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to the more essential problems in this field.

TABLE OF CONTENTS:

From the Editors 3

Spitsyn, V.I., Corresponding Member, AS USSR. Opening Remarks 5

Vagramyan, A. T., D. N. Usachev, and G. I. Chervova. Cathode Polarization in the Electrodeposition of Chromium 8

Vagramyan, A.T., and D.N. Usachev. Investigating the Mechanism of Chromium Electrodoposition by Means of Tagged Atoms 27

Matulis, Yu. Yu., and M. A. Mitskus. Formation of Trivalent Chromium Ions and Their Role in the Chromium Plating Process 31

Levin, A. I., and A. I. Falicheva. Concentration Changes in Layers Near the Cathode in a Chromium Bath and the Mechanism of Chromium Electrodeposition 44

Syscyev, A.N., and N. T. Drobantseva. Comparative Investigation of Chromium-plating Processes in Standard and Combined-type Baths 61

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

Kurtepov, M. M. Corrosion of Chromium in Acid, Oxidizing Solutions 204

Chervova, G. I., and A. T. Vagramyan. Distribution of Metal on the Electrode During Chromium Electrodeposition 208

Shluger, M. A., and A. I. Lipin. Apparatus for Depositing Thick Chromium Platings on Parts 215

Semin, V. M. Chromium Plating in Self-regulating Electrolytes 224

AVAILABLE: Library of Congress

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TM/gmp
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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

137-58-6-12951

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 252 (USSR)

AUTHORS: Vagramyan, A.T., Usachev, D.N., Chervova, G.I.

TITLE: Polarization of the Cathode During the Electrolytic Deposition of Chromium (Polyarizatsiya katoda pri elektroosazhdenii khroma)

PERIODICAL: V sb.: Teoriya i praktika elektrolit. khromirovaniya. Moscow, AN SSSR, 1957, pp 8-26

ABSTRACT: The polarization of the cathode during electrolytic precipitation was studied, and a quantitative study of the different reactions taking place on the electrode was made. Data in the literature concerning the dependence of cathode polarization on the cathode cd are contradictory. It is shown that during reduction of CrO_3 reproducible results may be obtained only with a constant current intensity I in the circuit or with strictly constant electrode potential $\mathcal{E}$: 1) when I = const, the polarization curve consists of two stable segments wherein the ascending and descending branches do not coincide; there is a sharply defined hysteresis loop; 2) when $\mathcal{E}$ = const, the polarization curve has an anomalous shape; viz., if the polarization of the

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Polarization of the Cathode (cont.)

electrode is raised, beginning at a certain value, the intensity of the current falls sharply; the ascending and the descending branches then coincide. It is shown that the reduction of Cr^{6+} to Cr^{3+} corresponds to the first segment of the curve. The rate of this reaction is dependent upon the diffusion of Cr^{6+} toward the cathode. On the last segment three reactions take place simultaneously: separation of H_2, reduction of Cr^{6+} to Cr^{3+} and reduction to metallic Cr. Polarization curves for a constant ε value in the presence and in the absence of H_2SO_4 differ sharply from one another. The presence of H_2SO_4 favors the reduction of Cr^{6+} to Cr^{3+} on the first segment of the curve and sharply inhibits the reduction on the second segment. It is shown that upon an increase of concentration of H_2SO_4 the rate of reduction of H^+ decreases, whereas the rate of reduction of H_2CrO_4 to Cr increases sharply, and the rate of incomplete reduction increases steadily. Upon studying the changes in I with ε = const per unit of time it was established that a film forms on the cathode during electrolysis, which film is destroyed so soon as the current is switched on.

1. Chromium--Electrodeposition 2. Cathodes (Electrolytic cell) L.A.
--Polarization

Card 2/2

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137-58-6-12945

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 251 (USSR)

AUTHORS: Chervova, G.I., Vagramyan, A.T.

TITLE: Distribution of Metal on the Electrode During the Electrolytic Deposition of Chromium (Raspredeleniye metalla na elektrode pri elektroosazhdenii khroma)

PERIODICAL: V sb.: Teoriya i praktika elektrolit. khromirovaniya. Moscow, AN SSSR, 1957, pp 208-214

ABSTRACT: Work on the determination of the relative character of the distribution of the metal on the cathode in existing Cr baths is described. The distribution of the metal was determined by weighing a cylindrical cathode assembled from 10 metal disks. It is shown that during electrolytic depositions of Cr a change in the content of electrolyte does not have any substantial effect on the uniformity of the distribution of metal on the cathode surface. The best results were obtained in a bath of the following composition (in g/liter): CrO_3 250, H_2SO_4 1.2, H_2SiF_6 12. Contrary to the statement of Farber and Blyum it was shown that as cathode cd was increased from 10 to 50 amp/dm^2 in an

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Distribution of Metal (cont.)

electrolyte containing 250 g/liter of CrO_3 and 2.5 g/liter of H_2SO_4 at 50°C the uniformity of the coating decreases. A certain improvement of distribution appears at small cathode cd but it is not significant.

P.S.

1. Chromium--Electrodeposition 2. Cathodes (Electrolytic cell)--Properties
3. Cathodes (Electrolytic cell)--Test results

Card 2/2

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24653
S/076/61/035/006/003/013
B127/B203

5.1310

AUTHORS: Krasovskiy, A. I., and Chervova, G. I.

TITLE: Depolarization in the electrodeposition of zirconium on liquid and solid cathodes

PERIODICAL: Zhurnal fizicheskoy khimii, v. 35, no. 6, 1961, 1230 - 1234

TEXT: The object of the paper was a study of the change in chemical activity of Zr during interaction with other metals. The experiments were made in a specially designed furnace with graphite electrodes (Fig. 1). The method is based on measuring the I, E curves and determining the decomposition potential. The depolarization of Zr in its deposition from K_2ZrF_6 on Cu, Ni, Fe, Sn and Ag was measured. The reaction was conducted in argon atmosphere containing no O_2, N, H_2. The alloy was produced from chemically pure salts by fusing in HCl atmosphere. The anode used was a graphite crucible of 140cm^2 surface. The surface of the metal cathode was 2cm^2. The reaction was initiated

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24653
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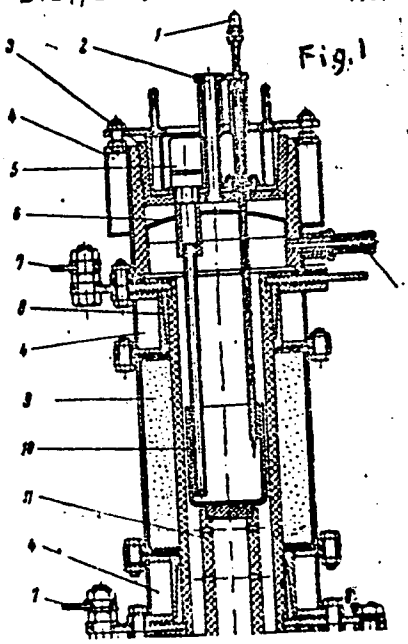
B127/B203

Depolarization in the ...

SUBMITTED: September 3, 1959

Fig. 1: Vertical section through the furnace with graphite heater. Legend: (1) Comparison electrode, (2) cathode opening, (3) upper conical cover, (4) cooling chamber, (5) thermocouple, (6) graphite reflector, (7) copper busbar, (8) graphite heater, (9) firebrick lining, (10) graphite crucible, (11) graphite support for the crucible and for the inert-gas conduit, (12) lower conical cover, (13) outgoing nozzle, (14) anode terminal, (15) inlet nozzle.



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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVOVA, I. A., Physician

"Innervation of the Right Auricle." Sub 15 Jan 51, Second Moscow State Medical Inst imeni I. V. Stalin.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVOVA, I.A.; SPERANSKIY, A.D., akademik.

Muscular structure of the sinal region of the right atrial auricle. Dokl. AN SSSR 92 no.4:843-845 O '53. (MLRA 6:9)

1. Akademiya nauk SSSR (for Speranskiy). 2. Vtoroy Moskovskiy gosudarstvennyy meditsinskiy institut im. I.V.Stalina (for Cherova).
(Heart) (Muscle)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVOVA, I. A.

USSR/ Medicine - Histology

Card 1/1 Pub. 22 - 40/45

Authors : Chervova, I. A.

Title : The nerve apparatus of the right auricle

Periodical : Dok. AN SSSR 103/2, 321-324, Jul 11, 1955

Abstract : Experiments were conducted to study the nerve apparatus of the right auricle and to explain the problem of whether the specific function of the right auricle is active or rests during the action of the nerve apparatus especially the one oriented in the sinus gone. Results are described. Five USSR references (1944-1954). Drawings.

Institution : Second Moscow State Medical Inst. im. I. V. Stalin

Presented by : Academician A. I. Abrikosov, February 27, 1955

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVOVA, I.A

CHERVOVA, I.A.

Innervation of the left auricle of the heart. Dokl. AN SSSR 103 no.4:709-711 Ag'55. (MIRA 8:11)

1. Vtoroy moskovskiy gosudarstvennyy meditsinskiy institut im. I.V.Stalina. Predstavleno akademikom A.I.Abrikosovym 27 II 1955.
(HEART, INNERVATION, LEFT AURICLE)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVOVA, I.A.

Structural and functional changes in the heart caused by section of the vagus nerve. Arkh.anat.gist.i embr. 39 no.7:13-22 Jl '60. (MIRA 14:5)

1. Kafedra gistologii (zav. - chlen-korrespondent AN SSSR zasluzhennyy deyatel' nauki prof. G.K.Khrushchov) II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.
(VAGUS NERVE—SURGERY) (HEART—MUSCLE)

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CHERVOVA, I.A.

Structural organization of the intracardiac nervous apparatus.
Arkh. anat., gist. i embr. 48 no.2:60-66 F '65. (MIRA 18:8)

1. Kafedra gistologii (zav. - doktor med.nauk prof. T.A.Grigor'yeva) 2-go Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.

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CHERVOVA, L.V.; VELIKOVSKIY, D.S.

Thickening properties of high polymers in lubricating oils. Izv.vys.ucheb.zav.; neft' i gaz 1 no.10:77-82 '58. (MIRA 12:4)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti imeni akademika I.M.Gubkina.
(Lubrication and lubricants)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

SOV/123-59-15-59154

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 16, p 38 (USSR)

AUTHORS: Chervova, L.V., Velikovskiy, D.S.

TITLE: The Anti-Corrosion and Anti-Wear Properties of Light Industrial Oils

PERIODICAL: Novosti neft. tekhn. Neftepererabotka, 1958, Nr 2, pp 7 - 9

ABSTRACT: Results of investigations of fractions of artemovskaya sagaydakskaya and archedinskaya petroleums are given, which were obtained from an atmospheric vacuum installation (temperature of evaporation approximately 250 to 325°C.) It was established that low-viscous oil fractions of crude oil of various origins may possess different lubricating and anti-corrosion properties and chemical stability. On the basis of the data obtained one can ground the selection of crude oil fractions when using them as lubricants or components, compound oils, for technical purposes. 3 tables and 1 chart.

P.V.M.

Card 1/1

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVOVA, L.V.; VELIKOVSKIY, D.S.

Effect of high-polymer additives on viscosity-temperature properties of lubricating oils. Izv. vys. ucheb. zav.; neft i gaz no.8:69-76 '58. (MIRA 11:10)

1.Moskovskiy neftyanoy institut im. akad. I.M. Gubkina.
(Lubrication and lubricants)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVOVA, L. V., Candidate Tech Sci (diss) -- "Investigation of the viscosity properties of concentrated high-polymer oils". Moscow, 1959. 15 pp (Min Higher Educ USSR, Moscow Order of Labor Red Banner Inst of the Petroleum-Chem and Gas Industry im I. M. Gubkin), 150 copies (KL, No 23, 1959, 169)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVOVA, L.V.; VELIKOVSKIY, D.S.

Effect of high-polymer thickening as related to the chemical composition of oil fractions undergoing thickening. Izv. vys. ucheb. zav.; neft' i gaz 2 no.4:85-92 '59. (MIRA 12:10)

1.Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akad. I.M. Gubkina.
(Polymers)

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KOCHKIN, D.A.; KOTRELEV, V.N.; KALININA, S.P.; KUZNETSOVA, G.I.; LAYNE, L.V.; CHERVOVA, L.V.; BORISOVA, A.I.; BORISENKO, V.V.

Organotin monomers and polymers. Vysokom.soed. 1 no.10: 1507-1513 O '59. (MIRA 13:3)

1. Nauchno-issledovatel'skiy institut plasticheskikh mass. (Tin organic compounds) (Polymers)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

5.4100

77547
SOV/65-60-2-7/15

AUTHORS: Velikovskiy, D. S. (Deceased), Chervova, L. V.

TITLE: Effect of Thickening of Petroleum- and Liquid Silicone Oil Mixtures With High-Polymer Additives

PERIODICAL: Khimiya i tekhnologiya topliv i masel, 1960, Nr 2, pp 30-38 (USSR)

ABSTRACT: The viscosity of petroleum- and silicone oil mixtures was examined, after having added three different high polymers; i.e., poly-(ethylhexyl-methacrylate) with molecular weigh 8,500; poly-(vinyl n-butyl ether) with molecular weight 4,000; and polisobutylene with molecular weight 8,800. The polymers were added in amounts of 10%, 12%, and 10% respectively. They proved to produce no anomalous viscosity of their own but to affect that which existed in the original oil mixture; viscosity depression of the latter was retained, although the absolute values of viscosity changed. Hence, the anomalous viscosity

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Effect of Thickening of Petroleum- and Liquid Silicone Oil Mixtures With High-Polymer Additives

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SOV/65-60-2-7/15

of petroleum- and silicone oil mixtures could be, in the presence of high-polymer additives, evaluated in terms of the difference between the viscosity value calculated according to the Walter equation and that measured experimentally. The viscosity

$$\text{depression factor } K = \frac{V_{calculated} - V_{experimental}}{V_{calculated}} 100$$

changes with the changing content of two oils in the mixture (Fig. 2). Some high polymers alter the viscosity of mixtures more than others. For example, the viscosity depression of a petroleum oil & polyethylsiloxane mixture increases when polymethacrylate is added, while polyisobutylene and poly-(vinyl n-butyl ether) reduce the viscosity depression. The latter two polymers increase the viscosity of oil

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Effect of Thickening of Petroleum- and Liquid Silicone Oil Mixtures With High-Polymer Additives

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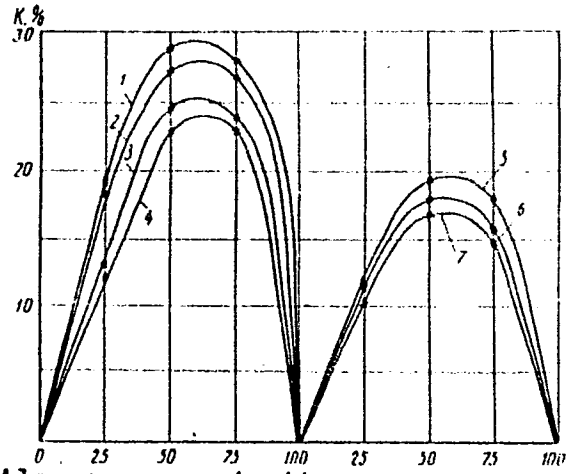
SOV/65-60-2-7/15



A. % polyethylsiloxane concentration

B. % polymethylphenylsiloxane concentration

Card 3/5 See Card 4/5 for caption

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Effect of Thickening of Petroleum- and Liquid Silicone Oil Mixtures With High-Polymer Additives

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SOV/65-60-2-7/15

See Card 3/5 for Fig.

Fig. 2. Dependence of the viscosity depression factor K of oil mixtures at 25° C, with or without thickening, on the content of polyethylsiloxane- and polymethylphenylsiloxane liquids: (1,5) Mixtures thickened with polymethacrylate; (2,7) mixtures without thickening; (3) mixtures thickened with polyisobutylene; (4,6) mixtures thickened with poly-(vinyl n-butyl ether). Key to Fig. 2: (A) % polyethylsiloxane concentration; (B) % polymethylphenyl +siloxane.

mixtures to a greater extent if the viscosity was originally lower, while the first polymer shows the opposite effect under similar conditions. The high polymers increase the viscosity of oil mixtures at a higher temperature to a lesser extent than at a lower. This is especially significant when polymethlphenylsiloxane

Card 4/5

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Effect of Thickening of Petroleum- and Liquid Silicone Oil Mixtures With High-Polymer Additives

77547
SOV/65-60-2-7/15

content of oil mixtures is high. Thus, viscosity temperature characteristic of petroleum- and silicone oil mixtures may be highly improved by adding suitable high polymers. There are 7 figures; 2 tables; and 3 Soviet references.

ASSOCIATION: Moscow Institute of Petroleum Economy and ~~State~~ Planning imeni Gubkin (MINKh i GP imeni Gubkina).

Card 5/5

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVOVA, L.V.

Investigating the viscous properties of oils thickened with high polymers. Trudy MINKHiGP no.32:92-115 '60. (MIRA 14:9)
(Lubrication and lubricants)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

VELIKOVSKIY, D.S. [deceased]; CHERVOVA, L.V.

Effect of the chemical nature and structure of high polymer additives on the viscous properties of oils of various chemical compositions. Trudy MINKHiGP no.28:44-55 '60. (MIRA 14:4)
(Polymers) (Lubrication and lubricants)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

S/081/61/000/024/071/086
B151/B101

AUTHOR: Chervova, L. V.

TITLE: Study of the viscosity characteristics of oils thickened with high-molecular polymers

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1961, 471, abstract 24M92 (Tr. Mosk. in-t neftekhim. i gaz. prom-sti, no. 32, 1960, 92 - 115)

TEXT: The change in viscosity over a range of temperature from 0 to 100° has been studied for oils (visc. 3 - 4 cst., 150°C) from Sagaydak, Artema Island and Archeda naphthas, fractions (F) of naphtheno-paraffinic, light aromatic and heavy aromatic hydrocarbons from these oils, mixtures of various F of one oil, mixtures of oils with polysiloxane fluids, mixtures of F with polysiloxane fluids, thickened with high polymers of F, polysiloxane fluids, and mixtures of oils with polysiloxane fluids. For the purpose of thickening, polyisobutylene, polyoctyl methacrylate, polyethylhexyl methacrylate, and vinipol were used. This investigation has shown that the most important factors affecting the viscosity characteristics of

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S/081/61/000/024/071/086
B151/B101

Study of the viscosity...

thickened oils are: the chemical composition of the oil; its viscosity and the change of this property with temperature; the thickening effect of the high polymer and its change with temperature. [Abstracter's note: Complete translation.]

Card 2/2

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVOVA, M.S.

VYALYKH, Pavel Nikolayevich; CHERVOVA, M.S., redaktor; LEVONEVSKAYA, L.G., tekhnicheskiy redaktor.

[My work with high-frequency apparatus] Moi opyt raboty na vysokochastotnoi ustanovke. [Leningrad] Lenizdat, 1956. 53 p. (MLRA 10:4)
(Metals--Heat treatment)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVOVA, M. S.

YASHIN, I.V. inzhener; CHERVOVA, M.S., redaktor; LEVONEVSKAYA, L.G., tekhnicheskiy redaktor.

[Technical seminar] Tekhnicheskii seminar. [Leningrad] Lenizdat, 1957, 39 p. (MLRA 10:4)

1. Nachal'nik elektrosvarochnogo uchastka Izhorskogo zavoda (for Yashin).

(Electric welding)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVOVA M. S.

IVANOV, Dmitriy Ivanovich; CHERVOVA, M.S., red.; LEVONEVSKAYA, L.G., tekhn.red.

[Color photography] TSvetnoe fotografirovanie. [Leningrad] Lenizdat, 1957. 78 p. (MIRA 11:5)
(Color photography)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVOVA, M.S.

GEL'TMAN, Ye.E.; GNEZDEVA, M.F.; CHERVOVA, M.S., red.; LIVSHITS, D.A., tekhn.red.

[Progressive methods of weavers] Progressivnye metody truda tkachei. [Leningrad] Lenizdat, 1957. 86 p. (MIRA 11:5)
(Weaving)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

Cherkova, M.S.

PHASE I BOOK EXPLOITATION 123

Blyumberg, V.A.

Vysokoproizvoditel'naya rabota na tokarnom stanke (Highly Productive Machining on a Lathe) Lenizdat, Leningrad, 1957. 103 p. 5,000 copies printed.

EDITOR: Chervova, M.S.; Tech. Ed.: Levonevskaya, L.G.; Reviewer: Kucherenko, N.G.

PURPOSE: The brochure is designed for a wide circle of workers and engineering and technical personnel of machine-and instrument-building enterprises.

COVERAGE: The brochure reports on the latest machining technology achievements of lathe operator-innovators of Leningrad plants. Special emphasis is placed on the curtailment of time spent on auxiliary operations. A review is made of modern designs of chucks, rests, centers, and other machine-tool elements. A detailed description is presented of control methods for

Card 1/4

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Highly Productive Machining on a Lathe 123

Ch. III. Improvement in Methods of Clamping Work Parts on a Lathe 38

6. Efficient methods of clamping shaft-type parts 38

7. Efficient methods of clamping of gear wheel-, bushing-, disc-, and ring-type parts 51

Ch. IV. Simplification of Methods for Dimensional Setup of Tools and of Methods for Controlling Lathe Operations 60

8. Attachments and devices for dimensional setup of tools 60

9. Attachments and devices for automatic control of given dimensions 66

10. Attachments for machining profile surfaces 74

Card 3/4

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

SERGEYEV, Mikhail Afanas'yevich; CHERVOVA, M.S., red.; SMIRNOV, P.S., tekhn. red.

[High-production technology in fitting work] Vysokoproizvoditel'naia tekhnologiia slesarno-storochnykh rabot. [Leningrad] Lenizdat, 1957. 121 p. (MIRA 11:7)

(Machine-shop practice)

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BOL'SHAKOV, Sergey Anisimovich; CHERVOVA, M.S., red.; LIVSHITS, D.A., tekhn.red.

[Machining on lathes] Tokarnye raboty. Leningrad, Lenizdat, 1957. 197 p. (MIRA 13:3)
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BAL'YAN, Khoren Vaganovich, kand.khim.nauk; CHERVOVA, M.S., red.; ONOSHKO, N.G., tekhn.red.

[Wondrous transformations (preparation and use of acetylene)] Chudesnye prevrashcheniia; o poluchenii i primenenii atsetilena. Leningrad, Lenizdat, 1959. 55 p. (MIRA 13:1)
(Acetylene)

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RAYKHENSHTEYN, Isaak TSfan'yevich; PAKIDOV, P.A., nauchnyy red.; CHERVOVA, M.S., red.; ONOSHKO, N.G., tekhn.red.

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[Century of polymers] Vek polimerov. Leningrad, Lenizdat, 1959. 246 p. (MIRA 13:5)

1. Chlen-korrespondent AN SSSR (for Ushakov).
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[Principles of heat treatment] Osnovy termicheskoi obrabotki. Leningrad, Lenizdat, 1959. 250 p. (MIRA 12:12)
(Metals--Heat treatment) (Metallography)

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[New machinery and instruments] Novye mashiny i pribory. Leningrad, Lenizdat, 1960. 58 p. (MIRA 13:11)

1. Zamestitel' predsedatelya Leningradskogo sovnarkhoza (for Kuznetsov).
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[Mechanization and automation in Leningrad enterprises; from work experience] Mekhanizatsiia i avtomatizatsiia na leningradskikh predpriiatiiakh; iz opyta raboty. Leningrad, Lenizdat, 1964. 170 p. (MIRA 18:4)

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1. Iz kafedry fakul'tetskoy terapii (zav.-prof. D.G.Oystrakh) Astrakhanskogo meditsinskogo instituta.
(TISSUE EXTRACTS) (RETICULO-ENDOTHELIAL SYSTEM)

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[Manual on the supply of moisture available to basic farm crops in the Ukraine] Spravochnik po zapasam produktivnoi vlagi pod osnovnym sel'skokhozyaystvennymi kul'turami na Ukraine. Kiev, Gossel'khozizdat USSR, 1963. 547 p. (MIRA 16:12)

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MYASNIKOV, A.A., kand.tekhn.nauk; CHERVYAK, I.O., gornyy inzh.;
BORONIN, Yu.B., gornyy tekhnik

Investigating the aerodynamic resistance of workings in hydraulic mines. Ugol' ukr. 6 no.11:25-26 N '62. (MIRA 15:12)

1. Vostochnyy nauchno-issledovatel'skiy institut po bezopasnosti rabot v gornoy promyshlennosti.
(Hydraulic mining)

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[Laboratory manual for the course "Metal cutting and cutting tools."] Rukovodstvo k laboratornym rabotam po kursu "Rezanie metallov i rezhushchii instrument." Pod red. B.E.Brushteina. Moskva, Gos. izd-vo obor. promyshl., 1957. 91 p. (MIRA 10:1)

(Metal cutting) (Cutting tools)

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CHERVYAKOV, A. G.

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Krivoukhov, Vasiliy Aleksandrovich, Boris Yefimovich Brushteyn, Sergey Vasil'yevich Yegorov, Arkadiy Grigor'yevich Chervyakov, Nikolay Alekseyevich Chelobov (Deceased), Mikhail Antonovich Myakishev, Vladimir Georgiyevich Bovin, Petr Grigor'yevich Petrukha, and Petr Dmitriyevich Bespakhotnyy

Obrabotka metallov rezaniyem (Metal Cutting) Moscow, Oborongiz, 1958. 627 p. 20,000 copies printed.

Reviewer: Klushin, M.I.; Ed. (Title page): Krivoukhov, V.A.; Ed. (Inside book): Arshinov, V.A., Candidate of Technical Sciences, Docent; Ed. of Publishing House: Suvorova, I.A.; Tech. Ed.: Rozhin, V.P.; Managing Ed.: Sokolov, A.I., Engineer.

PURPOSE: This textbook is for aeronautical vuzes giving a course on metal cutting.

COVERAGE: The book discusses in a concise form the physical fundamentals of metal-cutting processes using various types of tools and emphasizing the special features required for the aviation industry. A description and the basic designs of standard metal-cut-

Card 1/15

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ting tools are presented and their construction, mechanisms and automation are examined. In compiling the book results of investigations carried out in scientific research institutes of the machine-building industry and data from foreign literature were used. There are 66 references, all Soviet. No personalities are mentioned.

TABLE OF CONTENTS:

Introduction 3

SECTION I. METAL CUTTING

Ch. I. Basic Concepts of Elements and Geometry of Turning Cutting [Single-Point] Tools 5
1. Elements of the turning cutting tool 5
2. Surfaces and planes of coordinates for determining the angles of a cutting tool 7
3. Angles of the cutting tool 8
4. Purpose of tool angles 9

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

Ch. II. Elements of Cutting in Turning 15
5. Elements of the cutting regime 16
6. Geometry of the removed layer of material in turning 18

Ch. III. Materials Used for Making Cutting Tools 21
7. General information on tool materials 21
8. Carbon tool steels 22
9. Alloyed tool steels 22
10. High-speed steels 23
11. Carbide alloys 24
12. Ceramic tool materials 26

Ch. IV. Physical Bases of the Metal-cutting Process 27
13. Physical phenomena in metal cutting 27
14. Mechanism of the deformation process 29
15. Chip forming and types of chips 34
16. Heap forming in the cutting process 40
17. Evaluation of plastic deformation in the removed layer of metal and the deforming force 42
18. Deformation under a machined surface and state of the surface layer of metal in cutting 49

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

19. System of forces in the cutting process and equation for work of cutting 53
20. Thermal phenomena in metal cutting 55
21. Methods of measuring the temperature of cutting 58
22. Effect of various factors on the temperature of cutting 62
23. Effect of lubricating coolants on the cutting process 64
24. Vibrations in metal cutting 66

Ch. V. Resistance to Cutting in Turning 68
25. Cutting forces in turning 68
26. Equipment for measurement of cutting forces 72
27. Effect of various factors on cutting forces in turning 80
28. Formulas for computation of cutting forces 86
29. Wear of cutting tools 87

Ch. VI. Cutting Speed Permitted by the Cutting Properties of Cutting Tools 92
30. Effect of various factors on cutting speed permitted by cutting tools 92
31. The general form of the equation for determining the cutting speed permitted by a cutting tool 103
32. Smoothness of the machined surface 104

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

33. Ways for increasing the productivity in turning 106
34. Determining the elements of cutting regimes for work on lathes 110

Ch. VII. Planing, Shaping and Slotting 111
35. Elements of the cutting regime in planing and shaping 112
36. Forces acting in planing, shaping and slotting 113
37. Finish planing and shaping 114
38. Determining the elements of cutting regimes in planing and shaping 115

Ch. VIII. Drilling 116
39. Parts and elements of a twist drill 117
40. Geometric elements of a twist drill 118
41. Elements of the cutting regime in drilling 121
42. The chip forming process in drilling 123
43. Forces acting in drilling 124
44. Effect of various factors on torque and axial force 126
45. Wear of drills and dulling criterion 128
46. Effect of various factors on cutting speed in drilling 129
47. Determining elements of cutting regime in drilling 133

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

76. Tools for high-speed turning 197
77. Vibration dampers 201
78. Form cutting tools 202
79. Block-type cutters 209
80. Special cutting tools 210
81. Planing, shaping and slotting cutting tools 211

Ch. XIII. Drills 214
82. Gun drills 214
83. Twist drills 218
84. Core drills 220
85. Carbide [tipped] drills 222

Ch. XIV. Countersinks 223
86. Twist countersinks 223
87. Countersinks for blind holes 224
88. Built-up countersinks 225
89. Carbide [tipped] countersinks 226

Ch. XV. Reamers 226
90. Construction of reamers

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

108. Side milling cutters 259
109. Angle milling cutters 261
110. Formed milling cutters 263

Ch. XVIII. Toothed Gear Cutting Tools 264
111. Disc and end gear milling cutters 265
112. Gear hobs 267
113. Spline hobs 276
114. Generating rack cutter 281
115. Generating gear cutter 287
116. Tools for bevel gear generation 295
117. Rotary shaving cutters 296

Ch. XIX. Thread Cutting Tools 299
118. Single-point tools and chasers 299
119. Thread milling cutters 303
120. Taps 305
121. Tolerances for tap threads 310
122. Threading dies 311
123. Threading die heads 312
124. High-speed threading die heads [with inserted carbide blades] 315

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

125. Flat and cylindrical thread rolling dies 318

Ch. XX. Special Methods for Hardening Cutting Tools 320
126. Chromium plating 320
127. Cyaniding 321
128. Electroerosion surface hardening 322

SECTION III. METAL CUTTING MACHINE TOOLS

Ch. XXI. General Information on Machine Tools 324
129. Classification and numbering of machine tools 324
130. Motions in machine tools and kinematic diagrams 328
131. Machine tool drives 331
132. R.P.M. series of spindles 333
133. Graphic-analytical method for the kinematic calculation of gear boxes 336
134. Determination of number of teeth of gears in gear boxes 338

Ch. XXII. Lathes 339
135. Model 1A62 screw cutting lathe 340
136. Setting up lathes for various operations 350

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

137. Copying devices 354
138. Model 1K62 screw cutting lathe 358
139. Model 1M36 turret lathe 363
140. Model 1365 turret lathe 368
141. Model 1336M turret lathe 371
142. Model 1136 automatic turret lathe 375
143. Design of tooling setup and cams for single-spindle model 1136 automatic lathe 385
144. Model 1290 four-spindle automatic lathe 392
145. Model 1290 multiple-tool semi-automatic lathe 400
146. Model 1722 copying semi-automatic lathe 404
147. Model MK54 vertical type two-spindle copying semi-automatic lathe 407

Ch. XXIII. Drilling Machines 412
148. Vertical single-spindle drilling machines 413
149. Radial-drilling machines 418
150. Drilling and boring machines 422
151. Jig boring machine
152. Multiple-spindle drilling machines 430

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

Ch. XXIV. Milling Machines 433
153. Knee-and-column milling machines 433
154. Copying milling machines 453
155. Plane-milling machine 472
156. Continuous milling machines 475
157. Column-type milling machines 481

Ch. XXV. Planing, Shaping, Slotting and Broaching Machines 483
158. Planing machines 483
159. Shaping machines 485
160. Slotting machines 490
161. Broaching machines 491

Ch. XXVI. Thread Cutting Machines 495
162. General information 495
163. Model 561 universal thread milling machine 495
164. Model 5964 thread rolling machine 502
165. Model 5962 thread rolling machine 505

Ch. XXVII. Grinding Machines 506
166. Purpose and classification of grinders 506

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

SOV/1301

Metal Cutting

167. Model 3153P high-speed cylindrical grinder 508
168. Surface grinders 515
169. Model 383 vertical, single-spindle honing machine 523
170. Model KhSh116 semi-automatic contour grinder 526

Ch. XXVIII. Gear Cutting Machines 531
171. Model 5A12 generating gear shaper 532
172. Model 5B32 gear hobbing machine 539
173. High-productivity methods of cutting spur gears 549
174. Model 526 gear planer for straight bevel gear cutting 552
175. Model 528 for cutting spiral gears 567
176. Model 5832 gear grinding machines 575
177. Gear finishing machines 580

Ch. XXIX. Automation of Gear Cutting Machines 585
178. Unit head machines 585
179. Type A291-306 automated line 594
180. Type 2A795-2A799 automated line 597
181. Automated plant for automobile pistons 599
182. Program control of metal cutting machine tools 602

Card 14/15

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

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Metal Cutting SOV/1301

Ch. XXX. Modernization of Machine Tools 611

Bibliography 620

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COVERAGE: Basic conditions for improving the machinability of heat-resistant and titanium alloys are examined. Results of investigations on the effect of various factors (e.g., tool geometry, single-point tool wear, cutting regimes, lubricating coolants, heat treatment) on the machinability of alloys are presented. Recommendations are given for the selection of rational cutting regimes, effective lubricating coolants, and preliminary heat treatment. No personalities are mentioned. There are 91 references: 61 Soviet, and 30 English.

TABLE OF CONTENTS [Abridged]:

Ch. I. General Concepts on Heat-Resistant and Titanium Alloys 3

Ch. II. Deformation of Metal in the Removed Layer 12

Ch. III. Soviet and Non-Soviet Practices in Machining Heat-Resistant and Titanium Alloys 35

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

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YEGOROV, Sergey Vasil'yevich, kand. tekhn.nauk, dots.; CHERVYAKOV, Arkadiy Grigor'yevich, kand. tekhn. nauk, dots. Prinimal uchastiye BESPAKHOTNYY, P.D., kand. tekhn. nauk; SMIRNOV, B.V., red.

[Metal cutting and metal-cutting tools; laboratory work] Rezanie metallov i rezhushchii instrument; laboratornyi praktikum. Moskva, Gos.izd-vo "Vysshaia shkola," 1963. 196 p. (MIRA 17:4)

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CHERVYAKOV, A. I.

23285. Ratsional'noye Ograzhdeniye Dlya Psikhrometrov. Tekstil. Prom - St', 1949, No. 6, c. 39-40

SO: LETOPIS' NO. 31, 1949

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CHERVYAKOV, A. N.

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9

PROCESSES AND PROPERTIES INDEX

The cutting properties of tool steels. A. Chervyakov. *Vestnik Metalloprom.* 18, No. 3, 71 (1938); *Chem. Zentr.* 1938, II, 3598. Fifteen different high speed steels were investigated as to their cutting speed and their ability to hold an edge. Heat-treatment, fine structure, and hardness are also reported. In the cutting tests, the performance of a steel contg. 0.50% C, 4.25% Cr, 17.91% W, and 0.26% V during 20 min. cutting on 4 different steels was taken as a standard. The performance of this steel was excelled only by that of two Cr-W-Co steels, one contg. 0.65% C, 4.54% Cr, 18% W, 1% V, 10.2% Co, and 0.6% Mo and the other contg. 0.74% C, 4.53% Cr, 17.42% W, 0.91% V, 14.4% Co, and 0.6% Mo. The 2nd steel gave the best performance. The highest values of output with this steel were obtained when the cutting was deep (thick turnings). The hardening temp. of the Co steels was 1200–1340°; the annealing temp., 580°. These steels having a martensite structure permeated with carbide possessed a Rockwell hardness of 63.5–66.5. M. G. M.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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CHERVYAKOV, A.N.

METHOD FOR THE GRAPHICAL DETERMINATION OF THE CRITICAL POINTS OF STEEL FROM DIFFERENTIAL DILATOMETRIC CURVES. AN Chervyakov and BM Rosenblum. Zavodskaya Laboratoriya 1949, vol. 15, No, pp 610-612. In Russian. A geometrical method of examining differential dilatometric curves is proposed. In this method the curve is transposed into an oblique angle system of coordinates. The abscissae have the direction of the displacment of the light spot along the photographic plate when the standard specimen along the photographic plate when the standard speciment alone in the upper quartz tuve of the dilatometer acts on the prism (or mirror) Similarly the direction of the ordinate corresponds to that of the movement of the light spot during the action on the same prism (or mirror) of the specimen under test alone in the lower quartz tube of the dilatometer. Curves of this type are shown to be cmable of giving accurate values for the critical points of steels.

ASE-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, A. N.

CHERVYAKOV, A.N.; MIRKIN, I.L., doktor tekhnicheskikh nauk, professor, redaktor; SHAROPIN, V.D., redaktor; ATTOPOVICH, M.K., tekhnicheskiy redaktor.

[Metallographic identification of impurities in steel] Metallograficheskoe opredelenie vkliuchenii v stali. Pod red. I.L.Mirkina. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1953. 116 p. (MLRA 7:8)
(Steel--Metallography)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

Micrographic investigation of steel in a magnetic field

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, Aleksandr Nikolayevich; KISELEVA, Sof'ya Aleksandrovna; RYL'NIKOVA, Alla Grigor'yevna; FOMIN, N.V., red.; BERLIN, Ye.N., red. izd-va; VAYNSHTEYN, Ye.B., tekhn. red.

[Metallographic determination of inclusions in steel] Metallograficheskoe opredelenie vkliuchenii v stali. Izd.2., perer. i dop. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1962. 248 p. (MIRA 15:2)
(Steel—Defects) (Metallography)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, A. P. --

"The Effect of the Temperature of Postharvesting Maturation of Tomatoes on The Varietal Quality of the Seeds." Cand Biol Sci, Belorussian State U imeni V. I. Lenin, 26 Oct 54) (SB, 16 Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

Cherryakov, A.P.

S/129/60/000/06/019/022
E073/E535

AUTHOR: Mints, R. I., Candidate of Technical Sciences

TITLE: All Union Scientific-Technical Seminar on Improving the Cavitation Resistance of Components, Sverdlovsk

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov, 1960, Nr 6, pp 58-60 (USSR)

ABSTRACT: The seminar was held at the initiative of the Problems Laboratory for Metallurgy at the Ural Polytechnical Institute imeni S. M. Kirov jointly with other organizations. In the seminar representatives of research establishments and works from Sverdlovsk, Perm', Chelyabinsk, Barnaul, Gor'kiy, Odessa, Leningrad, Yerevan, Murmansk, Khar'kov and other places participated. This report gives brief summaries of the following papers which were read:
G. D. Ter-Akopov, Candidate of Technical Sciences, "Cavitation failures in hydraulic turbines";
L. I. Ponarskiy, Engineer, "Cavitation in hydraulic turbines"; M. I. Kurasevich, Engineer, "Cavitation failures in runners of centrifugal pumps"; Marinin, A.A., Engineer, "Cavitation failures in marine propellers";

Card 1/2

N. N. Ivanchenko, Candidate of Technical Sciences, "Cavitation failures in diesel engines"; A.P.Cherryakov, Engineer, "Increase of the cavitation-erosion stability of jacket and cylinder liners of the diesel engines D6 and D12"; I.N. Bogachev, Doctor of Technical Sciences, "Mechanism of the cavitation failure of metallic alloys and principle for the selection of such alloys";
R.I. Mints, Candidate of Technical Sciences, "Combatting cavitation failure by using surface-active additions to the liquid phase of closed systems"; R.Sh. Shklyar, Candidate of Technical Sciences, D.D.Slyusarova, Engineer, and N.M.Syutkin, Engineer, "Structural changes in the initial stages of cavitation failure"; T.M.Petukhova, Engineer, "Influence of the structure on the resistance to cavitation of bronze"; V.V.Gavrenek, Candidate of Technical Sciences and D.N. Bol'shutkin, Engineer, "Cavitation erosion of metals, thermal and mechanical effects in the cavitation zone".

Card 2/2

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, D.K., prof.; TSAREV, S.G., dotsent; KREPYSHEV, Ye.M., dotsent; LOKTIONOV, V.N., mladshiy nauchnyy sotrudnik

Effect of chloracetophos, thiophos, and chlorophos on the development of the larvae of the warble fly in cattle. Uch. zap. KVI 89:117-130 '62.

Use of phosphorus organic preparations for the treatment of trichophytosis in animals. Ibid.:131-139

(MIRA 18:8)

1. Laboratoriya khimioterapii (zav. - prof. D.K.Chervyakov) Kazanskogo veterinarnogo instituta.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, D.K., prof.; VISHKER, A.S., dotsent

Basis for the use of medicinal substances in rumen diseases. Veterinariia 40 no.3:30-35 Mr '63. (MIRA 17:1)

1. Kazanskiy veterinarnyy institut.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

Name: CHERVYAKOV, Dmitriy Kirillovich

Dissertation: Study of the Medicinal Plants of Buryat-Mongolia used in Gastro-Intestinal Diseases

Degree: Doc Vet Sci

Affiliation: Buryat-Mongol Zoovet Acad

Defense Date, Place: 18 May 56, Council of Moscow Vet Acad

Certification Date: 17 Nov 56

Source: BMVO 6/57

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, F. I.

7681. CHERVYAKOV, F. I. -- Katalog detaley shveynykh mashin 34 klassa I klassa 34A Podol'skogo mekhanicheskogozavoda i meni M. I. kalinina. M, Gizlegprom, 1954.86, (6) s. s. ill. 2 L. chert. 20 sm. (M-Vo. Tovarov shipokogo potrebleniya. SSSR. Tekhn. upr. otd. tekhn. informatsii) 1.500 ekz. bespl. na oborote tit. L. sost: F. I. Cheruyakov. -- (55-4208)

685.31.05(085)

SO: Knizhnaya Letopsis', Vol. 7, 1955

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, Fedor Ivanovich; SUMAROKOV, Nikolay Vasil'yevich; RUSAKOV, S.I., kand.tekhn.nauk, retsenzent; MARAKUSHEV, Ye.A., kand.tekhn.nauk, red.; KOCHETOVA, G.F., nauchnyy red.; EL'KIND, V.D., tekhn.red.

[Sewing machines] Shveinye mashiny. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 270 p. (MIRA 11:5)
(Sewing machines)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, F.I. (Podol'sk)

What causes the untwisting of the upper thread on sewing machines. Shvein. prom. no.5:24-30 S-O '60. (MIRA 13:12)
(Sewing machines)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, Fedor Ivanovich; KURSKAYA, Yevgeniya Petrovna; BYKASOVA, G.I., inzh., red.; VASIL'YEV, Yu.A., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Trends in the design of new sewing machines; experience of the Podol'sk Machinery Plant named after Kalinin] Napravlenie v konstruirovanii novykh shveinykh mashin; opyt Podol'skogo mekhanicheskogo zavoda im. Kalinina. Stenogramma lektsii, prochitannoi v LDNTP na seminare dlia rabotnikov shveinoi promyshlennosti. Leningrad, 1961. 43 p. (MIRA 15:3)
(Leningrad--Sewing machines)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, Fedor Ivanovich; SUMAROKOV, Nikolay Vasil'yevich; RUSAKOV, S.I., kand. tekhn. nauk, retsenzent; TOIROVA, A.L., red. izd-va; CHERNOVA, Z.I., tekhn. red.; UVAROVA, A.F., tekhn. red.

[Sewing machines] Shveinye mashiny. 2. izd. perer. i dop. Moskva, Mashgiz, 1962. 467 p. (MIRA 15:3)
(Sewing machines)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, F.I. (Podol'sk)

Comparative testing of right- and left-hand twist yarn. Shvein. prom. no.1:15-16 Ja-F '62. (MIRA 15:4)
(Yarn—Testing)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

KOMISSAROV, A.I., kand. tekhn. nauk, dotsent; STOROZHEV, V.V., assistent; CHERVYAKOV, F.I., aspirant

Effect of the structure of thread interlacing on the quality of the shuttle stitch. Nauch. trudy MTILP no.27:198-204 '63. (MIRA 17:11)

1. Kafedra machin i apparatov Moskovskogo tekhnologicheskogo instituta legkoy promyshlennosti.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, F.Ya.; RYBARZH, A.A. [deceased] redaktor; ASTAKHOV, A.V., redaktor; KUROVENKOVA, Z.A., tekhnicheskiy redaktor.

[Choice of steel for mining machinery parts and their heat treatment] Vybor stali dlia detalei gornykh mashin i ikh termicheskaia obrabotka. Moskva, Uglietekhizdat, 1954. 283 p. (MLRA 8:1)
(Steel--Heat treatment) (Mining machinery)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

S/129/60/000/012/011/013
E193/E283

AUTHOR: Chervyakov, F. Ya., Engineer

TITLE: Modernised Heat-Treatment Technology at the "Krasnyy proletariy" Plant

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov, 1960, No. 12, pp. 49-52

TEXT: In connection with plans for serial production of the machine 1K62 need has arisen to reorganize the existing heat-treatment shop at the "Krasnyy proletariy" Plant, which produces a wide range of machine tools. The present article describes the changes already introduced and those planned for the immediate future. The main characteristic of the new organization is decentrallization of the complex of the heat-treatment operations. Components for internal needs will be heat-treated in a special shop which is nearing completion. Equipment for heat-treatment of large components of the 1K62 model will constitute an integrated part of the general production line. Medium and small size components and machine parts will be heat-treated in a new heat-treatment shop, equipped with modern, high-productivity equipment. Automation and

Card 1/2

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

S/129/60/000/012/011/013
E193/E283

Modernised Heat-Treatment Technology at the "Krasnyy proletariy" Plant

mechanization is being used whenever possible. As a result of these changes, the quality of heat treatment has improved, production costs have been reduced (2.9 man-hours being now required to heat-treat all the components of one 1K62 machine, as compared with 5.27 man-hours needed in the past), and the productivity of the shop has increased from 75 to 150 t/operative/year. The article is illustrated by a table, listing all the heat-treatment processes, the equipment used, weight of the components heat-treated, the capacity of the equipment, and labour requirements.

ASSOCIATION: Institut "Giprostanok" ("Giprostanok" Institute)

Card 2/2

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, I. I.

Kirpichnaia kladka operatsionnoraschlenennym metodom [Bricklaying by the method of individual operations]. Moskva, Transzheldorizdat, 1952 48 p.

SO: Monthly List of Russian Accessions Vol. 6 No. 7 October 1953

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, I.V.

CHERVYAKOV, I.V., Cand Med Sci--(disp) "Dynamics of ~~[illegible]~~ capillaroscopy, skin thermometry, and chronaxymetry (data) in ~~various~~ varicose dilatation of the veins of the lower extremities." Len, 1958. 1[illegible] pp (Min of Health RSFSR. Len Sanitary Hygiene Med Inst), 200 copies (KL,44-58,126)

- 85 -

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, I.V.

Dynamics of capillaroscopic data in varicose veins of the lower extremities. Trudy LSGMI 39:246-254 '58. (MIRA 12:8)

1. Kafedra obshchey khirurgii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav.kafedroy - prof.I.M.Tal'man).
(VARICOSE VEINS, physiol.
capillaroscopy (Rus))

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

EXCERPTA MEDICA Sec 17 Vol 5/7 Public Health July 59

2040. VARICES IN COUNTRY WORKERS ASSESSED BY A MASS EXAMINATION (Russian text) - Chervyakov I. V. - VESTN. KHIR. 1958, 81/8 (69-71) Tables 1

Of 1,262 persons examined (362 men and 900 women), 222 individuals showed a varicose dilatation of a lower extremity vein (17.6%). Women showed a higher incidence (21.7%) than men (7.1%); this was attributed to gestation and labour. Sixty-three per cent of the patients already had this ailment at the age of 30-40. Twenty per cent complained of pain, cramp and inability to stand or walk for a long time. Ulcerated varices were noted in 12.6%. Multiple extensive ulcers were found only in one patient. (XVII, 9)

* aspirant (Leningrad, Degtyarnyy per. d. 6. kv. 14)

Iz kafedry obshchey khirurgii, leningradskogo sanitarno-gigiyecheskogo instituta.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, I.V., kand. med. nauk (Leningrad, Degtyarnyy pereulok, d.6,kv.14)

Determination of the patency of deep veins in the lower extremities. Vest. Khir. 91 no.12:89-90 D '63. (MIRA 17:9)

1. Iz 2-y kafedry obshchey khirurgii (zav.- prof. A.Ya. Ivanov) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

ARTEM'YEV, Yevgeniy Ivanovich; CHERVYAKOV, Igor' Vasil'yevich; SERGEYEV, Yu.D., red.

[Organization of the patent system in the United States] Organizatsiia patentnogo dela v SShA. Moskva, TSentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issledovanii, 1963. 26 p. (MIRA 17:9)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, I.V., kand. med. nauk

Changes in the subcutaneous veins of the lower extremities in varix. Vest. khir. 93 no.11:93-95 N '64.
(MIRA 18:6)

1. Iz 2-y kliniki obshchey khirurgii (zav. - prof. A.Ya. Ivanov) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

1. CHERVYAKOV, L.

2. USSR (600)

4. Hot Air Heating

7. Hot-air Furnace for swine houses. Sel'.stroi. 7 no. 5 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

GARMASHEV, D.L., kand. tekhn. nauk; CHERVYAKOV, M.M., inzh.

Use of fitted bolts for fastening ship machinery on their foundation beds. Sudostroenie 25 no.10:39-42 O '59. (MIRA 13:2)
(Marine engineering--Equipment and supplies)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000308720005-6

CHERVYAKOV, M.P.

54. New Method Used by Sanitary Epidemiology Detachments for Diagnosis of Dysentery

"Experimental Laboratory Work of the Bacteriological Division of a Sanitary Epidemiological Detachment (Sanepidotryad)," by Lt Col Med Serv M. P. Chervyakov, Voyenno-Meditsinskiy Zhurnal, No 4, Apr 57, pp 67-70

This work traces the development of bacteriological methods of dysentery detection in military establishments between 1948 and 1955 and the training of personnel in these methods.

In 1955, a method developed by D. G. Manolov (ZhMEI, No 3, 55) was introduced which enabled personnel to produce diagnoses within 48 hours. In the presence of nonagglutinating cultures, final results are obtained from a study of combinations of characteristics, such as relation to lactose and manitol; motility; the positive agglutination reactions with different dysentery sera; and the effects of heating cultures. This new method does not lower the quality of the investigative work, but it reduces the amount of work considerably.

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Careful planning of the bacteriological work played a large part in the effectiveness of dysentery prophylaxis by the SEO (Sanitary Epidemiological Detachment).

"A new nutrient medium containing 30 percent bile bouillon relieves personnel of the necessity of transferring material from collecting to accumulating media which, after 10 hours in the thermostat, produced a good growth. The material taken from the patient can now be transferred immediately to the accumulating medium.

Two tables show results obtained with the new method between 1948 and 1955. (U)

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