gutterman; Ch. III, by M. Ya. Smelyanskiy; Ch. II, by V. A. Boyarshinov; and Chs. IV and V, by V. P. Tsishevskiy. All materials on electron-beam melting and related equipment were written by L. G. Tkachov and M. Ya. Smelyanskiy, and materials on semiconductor power sources, as well as automatic control of vacuum furnaces, by K. D. Gutterman. General editing was by M. Ya. Smelyanskiy and V. P. Tsishevskiy. The authors thank the members of the All-Union Scientific Research Institute of Electrothermal Equipment for their assistance. There are 73 references, mostly Soviet.

Card 2/5

TKACHEV, LEONID GRIGOR'YEVICH

PHASE I BOOK EXPLOITATION

SOV/6343

Smelyanskiy, Matvey Yakovlevich, Vladimir Arkad'yevich Boyarshinov,
Kirill Davidovich Gutterman, Leonid Grigor'yevich Tkachev, and
Vsevolod Petrovich Tsishevskiy

Dugovyye vakuumnyye pechi i elektronnyye plavil'nyye ustanovki
(Vacuum Arc Furnaces and Electron-Beam Melting Units) Moscow,
Metallurgizdat, 1962. 210 p. Errata slip inserted. 2400
copies printed.

Ed. of Publishing House: M. L. Yezdokova; Tech. Ed.: P. G. Islent'-
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PURPOSE: This book is intended for engineering personnel of electro-
metallurgical plants in ferrous and nonferrous branches of the
metallurgical industry and machine building. It may also be use-
ful to students at metallurgical and power-engineering schools of
higher education and to members of scientific research organiza-
tions.

Card 1/5

Vacuum Arc Furnaces (Cont.)

SOV/6343

COVERAGE: The book describes the new vacuum melting equipment and electron-beam melting units which have been introduced in large industrial countries during the last few years and which yield metals of specific quality and enhanced properties. Special metallurgical features of the units, their operation, and the thermal and electrical processes taking place in them are discussed. Electrical equipment and problems of its layout and automatic control are also outlined. The Introduction was written by V. A. Boyarshinov and M. Ya. Smelyanskiy; Ch. I, by M. Ya. Smelyanskiy and K. D. Gutterman; Ch. III, by M. Ya. Smelyanskiy; Ch. II, by V. A. Boyarshinov; and Chs. IV and V, by V. P. Tsishevskiy. All materials on electron-beam melting and related equipment were written by L. G. Tkachev and M. Ya. Smelyanskiy, and materials on semiconductor power sources, as well as automatic control of vacuum furnaces, by K. D. Gutterman. General editing was by M. Ya. Smelyanskiy and V. P. Tsishevskiy. The authors thank the members of the All-Union Scientific Research Institute of Electrothermal Equipment for their assistance. There are 73 references, mostly Soviet.

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ACCESSION NR: AR5015149

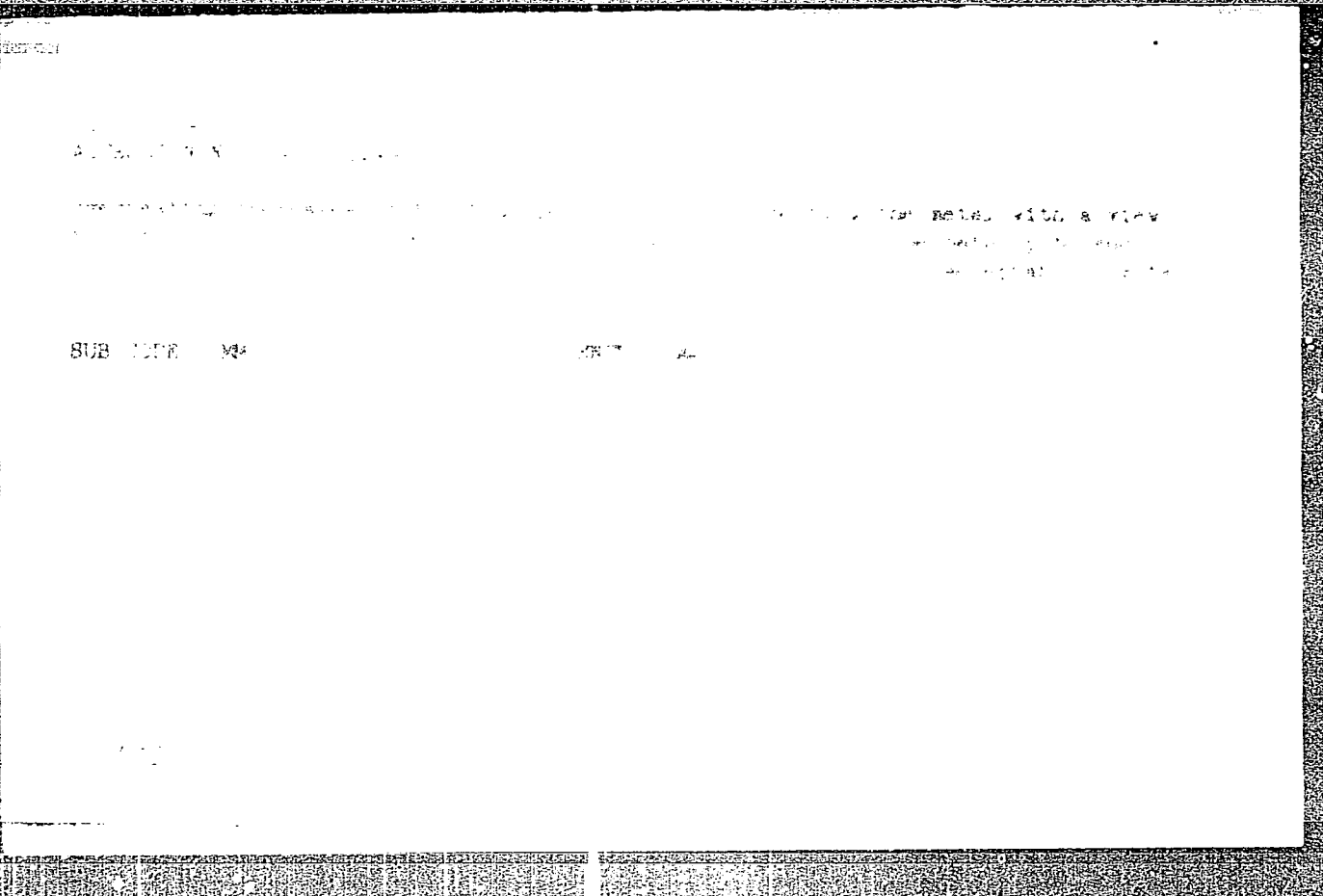
UR/0137/65/000/005/V046/V046

SOURCE: Ref. zh. Metallurgiya, Abs. 57207

A file on the production of...

RUSSIAN SOURCE: Elektrotexnika. Nauchno-tekhn. zh. 1964, 14-20

TRANSLATION: In the laboratory of a MBI electrothermal installation, an investigation was made of the process of...



ZHARKOV, Feliks Petrovich, aspirant; SOKOLOV, Vadim Azrailovich, assistant;
TKACHEV, Lev L'vovich, inzh.

Analysis of the equation of an inductive parametron using an analog
computer. Izv.vys.ucheb.zav.;elektromekh. 7 no.1:3-12 '64.
(MIRA 17:9)

1. Moskovskiy energeticheskiy institut (for Zharkov, Sokolov).

KONOPEL'KO, I.A.; TKACHEV, L.I.; RAYETSKAYA, D.Ya.

Spectral analysis of clays. Inzh.-fiz.zhur. no.2:109-112
F '58. (MIRA 13:1)

1. Nauchno-issledovatel'skiy institut stroymaterialov Upravle-
niya proizvodstva stroitel'nykh materialov Sovnarkhoza BSSR,
Minsk.

(Clay--Spectra)

SMELYANSKIY, Matvey Yakovlevich; BOYARSHINOV, Vladimir Arkad'yevich;
GUTERMAN, Kirill Davidovich; TKACHEV, Leonid Grigor'yevich;
TSISHEVSKIY, Vsevolod Petrovich; YEZDOKOVA, M.L., red. izd-
va; ISLENT'YEVA, P.G., tekhn. red.

[Vacuum arc furnaces and electronic melting plants] Dugovye
vakuumnye pechi i elektronnye plavil'nye ustanovki. Moskva,
Metallurgizdat, 1962. 210 p. (MIRA 16:2)
/Electric furnaces) (Vacuum metallurgy)
(Electronic apparatus and appliances)

SMELYANSKIY, Matvey Yakovlevich; GUTERMAN, Kirill Davydovich;
BOYARSHINOV, V.A., kand. tekhn.nauk, retsenzent; TKACHEV,
L.G., inzh., red.; YEMZHIN, V.V., tekhn. red.

[Design and operation of vacuum arc furnaces] Rabochii protsess
i raschet vakuurnykh dugovykh pechei. Moskva, Gosenergoizdat,
1962. 111 p. (Biblioteka elektrotermista, no.12)

(MIRA 15:11)

(Electric furnaces--Design and construction)
(Vacuum metallurgy)

KUROCHKA, V.P. [Kurachka, V.P.]; TKACHEV, L.I. [Tkachou, L.I.]

Problem of interpreting results from electron microscope studies of
clay minerals. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no.3:85-91 '59.
(MIRA 13:3)

(Electron microscopy)
(Clay)

PA 42/49T32

USSR/Engineering
GYRO

Mar/Apr 49

"An 84-Minute Period for Systems With Connected
and Free Gyroscopes," L. I. Tkachev, Moscow,
2 pp

"Prikladnaya Matematika" Vol XIII, No 2,
pp. 217-218

Physical pendulum, gyropendulum, and gyrocompass;
studied by M. Schuler in 1923, and later
proposals—gyroscopes with integrator corrections
(Ye. B. Levental' and I. M. Boykov); gyroscopic
stabilizer of B. V. Bulgakov and Ya. N.
Roytenberg—are all pendulum systems; nondisturbed
by horizontal accelerations during the period
42/49T32

Mar/Apr 49

USSR/Engineering (Contd)

of free oscillations $T = 84.4$ minutes. Shows
that M. Schuler's period is not an exclusive
characteristic of similar pendulumlike units,
but that it also occurs in systems with
"connected" and "free" gyroscopes. Submitted
16 Dec 48.

42/49T32

TKACHEV, L. I.

Translation M-241, 7 Nov 55
Review B-85162, 23 May 55

PETROV, L.K., kand.tekhn.nauk (Minsk); TKACHEV, L.I. (Minsk)

Using the electron microscope in investigating crystals in the CaO -
SiO₂ - H₂O system. Sbor. nauch. trud. Bel. politekh. inst. no.86:
32-37 '66. (MIRA 13:10)
(Electron microscope) (Crystallography)

ZHUKOVETSKIY, P.A.; LEVIN, S.L.; TKACHEV, L.N., inzh., nauchnyy red.;
ROTENBERG, A.S., red.izd-va; VORONETSKAYA, L.V., tekhn.red.

[Using local materials in constructing houses to be built by
groups of workers] Primenenie mestnykh materialov pri stroi-
tel'stve domov kollektivami trudiashchikhsia. Leningrad, Gos.
izd-vo lit-ry po stroit.arkhit. i stroit.materialam, 1959. 114 p.
(MIRA 12:10)

(Building materials) (Precast concrete construction)

TKACHEV, L.N., inzhener.

Production of gypsum and foam concrete partition slabs by the continuous batch method. Torf.prom. 33 no.1:22-23 '56.(MLRA 9:5)

1. Lengiprotorf.
(Concrete slabs)

TKACHEV, M., polkovnik.

Armament of the combined arms units of the French Army; survey of
the press. Voen.vest. 36 no.2:71-77 F '56. (MLBA 9:8)
(France--Army--Firearms)

TKACHEV, M.T., inzh.

TTS-1 self-dumper. Mekh.i elek.sots.sel'khoz. 16 no.5:52 ' 58.
(MIRA 11:11)

1. Institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva
Akademii sel'skokhozyaystvennykh nauk BSSR.
(Farm equipment)

AUTHOR: Tkachev, N., Engineer.

66-1-20/26

TITLE: Conference of refrigeration engineers in East Germany.
(Konferentsiya kholodil'shchikov GDR).

PERIODICAL: "Kholodil'naya Tekhnika" (Refrigeration Engineering),
1957, No.1, pp.61-68 (U.S.S.R.)

ABSTRACT: Report of a Conference of refrigeration engineers held in Leipzig in September, 1956. Over 200 people participated including people from West Germany and other countries. The report contains summaries of two papers read by West German delegates and of four papers read by East German delegates and also information on cold store facilities in East Germany with a detailed description of a standard cold store of 6400 m² floor space, a photo of which is shown in Fig.2, p.64. Furthermore, brief mention is made of exhibits in this field at the West Germany Industrial Exhibition, Berlin, 1956. There are eight figures and two tables.

AVAILABLE:

Card 1/1

TKACHEV, M., polkovnik.

Infantry battalion on the offensive; based on French theory.
Voen.vest. 33 no.16:71-77 N '53. (MIRA 10:10)
(France—Infantry drill and tactics)
(Attack and defense (Military science))

TKACHEV, M.T., Cand Tech Sci -- (diss) ^{study} "Inquiry and ^{parts}
Investigation ~~into~~ the separating ~~and~~ operating ~~elements~~
of potato-harvesting Machines" Minsk, 1958, 16pp
(Acad Sci BSSR, Department of Phys-Math and Tech Sci),
150 copies, (KL, 41-58, 121)

BEDILO, V.Ye.; KALINCHUK, I.G.; LISHBERGOV, V.D.; NIKOLAYEV, G.P.; TSOY, D.;
SHCHUKINA, G.F. Primali uchastiye: KOLESNIKOV, V.F.; OSPAPENKO,
P.V.; SEDOVA, M.P.; TKACHEV, M.V., DUGIN, Ye.V., otv.red.;
RABINKOVA, L.K., red.izd-va; KOROVENKOVA, Z.A., tekhn.red.; SABITOV, A.,
tekhn.red.

[Types of mine cross section] Tipovye sechenia gornykh vyrabotok.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.6.
[Cross section of mines lined with steel arches and anchor bolting
for 1-, 2- and 3-ton railroad cars] Sechenia vyrabotok, zakreplen-
nykh stal'noi srochnoi i shtangovoi krep'iu, dlia 1-, 2- i 3-tonnykh
vagonetok. 1960. 503 p. (MIRA 13:12)

1. Khar'kov. Gosudarstvennyy proyektnyy institut Yuzhgiroshakt.
(Mine timbering)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755920014-7

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755920014-7"

TK

MA

Reinforced frothed-glass concrete. N. TRACHEV AND P. PIRON. *Kholedil naya Lekh.*, 36 [2] 46-52 (1953). Applications of reinforced frothed-glass concrete (material made from cement, water, sand, and chips of frothed glass) are discussed. After 20

heat-shock cycles, crushing strength dropped 11%, water absorption did not exceed 23 to 27% by weight, bulk weight was 100 kg./m.³, and thermal conductivity was 0.273 cal./m.hr.^{°C}.
B.Z.K.

①

TKP 1000

Reinforced frothed glass concrete N. Kachey and P. Pirog *Khodol. Pribl. i Zh.* 30, No. 2, pp. 57-58 (1963). Applications of reinforced frothed glass concrete prepared from cement-water frothed glass concrete. Material is frost resistant after 20 cycles of freezing. Strength dropped 11% after water absorption and 20% by wt.; bulk wt. 180 kg./cu. m.; heat cond. 0.573 cal/cm-hr.²C. R. Z. Kamich

①

TKACHEV, N., inzhener; PIROG, P., inzhener.

Porous-glass reinforced concrete. Khol.tekh. 30 no.2:46-52 Ap-Je '53.
(MLRA 6:7)
(Reinforced concrete)

TKACHEV, N.

Surplus property of institutions and enterprises should be
sold promptly. Fin.SSSR 20 no.9:70-71 S '59.
(MIRA 12:12)

1. Starshiy ekonomist Rostovskogo oblfinotdela.
(Office equipment and supplies)

TKACHEV, N.

EA 1/49T⁹

USSR/Engineering
Carbon Dioxide Equipment
Refrigerants

Apr/May/June 48

"Designs for Dry Ice Factories," N. Tkachev, Administrator, All-Union Office for KhladoPromProyekt, 8 pp

"Kholodil Tekh" No 2

Discusses facts and details to be considered when planning dry ice factories. Gives theoretical designs and performance tables.

1/49T⁹

30821. TRACHEV, N.

O perevole kamer khameniya na ponizhennyi temperaturnyy rezhim. Kholodil.
tekhnika, 1949, No. 3, s. 14-16.

TKACHEV, N.

Dispatching motorbus traffic. Avt.transp. 42 no.2:12-13 F '64.
(MIRA 17:3)

1. Direktor Rizhskogo avtobusnogo parka.

TKACHEV, N.

Use of monoethanolamine in the production of Dry Ice. Kholodil'naya Tekh.
30, No.1, 20-4 '53. (MLRA 6:3)
(CA 47 no.19:10152 '53)

BADYL'KES, I., professor, doktor tekhnicheskikh nauk; SAFONOV, V., inzhener; TKACHEV, N., inzhener.

Automatic cold storage plant with heat-insulating air jackets.
Khol.tekh. 31 no.4:4-13 O-D '54. (MIRA 8:1)
(Refrigeration and refrigerating machinery)

TKACHEV, N., inzhener.

New refrigerator plants have been put in operation. Khol.tekh. 33
no.1:22-27 Ja-Mr '56. (MLRA 9:7)
(Refrigeration and refrigerating machinery) (Cold storage)

GORBUNOV, M., inzhener; KOBULASHVILI, Sh., inzhener; TKACHEV, N., inzhener.

Refrigeration industry in France. Khol.tekh.33 no.1:42-53 Ja Mr '56.

(MLRA 9:7)

(France--Refrigeration and refrigerating machinery)(France--Cold storage warehouses)

FRANCOIS, M. P.

(Institut de Construction des Etablissements de l'Industrie Frigorifique de
l'URSS, Moscou); "Design and Operating Data of Chamber Cooling Coils with Helical Fins"
/French - 10 pages/

report presented at the International Inst. of Refrigeration (IIR), Annual
Meetings of Commissions 3,4, and 5, Moscow, 3-6 Sep 1958.

FRANCIS, W. L.

"Technical and Economic Data on Freezers and Storage Rooms at Cold Stores."

Report submitted for the 10th Intl. Refrigeration Congress, Copenhagen,
19 August - 2 September 1959.

TKachev N.

FRASE I BOOK REFRIGERATION 807/5747

International Congress of Refrigeration, Moscow, 1958
General editor of USSR (Collected Soviet Reports) Moscow, Gosstroiizdat, 1959. 244 p. Extra 11p inserted. 2,000 copies printed.
Ed. (Title page): Sh. N. Zhukovskiy, Ed. (Inside book): E. V. Chichibov
Auth. Ed.: V. V. Shchegolev.

NOTE: This collection of articles is intended for those interested in the problems of food refrigeration.

CONTENTS: The collection contains 26 papers which were submitted at the meeting of the 3rd, 4th, and 5th Committees of the International Institute of Refrigeration. The meeting was held in Moscow, September 3-6, 1958, and was attended by 265 Soviet specialists and 115 foreign specialists from other countries. The 75 reports discussed at this meeting were on such broad areas as the automation of the cooling of refrigerating installations, the use of closed-loop type refrigerating devices, heat-exchanging food freezers, the theory and technique of rapid cooling and freezing of meat and fish, the use of antibiotics in the cold storage of food, operation of food refrigerators and cooling systems. A complete account of the proceedings of the meeting was published by the International Institute of Refrigeration in 1959. No personalities are mentioned. References follow several of the articles.

TABLE OF CONTENTS

Goshkin, I. [Gosudarstvennyy Institut zooproektirovaniya predpriyatiy kholodil'noy promyshlennosti (State Institute for the Design and Planning of Establishments of the Refrigeration Industry)], P. Fridl (Moshkovskiy khokhodil'nik No. 12 (Moscow Refrigerator No. 12)), and N. Yakovlev (All-Union Scientific Research Institute of the Refrigeration Industry Inst. A. I. Khlopunin): Automation and Control of Moscow Refrigerator No. 12 30

Leffler, P. (All-Union Scientific Research Institute of the Refrigeration Industry Inst. A. I. Khlopunin): Investigation of Air-Cooled Condensers for Small Refrigerators 43

San, E. P. [Nevtral'noye konstruktivnoye byuro khokhodil'noy mashinostroeniya (Central Design Office for the Building of Refrigeration Machinery)], East and West Exchange in an Air-Cooler Provided With Helical Fins 53

Podol, E. (Central Design Office for the Building of Refrigeration Machinery): Air Conditioning in the Moscow State University Inst. of the USSR 60

Paylov, E. Air Conditioning in the State Academy Bol'shoye Theater of the USSR 71

Shchegolev, V. V. [Gosudarstvennyy Institut zooproektirovaniya khokhodil'nikov, fabrik i zavodov (State Institute for the Design of Refrigerators, Factories Producing Dry and Water Ice)], Design and Operation of Plants Chambers With Systems of Helical Finned Pipes 77

Shcherbakov, V. S. (Central Design Office for the Building of Refrigeration Machinery): Automation of Refrigerating Plants With a Widespread Cooling Cycle 86

COMPTON No. 4

Chichibov, E. I., V. D. Korovin, E. I. Pustikov (All-Union Scientific Research Institute of the Refrigeration Industry Inst. A. I. Khlopunin): Refrigeration and Defrosting of Compress Auxiliary Spray 90

Gorbunov, V. M. [Vsesoyuznyy nauchno-issledovatel'skiy Institut khokhodil'noy mashinostroeniya (All-Union Scientific Research Institute of the Refrigeration Machinery)]: Use of Antibiotics for Extending the Time of Cold Storage of Meat and Meat Products 99

TKACHEV, Nikolay Ivanovich; GUL', V.Ye., doktor khim. nauk, prof.,
retsenzent; ROMANOV, A.N., kand. tekhn.nauk, retsenzent;
KUZ'MINSKIY, R.V., inzh., retsenzent; D'YAKONOVA, V.P.,
inzh.-khim., spets.red.; MOROZOVA, I.I., red.; KISINA,
Ye.I., tekhn. red.

[Plastics and their use in the bakery and yeast industry]
Plasticheskie massy i ikh primeneniye v khlebopekarnoi i
drozhzhevoi promyshlennosti. Moskva, Pishchepromizdat,
1963. 222 p.
(MIRA 17:1)

TKACHEV, N.I.; SIDYAKINA, V.V.

Using anticorrosive coatings for the equipment of yeast industries. Khleb.i kond.prom. 6 no.6:14-16 Je '62. (MIRA 15:7)

1. Tsentral'nyy nauchno-issledovatel'skiy institut khlebopekarnoy promyshlennosti.

(Corrosion and anticorrosives)
(Yeast)

TKACHEV, N.I.; MALOVA, L.I., red.; PECHENKIN, I.V., tekhn.red.

[Mechanized sowing and planting of intertilled crops in
checkrows] Mekhanizatsiia kvadratno-gnezdovogo poseva i
posadki propashnykh kul'tur. Moskva, Izd-vo M-va sel'.khoz.
SSSR, 1960. 350 p. (MIRA 13:11)
(Planters (Agricultural machinery))

TKACHEV, N.I.

[Mechanizing checkrowing and planting of row crops] Mekhanizatsiia kvadratno-gnezdovogo poseva i posadki propashnykh kul'tur. Moskva, Izd-vo M-va sel'.khoz.SSSR, 1960. 350 p.

(MIRA 14:3)

(Planters (Agricultural machinery))

TKACHEV, N.M.

Characteristics of built-in alpha calorimeters. Trudy TSNIMF
no. 62:34-47 '65. (MIRA 18:12)

TKACHEV, N.M.

Effect of the parameters of a centripetal turbine on the
temperature field of the rotor. Trudy TSNIIMF no.60:48-61
'64. (MIRA 18:4)

ACC NR:AR6022399

(N)

SOURCE CODE: UR/0398/66/000/003/VO11/VO11

AUTHOR: Tkachev, N. M.

TITLE: Characteristics of built-in alfa calorimeters

SOURCE: Ref. zh. Vodnyy transport, Abs. 3V86

REF SOURCE: Tr. Tsentr. n.-i. in-ta morsk. flota, vyp. 62, 1965, 34-47

TOPIC TAGS: turbine engine, heat transfer, thermal process, thermal analysis, calorimeter, heat exchanger, temperature coefficient, specific heat, HEAT TRANSFER COEFFICIENT

ABSTRACT: The limiting conditions for heat transfer must be known in order to determine the thermal load on the elements of a turbine drive machine. The behavior patterns for the regular thermal condition can be used to determine the heat emission coefficient, using special, built-in, sensors installed in the body subject to thermal activity in such a way that the heat-sensing end is level with the surface of the heat exchanger. Other surfaces are heat insulated. The alfa calorimeter is such a sensor. Investigations have established (1) that the characteristics of built-in alfa calorimeters plotted in accordance with the analytical dependency $Bi = \varphi(P)$, where Bi is a measure of the intensity of the effect of the medium on the alfa calorimeter, and P is a measure of the reaction of the sensor to this effect, can be used for an experimental determination of local values for the heat emission

Card 1/2

UDC: 536.629

ACC NR: AR6022399

coefficients, and (2) that the curvature of the heat exchanger surface has an effect on the characteristics of the alfa calorimeter. This effect can be neglected for values of $\epsilon > 0.95$ to 0.9, where $\epsilon = R_1/R_2$ (R_1 is the internal radius of the sensor, in meters; R_2 is the external radius, in meters), without substantial error (less than 5%); (3) that the simple dependencies $\alpha = x \cdot c \cdot \rho \cdot m \cdot \delta$, or $Bi = x \cdot P^2$, are correct in the range of values for Bi to 0.15 with an accuracy of up to 5%, where $x = 1.0$ for a flat sensor, $X = 1 + \epsilon/2$ for a convex sensor, and $X = 1 + \epsilon/2\epsilon$ for a concave sensor, and where c is the specific heat for the sensor material in watts/degree/kg, ρ is material density in kg/m², δ is the height of the sensor, in meters, and m is the cooling (heating) rate, in liters/hour; and (4) that in the range of values for Bi of 1.0 to 1.5 the duration and the temperature interval of regularization is small, making it possible to determine the rate of change of temperature with acceptable accuracy. 7 figures. Bibliography of 10 titles. S.K. [Translation of abstract]

SUB CODE: 13,20

Card 2/2

KURZON, A.G., doktor tekhn.nauk; TKACHEV, N.M.; TIKHOPLAV, V.Yu.

Gas-turbine plants for high-speed ships of the merchant marine,
Trudy TSNIIMF 7 no.34:3-15 '61. (MIRA 14:8)
(Marine gas trubines)

3(4)

AUTHOR:

Tkachev, N. P.

SOV/6-59-8-9/27

TITLE:

On Combined Work in Mountainous Areas
(O kompleksnoy rabote v gornyykh rayonakh)

PERIODICAL:

Geodeziya i kartografiya, 1959, Nr 8, pp 41-42 (USSR)

ABSTRACT:

In mountainous regions it is useful to have one person carry out all the field work in stereotopographical surveying. This person has to study in advance the section on the basis of the material at hand and has to get to know the project of site and altitude preparation for aerial photographs. The following composition of a brigade is enough for the development of an analytical net: 1 topographer, 1 foreman, and two workers of the third class. An additional worker is necessary, however, on account of the ravines. Workers must be given instruction on safety regulations. At the center of the section a provisions post must be erected so that it is not necessary for the workers to return again and again to the base. The entire section has to be divided into routes for 5-7 days at most. The "emergency ration" has to last for 2 days under all circumstances.

Card 1/2

On Combined Work in Mountainous Areas

SOV/6-59-8-9/27

A number of recommendations in case of rain, for making altitude traverses across ravines, etc, are made.

Card 2/2

RUDNEV, G.P.; TKACHEV, P.G.; ZYAZEV, A.K.; LATSINIK, G. Ye.; SHCHERBAK, Yu.F.

Evaluation of some biochemical indices in epidemic hepatitis.
Kaz. med. zhur. no.5:37-40 S-0'63 (MIRA 16:12)

1. Kafedra infektsionnykh bolezney (zav. - deystveitel'nyy
chlen AMN SSSR prof. G.P. Rudnev) Tsentral'nogo instituta
usovershenstvovaniya vrachey.

TABLE 1, 10

Use of methionine in the treatment of patients with Botkin's disease (infectious hepatitis). P. G. Tkachev. *Sov. Med.* 19, No. 12, 68-70(1955).—On the theory that orally administered methionine (I), by making available labile methyl groups, counteracts the inhibition of lipotropic amino acid and choline synthesis in the infected liver, 52 patients with Botkin's disease were treated and 50 recovered after administration of I with pancreatin and glucose. Dosage of I ranged from 2 g. daily (total 12-15 g.) in mild cases to 6 g. daily (total 32-45 g.) in severe cases. In mild and moderate cases blood bilirubin titer dropped abruptly after 3-4 days of treatment and returned to normal after 14-18 days. I is recommended for treatment of all such cases.

Cyrus C. Sturgis, Jr.

TKACHEV, P.G., dotsent, kand.med.nauk

Study of protein fractions by means of paper electrophoresis in
infectious hepatitis following treatment with methionine. Lech.
infekts. bol'. no.3:71-80 '57. (MIRA 14:5)
(BLOOD PROTEINS) (HEPATITIS, INFECTIOUS)
(PAPER ELECTROPHORESIS) (METHIONINE)

TKACHEV, Petr Grigor'yevich; RED'KIN, I.Ye., red.; BASIMAKOV, G.M.,
tekhn.red.

[Epidemic hepatitis] Epidemicheskii gepatit. Moskva, Izd-
vo "Meditsina," 1964. 78 p. (MIRA 17:3)

*

USSR/Virology - Viruses of Man and Animals.
Viruses of Hepatitis.

E

Abs Jour : Ref Zhur Biol., No 6, 1959, 23883

Author : Anan'yev, V.A., Tkachev, P.G., Popik, A.L., Semenov,
Ye.P., Sinayko, G.A., Pitvak, Ye.N.

Inst : -

Title : An Experiment in Prophylaxis of Dotkin's Disease with
Gamma-Globulin

Orig Pub : Vopr. Virusologii, 1958, No 3, 183-185

Abstract : No abstract.

Card 1/1

TRACHNEV. P.G.

Using methionine in the treatment of Botkin's disease. Sov.med. 19
no.12:68-70 D '55. (MLA: 10:9)

1. Iz kafedry infektsionnykh bolezney (zav. - deystvitel'nyy chlen
AMN SSSR prof. G.P.Rudnev) Tsentral'nogo instituta usovershenstvo-
vaniya vrachey (dir. - V.P.Lebedeva)
(HEPATITIS, INFECTIOUS) (METHIONINE)

TKACHEV, P.G., inzhener.

Experience in using coal mining waste rock immediately in the mine. Ugol'
28 no.8:43-44 Ag '53. (MLRA 6:7)

1. Shakhta no.19 tresta Gorlovskugol'. (Mine engineering)

TKACHEV, P.G., inzhener.

Experience in using coal mining waste rock immediately in the mine. Ugol'
28 no.8:43-44 Ag '53. (MLRA 6:7)

1. Shakhta no.19 tresta Gorlovskugol'. (Mine engineering)

ANAN'YEV, V.A., TKACHEV, P.G., POPIK, A.L., SEMENOV, Ye.P. SINAYKO, G.A.,
LITVAK, Ye.N.

Experiences in the prevention of Botkin's disease with gamma globulin.
Vop.virus 3 no.3:183-185 My-Je '58 (MIRA 11:7)

1. Institut virusologii imeni AMN SSSR, Moskva i Sanitarno-epidemiolo-
gicheskaya stantsiya Kishineva.

(HEPATITIS, INFECTIOUS, prevention & control
gamma globulin (Rus))

(GAMMA GLOBULIN, therapeutic use
in prev. of infect. hepatitis (Rus))

TKACHEV, F. G.

"Gas Gangrene," pages 158-163 of the book "Treatment of Infectious Diseases," Moscow, 1953

Candidate of Medical Sciences

Presented 6 March 1953 (Moscow) at the All-Union Conference on the Control of Dysentery sponsored by the Ministry of Public Health SSSR.

Translation No. 474, 19 Oct 1955.

TKACHEV, P.G., dotsent; ZYAZEV, A.K., starshly nauchnyy sotrudnik

Evaluation of some biochemical indexes in infectious hepatitis.
Lech. infekts. bol'. no.4:53-70 '60. (MIRA 14:5)
(HEPATITIS, INFECTIOUS)

ANAN'YEV, V.A.; BARINSKIY, I.F.; TKACHEV, P.G.; KARNAUKHOV, Yo.P.;
NAZARETYAN, Ye.L.

Evaluation of some diagnostic tests in Botkin's disease. Zhur.
mikrobiol., epid. i immun. 33 no.3:36-39 Mr '62. (MIRA 15:2)

1. Iz Instituta virusologii AMN SSSR, kafedry infektsionnykh bolezney
TSentral'nogo instituta usovershenstvovaniya vrachey i Krasnosovetsko
infektsionnoy bol'nitsy.
(HEPATITIS, INFECTIOUS) (ERYTHROCYTES)

TKACHEV, P.G.

Materials on the hygienic characteristics of aniline as a contaminant of the air. Pred.dop.kontsent.atmosf.zagr. no.8:41-58
'64. (MIRA 18:4)

1. Iz kafedry kommunal'noy gigiyeny TSentral'nogo instituta usovershenstvovaniya vrachey.

SMIRNOV, Ye.I., general-polkovnik med. sluzhby, glav. red.;
VISOVSKIY, S.V., prof., polkovnik med. sluzhby, red.
razdela [deceased]; TEODORI, M.I., kand. med. nauk,
polkovnik med. sluzhby, pom. red.; TKACHEV, P.G., kand.
med. nauk, podpolkovnik med. sluzhby, pom. red.;
GABERLAND, M.I., tekhn. red.

[Experience of Soviet medicine during the Great Patriotic
War, 1941-1945] Opyt sovetskoi meditsyny v Velikoi Ote-
chestvennoi voine, 1941-1945 gg. Moskva, Medgiz. Vol.31.
1955. 315 p. (MIRA 16:7)
(WORLD WAR 1939-1945--MEDICAL AND SANITARY AFFAIRS)

TKACHEV, P.I.

TKACHEV, P.I.; SHKLOVSKIY, M.B., redaktor; BEKKER, O.G., tekhnicheskiiy redaktor.

[Work practice of N.N.Smoliarov, operator of a magnetic crane]
Opyt raboty kranovshohika magnitnogo krana N.N.Smoliarova.
Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1953. 20 p. (MLRA 7:8)
(Cranes, derricks, etc.)

L 12582-63 EPR/EWP(j)/EPF(c)/EWT(m)/BDS AFFTC/ASD Ps-4/Pr-4/
Pc-4 RM/WW

ACCESSION NR: AP3003313

8/0191/63/000/007/0055/0058/74

AUTHOR: Mirolubov, I. N.; Sergiyevskiy, N. D.; Loginov, V. G.; Tkachev, P. I;
Shvalyuk, L. A.; Kolygin, S. K.

TITLE: Effect of temperature on SNP thermoplastic

SOURCE: Plasticheskiye massy*, no. 7, 1963, 55-58

TOPIC TAGS: SNP thermoplastic, tensile stress, GOST 4646-49

ABSTRACT: Authors tested the stability of SNP-284 thermoplastic at temperatures from 0 to 60C. The effect of temperature on its maximum tensile stress and specific impact strength was determined. Samples were used which were produced from a sheet. Shape and size corresponded to GOST 4646-49. The samples were fractured on a TsDM-101 machine which had a maximum force of 2000 kg and deformation rate of 10 mm/min. in a special thermostat. A photograph of the machine is included in the article. Authors then construct curves for the data obtained in these tests and discuss each curve in detail. Orig. art. has: 8 figures and 2 tables.

Card 1/21

L 12582-63 EPR/EWP(j)/EPF(c)/EWT(m)/BDS AFFTC/ASD Ps-4/Pr-4/
Pc-4 RM/III
ACCESSION NR: AP3003313 S/0191/63/000/007/0055/0058/74

AUTHOR: Miroljubov, I. N.; Sergiyevskiy, N. D.; Loginov, V. G.; Tkachev, P. I;
Shvalyuk, L. A.; Koly*gin, S. K.

TITLE: Effect of temperature on SNP thermoplastic

SOURCE: Plasticheskiye massy*, no. 7, 1963, 55-58

TOPIC TAGS: SNP thermoplastic, tensile stress, GOST 4646-49

ABSTRACT: Authors tested the stability of SNP-284 thermoplastic at temperatures from 0 to 60C. The effect of temperature on its maximum tensile stress and specific impact strength was determined. Samples were used which were produced from a sheet. Shape and size corresponded to GOST 4646-49. The samples were fractured on a TsDM-10 machine which had a maximum force of 2000 kg and deformation rate of 10 mm/min. in a special thermostat. A photograph of the machine is included in the article. Authors then construct curves for the data obtained in these tests and discuss each curve in detail. Orig. art. has: 8 figures and 2 tables.

Card 1/2

MIROLYUBOV, I.N.; SERGIYEVSKIY, N.D.; LOGINOV, V.G.; TKACHEV, P.I.;
SHVALYUK, L.A.; KOLYGIN, S.K.

Effect of temperature on the strength of the thermoplast SNP.
Plast.massy no.7:55-58 '63. (MIRA 16:8)
(Plastics--Testing)

I. 2203-66 EST(m)/EM(d)/EP(t)/EP(k) LJP(c) JEM:JH
ACC NR: AP6009169 SOURCE CODE: UR/0182/65/000/011/0019/0024

AUTHOR: Itskovich, G. M.; Kolesnikov, N. P.; Miranskaya, Ye. D.; Ostreyko, I.A.;
Sautkin, N. I.; Tkachev, P. N.

ORG: none

TITLE: Deep-drawability of sheet steel produced by continuous casting

SOURCE: Kuznechno-shtampovochnoye proizvodstvo, no. 11, 1965, 19-24

TOPIC TAGS: continuous casting, cast steel, metal stamping, metal drawing, ~~automotive~~
~~industry~~, sheet metal, *metal casting*

ABSTRACT: The article presents the results of an investigation of the properties and stampability of cold-rolled sheet steels 08kp, 10kp, 08kp and 08ps, produced by the continuous casting method as compared with steel obtained from conventionally cast ingots. Stampability was investigated at the pressforging shop of the Minsk Low-Displacement Motor Vehicle Plant. Prior to the deep drawing of intricately shaped automotive body parts the specimens were subjected to mechanical tests and metallographic examinations which showed that sheet steel produced by continuous casting meets the requirements of the standards for quality structural sheet steel and that its ferrite grains are of a sufficiently small size to favorably affect the quality of the surface of elements during their deep drawing. Stampability under production

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ACC NR: AP6009169

conditions was determined during the drawing of a number of components of the Moskvich car: an analysis of the stress-strain diagram during drawing established that the plasticity margin of the metal is comparatively high during the embossing of most of the components investigated. An exception is the stress-strain diagram during the die-stamping of lower crankcases. The deep drawing of the crankcase involves limiting values of the plasticity margin in a number of sectors of the component and in some cases the embossing culminates in total exhaustion of the metal's plasticity. Compared with steel deriving from conventionally cast ingots, the proportion of defective components fabricated from steel produced by continuous casting was appreciably lower. These findings point to a satisfactory stampability of steel produced by continuous casting and the possibility of using this steel for the deep drawing of elements fabricated from metal meeting the (lower) requirements of the All-Union State Standard GOST 914-56. Orig. art. has: 5 figures, 3 tables.

SUB CODE: 11, 13/ SUBM DATE: none/ ORIG REF: 005/ OTH REF: 000

Card

2/2 mgs

TKACHEV, P.Ya.

Method of compounding recipes for sirups used in the preparation of
marinadaq. Kons.1 ov.prom. 14 no.2:14-15 F '59. (MIRA 12:3)

1. Upravleniye pishchevoy promyshlennosti Krasnodarskogo sovnarkhoza.
(Fruit--Preservation) (Vegetables--Preservation)

TKACHEV, P. YA.

Fertilizers and Manures

Effect of organic mineral granulated fertilizer upon the sunflower crop. P. YA. Tkachev.,
Sov. agron., 10, no. 2, 1952

Monthly List of Russian Accessions, Library of Congress, May 1952. UNCLASSIFIED.

TKACHEV, P. YA.

"Raising the Yield of Sunflower Crops by Using Fertilizers in Small Doses." Min. Higher Education USSR, Voronezh Agricultural Inst., Voronezh, 1955. (Dissertation for the Degree of Candidate in Agricultural Sciences)

SO: Knizhnaya Letopis', No. 22, 1955, pp 93-105

TKACHEV, R. A.

"Cataplexy," Sbornik nauch. rabot, posvyashch. 70-letiyu prof. Seppa, Moscow, 1948,
p. 185-202

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, No. 3, 1949)