"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL, Jiri; NIKODYM, Blahoslav

Oscillometry by means of Q meter BM 211. Sbor VSChT Pardubice Pt.2:69-73 '63.

1. Chair of Inorganic Technology, Higher School of Chemical Technology, Pardubice.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL, Jiri; VONSOVSKA, Bohumila

Contribution to the evaluation of pyrolusite as a depolarizer. Sbor VSChT Pardubice Pt.2:75-80 '63.

1. Chair of Inorganic Chemistry, Higher School of Chemical Technology, Pardubice.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL, Jiri

"Molecular science and molecular engineering" by A.R. von Hippel. Reviewed by Jiri Myl. Chem prum 14 no.7:394 Jl '64.

1. Higher School of Chemical Technology, Pardubice.

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CA

9

The dependence of the quality of open-hearth steel o melting conditions. V. I. Karamzin and S. N. Mylk *Teoriya Prakt. Met.* **1930**, No. 1, 28-34; *Khim. Refer Zhur.* **1930**, No. 8, 74.—The tech. process of the ope hearth melting for locomotive construction was inves gated. The optimum process is characterized first by n energetic boiling which dies down gradually. Dur g the hot boiling process Mn decreases gradually or rema is const. (0.25-0.30%), while decarburization is intens When C is rapidly burned by a superoxidized slag, a la ge amt. of burning of the oxidizers is observed and the m tal is contaminated. Slow boiling with a dense active lag gives metal that is dense and contains an increased am of gases and admixts. The melting process is slow, s the productivity of the furnaces is low. On slow boili g at the beginning and a very rapid boiling at the end of melting, the bath is satd. with FeO, analyses are difficult, a large amt. of oxidizers is burned, and the metal contains gases and is contaminated otherwise. For all grades of steels it is recommended to control the fluidity of the metal with Sims viscometer.

W. R. Hean

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLKO, S. N.

USSR/Metals - Steel, Casting Oct 51

"Ingot Molds Made of Steel Poured Into Metal Molds," V. I. Ivanov, S. N. Mylko, Engineers, Voroshilovgrad Locomotive Bldg Plant

"Litey Proizvod" No 10, pp 9-11

Discusses application of steel as material for molds, used in making ingots intended for subsequent rolling or forging, and describes experience of Voroshilovgrad Plant in this respect. Emphasizes economical effect of such substitution. Data of other plants show 3-10 time increase in life of steel-ingot molds over cast-iron molds.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLKO, S. N.

Technological aspects of making steel for castings in basic open-hearth furnaces. S. N. Mylko. *Liteinoe Proizvodstvo* 1962, No. 10, 2-6.—Detailed description is given of the practice used in a foundry making locomotive castings. Cold metal practice is used here; a 34% iron charge to which 9-10 kg. of anthracite is added per ton of charge is used as a carburizer. Limestone, added with the charge, runs 7-9%, and 30-40% of the first slag are drained. The bottom is repaired every 50 heats. Heats melting under 0.60% C are diverted, and all efforts are concd. on maintaining a high t° throughout the heat. Influence of individual factors on product quality is examd. I. D. Gat

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLKO, S.N.; VIDISHEV, V.E.

[Experience in high-speed steel production; from work practice of the Voroshilovgrad Locomotive Works] Praktika skorostnogo stalevareniia; iz opyta Voroshilovgradskogo parovozostroitel'nogo zavoda. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit.lit-ry, 1953. 62 p. (MLRA 6:12)
(Voroshilovgrad--Steel) (Steel--Voroshilovgrad)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

1. MYLKO, S. N., Eng.; RUBASHIN, F. F.

2. USSR (600)

4. Springs (Mechanism)

7. Pneumatic bending and tempering machine for non-continuous operation. Mekh. trud. rab. 7, No. 4, 1953.

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

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

Mylko, S. N.

6000

1. Mechanical Properties of Ba[illegible] S. I. Lovin, S. N. Mylko and [illegible] (Liteinoe Proizvodstvo, [illegible]). [illegible] In view of an experimental investi[illegible] conditions on the properties, [illegible] carbon steel. The steel was [illegible] in the furnace, and with 45% [illegible] the ladle. Frequency curves fo[illegible] and developing hot cracks an[illegible] factors: Ferrous oxide content [illegible] sulphur in the finished steel; slag [illegible] of carbon during the boil; carb[illegible] of iron ore added during melti[illegible] fluidity; duration of charging [illegible] Correlation coefficients for the [illegible] bilities factors on the mechan[illegible] given. — S. S.

2. Open-Hearth Carbon Steel. [illegible] F. P. Kuzmenkov. (Liteinoe [illegible]). — An account [illegible] tion on the effects of casting [illegible] cially the not-shortness of [illegible] alized with ferromanganese [illegible] ro silicon and aluminium in [illegible] groups of castings from [illegible] compared for the following [illegible] of final slag; manganese/sul[illegible] basicity; rate of burning out [illegible] content of steel; quantity [illegible] sulphur in the steel; slag [illegible] and duration of melting. [illegible] equivalent effects of these and [illegible] properties of castings are

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLKO, S.N., kandidat tekhnicheskikh nauk; RUBASHIN, F.F.; POLYAKOV, Ya.G., inzhener, redaktor; TIKHONOV, A.Ya., tekhnicheskiy redaktor.

[Stamping rollers for S-80 tractors from cast ingots] Shtampovka rolikov traktora S-80 iz litykh zagotovok. Moskva, Gos.nauchn.-tekhn. izdvo mashinostroit. i sudostroit. lit-ry, 1954. 14 p. (Moscow, Vsesoiuznyi proektno-tekhnologicheskii institut. Obmen tekhnicheskim opytom, no.12) (MLRA 9:8)

(Tractors) (Forging)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLKO, S. M.

85(1) PHASE I BOOK EXPLOITATION SOV/1745

Mashino-tekhnicheskaya obshchestvo [illegible] pramyshlennosti. Kiyevskaya oblastnaya upravleniye

Perednyaya tekhnologiya liteynogo proizvodstva (Advanced Technology of Casting Production) Kiyev, Mashgiz, 1958. 152 p. 6,000 copies printed.

Ed.: V. I. Serdyuk; Tech. Ed.: Th. V. Rabinovich; Editorial Board: A. Th. Artemenko, E. I. Vodolazskiy (Resp. Ed.), S. Sh. Ralavskiy, and B. V. Suldyk; Chief Ed. (Machinery Division, Mashgiz): V. E. Sorokin, Engineer.

PURPOSE: This book is intended for engineering personnel of foundries, and workers of scientific research institutions.

COVERAGE: This book is a collection of articles and papers given by representatives of plants, scientific-research institutes, and vuzes on problems of advanced methods of production and mechanization of the foundry industry at a conference organized by the Kiyev oblast Board of NTO (Scientific Engineering Section) of the machine-building industry and the Institute of Mechanical Engineering of the Academy of Science, Ukrainian SSR. [illegible] given in centrifugal pipe precision investment [illegible] molding, use of materials preventing [illegible] [illegible]tures [blends], and problems of mechanization [illegible] processes are covered in this book. In articles by [illegible] a new cast iron welding method developed by the [illegible] of electrowelder G. A. Pirozhenko, and called "[illegible] cast iron by means of a metal electrode with an indirect [illegible] title indicates, the arc acts only indirectly on the [illegible] between the electrode and the build-up metal. Such [illegible] fusion of the cast iron. The formation of a composite surface layer is either absent or limited to a very thin layer of not more than 0.2 mm., making for easy mechanical working. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

[illegible] Production (Cont.) SOV/1745

Syuzyev, B. I., Engineer. Use of Permanent Molds in the Casting of Steel 47

Vasil'yev, E. A., Engineer. Cast-welded Constructions 55

Romanova, S. E., Engineer. Mechanical Molding of Large Steel Castings 59

Gavilov, V. S., Engineer. Bottom-stack Flaskless Casting 65

Sychova, V. V., Engineer. Use of Chromite as an Anti-sticking Agent in Casting of Large-sectioned Steel and Cast Iron 72

Mylko, S. M., Candidate of Technical Sciences. Casting in Quick-drying Molds 76

Rabinovich, B. V., Candidate of Technical Sciences, Engineer, and O. I. Bobryshev, Engineer. Results of Investigation and Introduction of Throttle Casting Systems in Mass Production. 87

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLKO, S.N

PHASE I BOOK EXPLOITATION 549

Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Liteynaya sektsiya

Uluchsheniye kachestva stal'nykh otlivok; trudy Vsesoyuznogo soveshchaniya (Improving the Quality of Steel Castings; Transaction of the All-Union Conference) Moscow, Mashgiz, 1958. 214 p. 4,500 copies printed.

Eds.: Klauzen, A.I., Engineer; and Silayev, A.F., Candidate of Technical Sciences. Ed. of Publishing House: Manakin, N.V.; Tech. Ed.: Shigin, S.T.; Managing Ed. for literature on heavy machine building (Mashgiz): Golovin, S.Ya.

PURPOSE: This book is intended for engineers, technicians, and scientific workers at research institutes and plants, as well as for students at advanced technical schools.

COVERAGE: The book is a collection of papers presented at a scientific and technical conference on the improvement of the quality of steel

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castings. The conference was organized by the Casting Section of NTOMAShPROM (Scientific and Technical Society of the Machine-Building Industry) in March, 1955. The articles present the results of investigations concerned with the processes of melting, pouring, and solidification, as well as with interaction between mold and casting, heat treatment of steel, and correction of casting defects. For references, see Table of Contents.

TABLE OF CONTENTS:

Silayev, A.F., Candidate of Technical Sciences. Ways of Improving the Quality of Steel Castings 3

The author states that casting rejects at Soviet foundries average 3.5 percent of the total output. Two important causes of this, he says, are outmoded production methods and inadequate supply of proper

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materials and equipment. He points out that the USSR lags behind the USA in mechanization and automation of casting processes. He recommends the speedy adoption of modern, efficient technological methods and, above all, an intensification of research in casting methods.

Berg, P.P., Professor, Doctor of Technical Sciences. Effect of Mold Material on the Quality of Castings 11

The author discusses gas cavities, hot cracks, dimensional accuracy, pick-up, surface quality, and surface alloying in connection with the nature of the mold material.

Borovskiy, Yu. F., Engineer; Gulyayev, B.B., Professor, Doctor of Technical Sciences. Increasing the Surface Smoothness of Castings 19

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Improving the Quality of Steel Castings (Cont.) 549

For cheaply producing smooth-surface castings, the authors recommend the use of two-layer pressed molds or bakelite-bonded shell molds, the supporting layer being made of cheaper, coarser material.

Mylko, S.N., Docent, Candidate of Technical Sciences. Effect of the Oxidizing Capacity of the Bath on the Quality of Steel 23

The authors conclude from experimental data that in making carbon steel for shaped castings without preliminary deoxidation, better mechanical properties are obtained by oxidizing a large proportion of the manganese in the bath, which results in a better distribution of oxide and sulfide inclusions.

In'shakov, N.N., Candidate of Technical Sciences. Comparative Evaluation of the Mechanical Properties of Open-hearth, Bessemer, and Electric Steel 32

The author's investigations lead him to the following conclusions, among others: 1. Acid electric steel, made by the silicon-reduction process, has, in addition to higher ultimate strength, better plastic

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properties – elongation and reduction in area– than basic open-hearth steel. Bessemer steel, with an ultimate strength close to that of basic open-hearth steel, shows less elongation and reduction in area, and these properties vary considerably in individual cases. 2. Increasing the carbon content leads in all cases to an increase in ultimate strength and a decrease in elongation and reduction in area; this effect of carbon is greater in electric steel than in Bessemer steel. 3. In acid electric steel, as compared with open-hearth steel, an increase in the manganese content has a more marked effect in increasing the ultimate strength and yield point and a less pronounced effect in decreasing elongation and reduction in area. Increasing the manganese content in Bessemer steel has a less adverse effect on the plastic properties than in basic open-hearth steel. 4. The common view of Bessemer steel as being necessarily inferior to basic open-hearth steel in its mechanical properties ought to be revised. 5. Acid electric steel is characterized by greater cold shortness than basic open-hearth steel. 6. As regards endurance, there is little difference among the steels investigated.

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Improving the Quality of Steel Castings (Cont.) 549

Druyan, M.A , Engineer. Effect of the Method of Steelmaking on the Mechanical Properties of Steel 49

Of the factors investigated, the most important is the rapid burning-out of carbon in the bath, made possible by high-temperature melting and proper care of the hearth. Other factors are addition of coke to the charge, manner of deoxidizing the molten metal, and the method of desulfurization.

Iodkovskiy, S.A., Engineer. Making Heat-Resistant Austenitic Steel 61

The author concludes from his investigation that the most effective way to make LA-1 steel is to purify the melt under a layer of semi-acid slag.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

Nestertsev, S.P., Candidate of Technical Sciences. Casting Properties of Heat-resistant Austenitic Steel 75

The author's investigation shows, among other things, that molten LA-1 heat-resistant steel possesses greater flowability than the widely-used 30L carbon steel, and that the basic factor determining flowability of LA-1 steel is temperature of the metal during pouring.

Ivanyushin, Ye. P., Engineer; Kulikova, K.N. Selection of Optimum Heat-treating Conditions 86

The following are investigated for their effect on the mechanical properties and microstructure of steel castings: 1) low-temperature annealing and normalization 2) higher-temperature annealing and normalization, with holding at temperature for various periods of time 3) rate of cooling. In addition, the effect of heat-treating conditions on the plastic properties of steel is studied.

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Improving the Quality of Steel Castings (Cont.) 549

Vlasov, V.I., Candidate of Technical Sciences. Effect of Technological Factors on the Quality of Cast Parts 98

Among other things, the author recommends the use of sinkheads to promote slow, even cooling, thus assuring a sound, dense structure of the casting.

Kryanin, I.R., Candidate of Technical Sciences; Babushkina, G.I. Copper Steel for Shaped Castings 109

The use of the newly developed 18DGSL copper-manganese-silicon steel is recommended for the production of strong, light-weight shaped castings. There are 12 references, all Soviet.

Lupyrev, I.I., Engineer; Kononov, D.R., Professor, Doctor of Technical Sciences; Gulyayev, B.B. Prevention of Hot Cracks 125

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

Improving the Quality of Steel Castings (Cont.) 549

The authors discuss methods of preventing hot cracks in castings caused primarily by clinging of the sand mold to the casting as the latter shrinks and by unsatisfactory mechanical properties of the steel at the crystallization temperature. It is recommended that the mold be designed so as to lessen its grip on the casting during shrinkage. This may be accomplished by making the mold more flexible, by maintaining definite distances between flask ribs and projecting parts of the casting, etc. The casting may be strengthened during the solidification period by the use of external coolers and by keeping the sulfur content of the casting below 0.045 percent.

Levando, V.V., Engineer; Kryanin, I.R., Candidate of Technical Sciences.
Structure and Properties of the Metal of Large Castings 133

The authors investigate 20GSL low-alloy manganese-silicon steel as a material for casting massive turbine blades. Such a blade was cast and analyzed to determine the degree of chemical homogeneity and also the macrostructure, microstructure, mechanical properties, and hardness of various sections of the blade. It was found that this

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steel is very well suited for the casting of many types of machine parts where high strength and good plastic properties are required, and also for turbine blades, provided the blade is surfaced with stainless steel to assure cavitation stability.

Gulyayev, B.B., Professor, Doctor of Technical Sciences; Postnov, L.M., Engineer; Zotov, M.V., Engineer. Shrinkage Porosity and Means of Dealing With It. 143

Various types of porosity are discussed, methods of detecting them are explained, and measures for preventing porosity are described.

Some measures involve changes in design, while others are accomplished by improved techniques.

Postnov,L.M. The Effect of Fillet Radii on the Formation of Defects in Junctions 158

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Improving the Quality of Steel Castings (Cont.) 549

The author gives criteria for selecting fillet radii in various cases. There are 3 references, all Soviet.

Goryunov, I.I., Candidate of Technical Sciences. Defects in Investment Castings 165

The following types of defects are discussed: surface defects, porosity, cavities, faulty dimensions, incorrect weight, undesirable metal structure, and unsatisfactory chemical composition and mechanical properties. There are 9 references, all Soviet.

Kosarikov, N.F., Engineer. Rationalization of Technology in Foundries; From the Experience of the "Krasnoye Sormovo" Plant im. A.A. Zhdanov 178

After World War II, the "Krasnoye Sormovo" Plant im. Zhdanov [in Gor'kiy] began assembly-line production of large items, such as steam locomotives, marine engines, etc. The author discusses the

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principal technological improvements thereby necessitated: 1) more precise geometry of castings 2) improved quality of the cast surface 3) a reduction in the number of internal defects discovered in machining 4) more rapid methods of producing castings.

Petran', K.V., Candidate of Technical Sciences. Correction of Defects by Welding 187

The author shows that this method is entirely satisfactory, provided proper materials and techniques are employed. Procedural details are given for the preparation of the defective items for welding and for the actual process of welding-up the defects.

Suslov, V.N., Candidate of Technical Sciences. Automatic Welding-up of Defects in Steel Castings 200

Of several possible methods for the automatic welding-up of casting defects, the author considers arc welding in an atmosphere of carbon dioxide the most promising. There are 6 references, all Soviet.

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SOV/123-59-15-60447

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 15, p 218 (USSR)

AUTHOR: Mylko, S.N.

TITLE: The Effects of the Oxidizing Power of Baths on the Steel Quality

PERIODICAL: V sb.: Uluchsheniye kachestva stal'nykh otlivok. Moscow, Mashgiz, 1958, pp 23 - 31

ABSTRACT: An increase in the FeO content of the slag up to 9 - 10% raises δ and ψ and decreases σ_b and σ_s of 25L-grade steel. A total FeO and MnO content in the slag within the limits of 10 - 25% before the reduction does not show any substantial effect on the strength properties of the 25L grade steel, while the ductility is considerably improved of this total amount is increased. The burning loss of Mn, added for the reduction of the steel, effects the mechanical qualities considerably, that is to say: with a 27% loss σ_b 51 kg/mm^2 and ψ 39.9%; with a 72% loss σ_b 48 kg/mm^2 and ψ 46.4%. The magnitude of δ is increased by 7.4% with a variation of the Mn loss within the given limits. The O_2 content and non-metallic impurities in the steel, smelted with a great Mn-loss, are by 24% lower than those smelted with a low Mn-loss. The C and Mn content is also

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The Effects of the Oxidizing Power of Baths on the Steel Quality

lower in smeltings with a high loss and a decrease in the C content by 0.01% reduces σ_b by 0.4 kg/mm^2, σ_s by 0.3 kg/mm^2, and increases δ by 0.4% and ψ by 1.1%. The Mn-loss grows with an increasing FeO and particularly Fe_2O_3 content in the slag, with a decrease in the temperature of metal and slag during the reduction period and with an increasing concentration of O_2 in the furnace atmosphere during the reduction time. The smelting of carbon steels for section-shaped castings without preliminary reduction results in obtaining higher mechanical properties owing to a better distribution of oxysulfide impurities at the expense of a higher Mn loss.

Ts.I.O.

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MILKO, Sergey Nesterovich; FIRSTOV, Aleksey Nikolayevich; KONASHKO, N.P., otv.red.; TREPLYAKOVA, A.S., red.

[Progressive foundry practices] Progressivnaia tekhnologiia liteinogo proizvodstva. Kiev, 1960. 39 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Ukrainskoi SSR. Ser.7, no.12). (MIRA 14:4)
(Founding)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLKO, Sergey Nesterovich; KOCHERGA, N., red.; LAGUTIN, I., tekhn.red.

[Founding magnesium cast iron] Proizvodstvo otlivok iz magnievogo chuguna. Kiev, Gos.izd-vo tekhn.lit-ry USSR, 1960. 54 p. (MIRA 14:3)
(Iron founding) (Cast iron)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLKO, S.N.

PHASE I BOOK EXPLOITATION SOV/5789

Nauchno-tekhnicheskaya konferentsiya po razvitiyu proizvoditel'nykh sil Kiyevskogo ekonomicheskogo rayona

Goryachaya obrabotka metallov; trudy konferentsii. vyp. 2. (Hot Working of Metals, Transactions of the Scientific Technological Conference on the Development of the Productive Forces of the Kiyev Economic Region. no. 2) Kiyev, Izd-vo AN UkrSSR, 1960. 142 p. 1000 copies printed.

Sponsoring Agency: Akademiya nauk Ukrainskoy SSR. Sovet po izucheniyu proizvoditel'nykh sil UkrSSR. Institut liteynogo proizvodstva. Sovet narodnogo khozyaystva Kiyevskogo ekonomicheskogo rayona. Tekhniko-ekonomicheskiy sovet.

Editorial Board: Resp. Ed.: A.A. Gorshkov, Corresponding Member, Academy of Sciences UkrSSR, B.B. Tsizin, Engineer, and F.A. Novikov, Engineer; Ed. of Publishing House: T.K. Remennik; Tech. Ed.: O.A. Kadashevich.

PURPOSE: This collection of articles is intended for technical personnel in machine plants and planning organizations, scientific workers, and teachers in technical schools of higher education.

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APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

COVERAGE: The book is devoted to problems of the introduction of advanced technology and processing in founding and pressworking. Problems in powder metallurgy are also analyzed. No personalities are mentioned. References accompany some of the articles. There are 56 references, mostly Soviet.

TABLE OF CONTENTS:

Foreword 3

Gorshkov, A.A. [Corresponding Member of the Academy of Sciences UkrSSR; Institute liteynogo proizvodstva AN UkrSSR — Institute of Founding of the Academy of Sciences UkrSSR]. Principal Trends in Improving Foundry Techniques 5

Zharov, N.T. [Candidate of Technical Sciences; Institut avtomatiki Gosplana UkrSSR-Automation Institute of the State Planning Committee of the UkrSSR]. The Present State and Outlook for Automation in Founding 15

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

Fedorchenko, I.M. [Corresponding Member of the Academy of Sciences UkrSSR; Institut metallokeramiki i spetsial'nykh splavov AN UkrSSR—Institute of Powder Metallurgy and Special Alloys of the Academy of Sciences UkrSSR]. The Use of Powdered-Metal Materials in Technology 34

Mylko, S.N. [Candidate of Technical Sciences; GNTK of the Council of Ministers of the UkrSSR]. New Methods of Casting 43

Klyuchnikov, S.I. [Dozent; Vsesoyuznyy nauchno-issledovatel'skiy institut tekhnologii mashinostroyeniya—All-Union Scientific Research Institute of Machine Technology]. Present State and Outlook for Making Precision Forgings 52

Kharchenko, P.F. [Candidate of Economic Sciences; Institut ekonomiki AN UkrSSR-Institute of Economics of the Academy of Sciences UkrSSR]. Economic efficiency of Introducing New Manufacturing Processes in Founding 68

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PETRICHENKO, Aleksey Maksimovich; SUKHODOL'SKAYA, Yelena Alekseyevna; MYLKO, S.N., dotsent, kand.tekhn.nauk, retsenzent; SOROKA, M.S., red.;

[Foundry practice in modern China] Sovremennoe liteinoe proizvodstvo Kitaia. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1960. 198 p. (MIRA 14:1)

1. Glavnyy spetsialist Gosudarstvennogo nauchno-tekhnicheskogo komiteta USSR (for Mylko).
(China--Founding)

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MYLKO, S.N., kand.tekhn.nauk, dotsent, red.; FURER, P.Ya., red.; GORNOSTOYPOL'SKAYA, M.S., tekhn.red.

[Using natural gas in cupola furnaces] Primenenie prirodnogo gaza v vagrankakh. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1961. 58 p. (MIRA 14:7)
(Gas, Natural) (Cupola furnaces)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLKO, Sergey Nesterovich; TARASOVICH, Vasiliy Savvich[Tarasovych, V.S.]; NOVIK, O.M., red.; GUSAROV, K.F.[Husarov, K.F.], tekhn. red.

[New developments in foundry practice in the Ukraine]Nove u lyvarnomu vyrobnytstvi Ukrainy. Kyiv, Derzhtekhvydav URSR, 1962. 31 p. (MIRA 15:11)

(Ukraine—Founding)

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MYLKO, S.N., kand.tekhn.nauk; BYCHKOVA, N.I.

Founding industry in the U.S.A. Mashinostroenie no.1:124-126 Ja-F '62. (MIRA 15:2)

(United States--Founding)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLKO, S.N., kand.tekhn.nauk; SKORODZIYEVSKIY, S.M., inzh.

Semicontinuous pouring of cast iron pipe and cylindrical ingots. Met. i gornorud. prom. no.2:39-41 Mr-Ap '62. (MIRA 15:11)
(Continuous casting) (Pipe, Cast iron)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLKO, S.N., kand.tekhn.nauk; SHEVCHENKO, A.I., inzh.

Reducing the extent of cleaning and fettling operations in founding. Mashinostroenie no.2:42-48 Mr-Ap '62. (MIRA 15:4)
(Founding)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLKO, S.N., kand.tekhn.nauk; SHEVCHENKO, A.I., inzh.

New methods for the cleaning of castings. Mashinostroenie no.3:40-48 My-Je '62. (MIRA 15:7)

(Founding)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLKO, S.N., kand.tekhn.nauk

Present status and future development of the mechanization and automation of founding operations in the Ukraine. Mashinostroenie no.6:51-53 N-D '62. (MIRA 16:2)

1. Kiyevskiy politekhnicheskiy institut.
(Ukraine--Founding) (Automation)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLKO, S. N.; KONASHKO, N. P.

Converter making of steel in foundries. Lit. proizv. no.10:4-7 O '62. (MIRA 15:10)

(Foundries--Equipment and supplies)
(Converters)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLKO, Sergey Nesterovich, kand. tekhn. nauk; GONCHAROV, Ivan Nikolayevich, kand. tekhn. nauk; TARASENKO, Ivan Ivanovich, inzh.; KIMLAT, Zyunya Aronovich, inzh.; INDUTNYY, Yevgeniy Vasil'yevich, inzh.; DOROFEYEV, Yuriy Grigor'yevich, kand. tekhn. nauk; CHUKMASOV, S.F., doktor tekhn.nauk, retsenzent; KUDELYA, F.Ya., inzh., retsenzent; TANCHAROVA, V.F., red.izd-va; MATUSEVICH, S.M., tekhn. red.

[Uses for scrap metal] Ispol'zovanie metallicheskoi struzhki. Kiev, Gostekhizdat USSR, 1963. 142 p. (MIRA 16:12)
(Scrap metals)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

LEVIN, Semen Lazarevich; KOCHO, V.S., doktor tekhn. nauk, retsenzent; MYLKO, S.N., kand. tekhn. nauk, retsenzent; BORNATSKIY, I.I., kand. tekhn. nauk

[Steel smelting processes; physicochemical and technological principles] Stalеplavil'nye protsessy; fiziko-khimicheskie i tekhnologicheskie osnovy. Kiev, Gostekhizdat USSR, 1963. 483 p. (MIRA 17:9)

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MYLKO, S.N., kand.tekhn.nauk; KONASHKO, N.P., inzh.

New principles for designing centralized founding ships.
Mashinostroenie no.6:23-26 N-D '63. (MIRA 16:12)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLKO, S.N., kand. tekhn. nauk; ZINKOVICH, P.A., inzh.

Melting cast-iron chips in induction furnaces. Mashinostroenie no.2:52-54 Mr-Ap '65. (MIRA 18:6)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLKO, S.N., kand. tekhn. nauk

Improving the quality of manganese steel castings.
Mashinostroenie no.5:60-63 S-O '65. (MIRA 18:9)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLLER, A.

Myller, A. Equations itérales linéaires du second ordre à coefficients constants. Bull. École Polytech. Jassy [Bul. Politehn. Gh. Asachi. Iaşi] 1, 270–273 (1946). (Romanian. French summary)

On peut obtenir des solutions $y=f(x)$ d'une équation itérale linéaire du second ordre à coefficients constants en partant de l'observation qu'elles restent inaltérées quand on échange x et y respectivement en y et $py+qx$. On calcule effectivement des solutions algébriques d'ordre 1 et 2.

From the author's summary.

Source: Mathematical Reviews, Vol 8 No. 9

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Myller, A.

Myller, A. Indicatrice de troisième ordre de la courbure des surfaces. Acad. Roum. Bull. Sect. Sci. 26, 147-150 (1946).

The author considers the cylinders circumscribed about a surface S of ordinary space such that the generators through a given point P of S are tangent to S and make an angle ϕ with the direction of the principal normal curvature $1/R_1$. The projection of the curve of contact of any such cylinder and the surface S upon the tangent plane of S at P is termed a cylindrical curve of S at P. The cylindrical tangential curvature $1/\rho$ of S at P is the curvature of any cylindrical curve of S at P. This is a homogenous cubic polynomial in $\cos\phi$ and $\sin\phi$ with coefficients depending on third order magnitudes of S at P. By varying ϕ, the locus of the centers of curvature of the cylindrical curves of S at P is a cubic curve with an isolated singularity at P.

The problem is an extension of the following one considered by Mannheim. The normal cylindrical curvature $1/\lambda$ is the curvature of the section on the circumscribed cylinder perpendicular to the generators. Mannheim obtained the formula $\lambda = R_1 \sin^2\phi + R_2 \cos^2\phi$, where $1/R_1$ and $1/R_2$ are the principal normal curvatures. D'Ocagne observed that the relation between the normal cylindrical curvature $1/\lambda$ and the normal curvature $1/R$ is $\lambda R = R_1 R_2$.

J. De Cicco (Chicago, Ill.).

Source: Mathematical Reviews, Vol 9 No. 10

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

Myller, A.

Math

Myller, A. Les podaires négatives des courbes gauches. Acad. Repub. Pop. Române. Bul. Sti. A. 1, 29-36 (1948). (Romanian and French)

Source: Mathematical Reviews, Vol 13 No. 5

MYLLER, A.: The Negative Polars of Left-Handed Curves

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

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MYLLER, A.

Myller, A. Remarkable curves traced on a surface in a polar geometry. Acad. Repub. Pop. Române. Bul. Şti. A. 1, 655-660 (1949). (Romanian. Russian and French summaries)

This paper is concerned with curves on a surface, the characteristic properties of the curves depending on the surface and on a point P considered as invariably related to the surface. P is called the pole. In particular, curves are studied whose tangents make equal angles with the radius vectors to the points of contact. Also discussed are curves whose points, or for which the tangent planes to the sustaining surface at those points, are at a constant distance from the pole. A theorem is proved concerning the invariance of the angle determined by the radius vector and the surface normal under the polar transformation. *V. G. Grove.*

Source: Mathematical Reviews, Vol 13 No. 7

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLLER, A.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLLER, A.

"Curves and parallel surfaces in a broad sense", p. 1; "Journal of science issued by the Iasi Branch, Rumanian Academy; with French and Russian summaries. Quarterly". (STUDII SI CERCETARI STIINTIFICE. Vol. 5, no. 1/2, Jan/June 1954. Filiala Iasi.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLLER, A.

Myller, A. La transformation de Legendre vue géométriquement. Acad. Repub. Pop. Romîne. Fil. Iaşi. Stud. Cerc. Şti. Ser. I. 5 (1954), no. 3–4, 1–12. (Romanian. Russian and French summaries)

1 - F/W

MS

The author gives a simple geometric construction for the Legendre transformation formulas used in ordinary differential equations; from a curve $\eta=\eta(\xi)$ we are led to $y=y(x)$ by using $x=d\eta/d\xi$, $y=\xi d\eta/d\xi-\eta$. A simple method for finding invariants of this transformation is given; let F be a symmetric function of two variables. Then $F(\xi,\eta')=F(\eta',\xi)=F(x,y')$. For instance, $\xi\eta'=\eta'\xi=y'x$, and thus the subtangent with respect to the $O\eta$-axis is left invariant. Next a method for finding curves which are left invariant is given. By studying the Legendre transforms of a one-parameter family of curves, the author finds two families of curves with the property that the curves of the first family have parallel tangents at the points where they meet an arbitrary curve of the second family. If the family with which we start is a pencil of curves, then the second of the two families we get will consist of straight lines and any three curves of the first family will cut the lines of the second family in proportional segments. The problem of finding curves whose Legendre transforms will preserve specific properties not preserved by all Legendre transforms is also considered. *A. Schwartz* (New York, N.Y.).

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

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"Questions of parallels, encouragement, and an instrument to study space", p. 477: "issued by the Rumanian Society of Mathematics and Physics, Monthly". (GAZETA MATEMATICA SI FIZICA, SERIA A., Vol 11, Nov. 1954. Bucuresti, Rumania).

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 5, May, 1955.

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"Secondary evolutes and evolutoids", p. 537; "issued by the Rumanian Society of Mathematics and Physics, Monthly". (GAZETA MATEMATICA SI FIZICA, SERIA A., Vol. 12, Dec. 1954. Bucuresti, Rumania).

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 5, May, 1955.

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MYLLER, AL.

3

Muller, Al.; and Pona, I. Sections dans une prisme triangulaire. Gaz. Mat. Fiz. Ser. A. 2 (1958), 76-84. (Romanian. French and Russian summaries)

Chaque triangle est la projection d'un autre triangle semblable avec un triangle donné.

Du résumé des auteurs

IW
1/1

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYLLER, A.

Triangles, remarkable from the centroaffine point of view. p. 1

Academia Republicii Populare Romine. Filiala Iasi. STUDII SI CERCETARI STIINTIFICE. MATEMATICA. Iasi, Rumania. Vol 9, no. 1 1958

Monthly list of East European Accessions (EEAI) LC Vol 8, No. 6, June 1959 Uncl.

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MYLLER, A.

Fundamental theorems of the trigonometry in centroaffine geometry. Studii mat Iasi 12 no.2:279-284 '61.

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MYLLER, A., Acad.

Archimedes. Gaz mat B 13 no.12:705-711 D '62.

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MYLLER, A., acad.

Theorem on the quadrilaterals similar to those of Ptolemy. Gaz mat fiz 14 no.2:57-58 '62

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MYLLER, V.G.

"Moisil's Introducere in algebra (Introduction to Algebra); a book review", p. 468; "issued by the Rumanian Society of Mathematics and Physics. Monthly". (GAZETA MATEMATICA SI FIZICA, SERIA, A. Vol. 6, no. 10, 1954. Bucuresti, Rumania).

SO: Monthly List of East European Accession, (EEAL), LC, Vol 4, No. 5, May, 1955.

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MYLLER-LEBEDEV, Vera, prof., laureat al Premiului de Stat

David Hilbert; hundredth anniversary of his birth. Gaz mat fiz 14 no.1:47-50 Ja '62.

1. Universitatea, Iasi.

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MYL'NIKOV, B.N., khimik; KUTKIN, F.A., khimik; Prinimala uchastiye MINAYEVA, L.M., laborant

Emulsion treatment of flannel. Tekst.prom. 20 no.4:52-53 Jl '60. (MIRA 13:8)

1. Laboratoriya kombinata "Trekhgornaya manufaktura" imeni Dzerzhinskogo.
(Textile finishing) (Textile chemistry)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL'NIKOV, G. V. Cand Tech Sci -- (diss) "Study of the Wear Resistance of the Pair Piston-Cylindrical Bushing of a Drilling Pump." Mos, 1957. 11 pp, 3 sheets of diagrams, 20 cm. (Min of Higher Education USSR, Mos Order of Labor Red Banner Petroleum Inst im Academician I. M. Gubkin), 110 copies (KL, 26-57, 108)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL'NIKOV, G.V.

Studying the durability of cylinders and pistons in slush pumps. Neft.khoz. 35 no.1:36-39 Ja '57. (MLRA 10:2)

(Oil well drilling--Equipment and supplies)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

Myl'nikov, G.V.

93-57-7-2/22

AUTHOR: Myl'nikov, G.V.

TITLE: Increasing the Wear Resistance of Oil Equipment With Boron Plating (Povysheniye iznosoustoychivosti neftyanogo oborudovaniya metodom borirovaniya)

PERIODICAL: Neftyanoye khozyaystvo, 1957, Nr 7, pp 4-8 (USSR)

ABSTRACT Boron-plated cylinder sleeves of oil well pumps have three to four times the wear resistance of heat-treated plain steel cylinder sleeves and a higher abrasion resistance than surface-hardened, nitrided, chromized, or boron cast iron or sormite-reinforced high carbon steel cylinder sleeves. The State Design and Scientific Research Institute for Petroleum Machinery (Giproneftemash) is developing a boron plating method for turbodrill tips and piston rods of oil well pumps. The Moscow Petroleum Institute im. Acad. I.M. Gubkin (MNI im. akad. I.M. Gubkina) is investigating the effect of boron plating on the wear resistance of rock bit edges. At present electrolytic boron plating

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is used industrially only at the "Borets" plant and at the Krasnodarsk Repair and Machine Plant (Krasnodarskiy remontno-mekhanicheskiy zavod). The "Krasnyy molot" plant in Groznyy, the Plant imeni Myashnikov (zavod imeni Myashnikova) in Molotovskaya Oblast, and the Repair and Machine Plant (Remontno-mekhanicheskiy zavod) in Oktyabr'skiy, Bashkir ASSR are just beginning to introduce boron plating. Chizhevskiy was the first to show that steel surfaces can be impregnated with boron. At present, steel surfaces are boron plated by a) saturating the sprinkling powder with ferroboron, b) liquid boron plating from a saline bath, and c) electrolysis through molten boron. For the experiments discussed in the present paper, the method of electrolysis through molten boron was selected by Shtrymov and Dobrodeyev of Giproneftemash. The type of boron bath used in the experiments is shown in Fig. 1. The commercial boron baths produced by the "Borets" and the Krasnodar Repair and Machine plants are built on the same principle but are of different dimensions and vary in

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design. The procedure and conditions of the experiments are described in detail. The thickness of the boron deposit on plain grade 40 carbon steel versus the electrolyte temperature is shown in Fig. 2. The thickness of the boron deposit as related to the time of electrolysis is shown in Fig. 3. The thickness of the boron deposit as related to the current density is shown in Fig. 4. The wear resistance of the boron deposit as related to the electrolyte temperature is shown in Fig. 5. The wear resistance of the boron deposit as related to the time of electrolysis is shown in Fig. 6. The wear resistance of the boron deposit as related to the density of the current is shown in Fig. 8. The boron deposited during electrolysis was measured by a Kh-1 laboratory model wear-testing machine. The microhardness of the boron deposits was determined by the "oblique cut" method and the results are given in tabular form. Much of the data in this paper was taken from 1949 and 1952 reports on "Prolonging the Life of Oil Well Pumps by Boron Plating," made by Giproneftemash. Based on the data of this

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experiment, the optimum conditions for boron plating are: electrolyte temperature 950°, density of the current 0.5-0.9 amperes per sq. cm., and a 4-hour duration of the process. There are eight figures, one table, and one Soviet reference.

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Card 4/4 1. Instrumentation-Preservation

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SOFRONOV, P.A.; KRAYTSBERG, M.I.; MYL'NIKOV, I.I.; SMIRNOV, B.V.

Silicon rectifiers for enterprises of the refractories industry. Ogneupory 29 no. 5:201-205 '64. (MIRA 17:7)

1. Moskovskiy inzhenerno-stroitel'nyy institut imeni V.V. Kuybysheva (for Sofronov, Kraytsberg). 2. Chasov-Yarskiy kombinat ogneupornykh izdeliy (for Myl'nikov).

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

SOFRONOV, P.A.; MYL'NIKOV, I.I.

Thyristor controlled rectifier for feeding magnetic separators. Ogneupory 29 no.12:541-544 '64. (MIRA 18:1)

1. Moskovskiy inzhenerno-stroitel'nyy institut im. V.V.Kuybysheva (for Sofronov). 2. Chasov-Yarskiy kombinat ogneupornykh izdeliy (for Myl'nikov).

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SOFRONOV, P.A.; GLUSHKOV, G.V.; MYL'NIKOV, I.I.; SMIRNOV, B.V.

Substation with semiconductor rectifiers for current supply of electric trucks. Ogneupory 30 no.10:7-9 '65. (MIRA 18:10)

1. Moskovskiy inzhenerno-stroitel'nyy institut im. V.V. Kuybysheva (for Sofronov, Glushkov). 2. Chasov-Yarskiy kombinat ogneupornykh izdeliy (for Myl'nikov).

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

TOSENKO, Yu.A. starshiy dorozhnyy master (st. Yesil', Kazakskoy dorogi);
IGNATENKO, V.Ya.; MYL'NIKOV, I.S.

Letters to the editor. Put' i put.khoz. 6 no.5:46 '62.
(MIRA 15:4)

1. Glavnyy bukhgalter Starokonstantinovskoy distantsii, Yugo-Zapadnoy dorogi (for Ignatenko). 2. Zamestitel' nachal'nika Kurganskoy distantsii puti, Yuzhno-Ural'skoy dorogi (for Myl'nikov).
(Railroads—Track)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

YUSHKOV, P. K., dotsent; MYL'NIKOV, L. L., inzh.

Analytical methods for constructing a load duratio: chart of a traction substation. Trudy OMIIT 37:128-137 '62. (MIRA 17:5)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

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SHATS, A.S., inzh.; MYL'NIKOV, L.V., inzh.

Universal assembly beds used for section assembly and welding. Sudostroenie 25 no.4:49-51 Ap '59. (MIRA 12:6)
(Ships--Welding)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL'NIKOV, ~~Nikolay Ivanovich~~; SIDOROV, N.I., inzhener, redaktor; STIKHNO, T.V., tekhnicheskiy redaktor

[Increasing the average daily output of electric locomotives] Uvelichenie srednesutochnoi raboty elektrovozov; opyt raboty depo Barabinsk Omskoi dorogi. Moskva, Gos. transp. zhel-dor. izd-vo, 1956. 42 p. (MIRA 10:1)
(Electric locomotives)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

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MYL'NIKOV, N.I., nachal'nik depo; SAVINSKIY, V.I., inzhener.

Technical and economic efficiency in using electric traction. Znel. dor.transp. 37 no.1:29-35 Ja '56. (MLRA 9:3)
(Electric locomotives)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL'NIKOV, N.I.

LOZE, Ya.A.; MYL'NIKOV, N.I.; TARKHANOV, K.A.

One type of locomotive-shed repair is recommended for electric locomotives. Elek. i tepl. tiaga no.12:15-16 D '57. (MIRA 11:1)

1. Nachal'nik sluzhby lokomotivnogo khozyaystva Omskoy dorogi (for Loze). 2. Nachal'nik lokomotivnogo depo Kurgan Yuzhno-Ural'skoy dorogi (for Myl'nikov). 3. Glavnyy inzhener lokomotivnogo depo Barabinsk Omskoy dorogi (for Tarkhanov).
(Electric locomotives--Maintenance and repair)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

8(5) SOV/112-59-3-5058

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 3, p 107 (USSR)

AUTHOR: Myl'nikov, N. N., Bakharevskiy, V. P., and Shishlo, K. S.

TITLE: Electrical Drive on New Cotton Printing Machines (Elektroprivod novykh pechatnykh mashin)

PERIODICAL: Izv. vyssh. uchebn. zavedeniy. Tekhnol. tekstil'n. prom-sti, 1958, Nr 1, pp 157-168

ABSTRACT: Two types of the electrical drive on cotton-printing machines used at the Ivanovo textile finishing plants are compared: (1) a drive with a 3-phase doubly-fed commutator motor with a regulating transformer (Czechoslovak make, 1955); (2) a generator-motor-scheme drive with a DC motor (made by the Shcherbakov Plant of Polygraphic Machines). The full range 1:11 of speed regulation is attained in the first type by means of an additional adjustable-speed reducer. A comparison shows that the generator-motor-type drive has the advantages over the 3-phase commutator-motor drive in controllability,

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8(5) SOV/112-59-3-5058

Electrical Drive on New Cotton Printing Machines

higher speed, and lower electric-energy consumption per unit production. It is noted that the generator-motor scheme can be simplified for the operating duty in question. Both schemes and energy characteristics of the drives are presented.

L. Ya. L.

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MYL'NIKOV, N.N.; KAGANOV, Z.G.

Analysis of breakdowns occurring in electric motors operating in textile mills. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.2:128-135 (MIRA 11:5)

1. Ivanovskiy tekstil'nyy institut.
(Textile machinery--Maintenance and repair)
(Electric motors)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL'NIKOV, P.V.

ARSEN'YEV, A.A.; ZOLOTNITSKIY, N.D., kandidat tekhnicheskikh nauk; KISELEV, Ya.L.; KOSOUROV, S.N.; MYL'NIKOV, P.V.; TOROPOV, A.S.

[Safety measures in road building] Tekhnika bezopasnosti na dorozhnom stroitel'stve. Moskva, Avtotransizdat Ministerstva avtomobil'nogo transporta i shosseinykh dorog SSSR, 1953. 186 p. (MLRA 7:4)
(Road construction--Safety measures)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL'NIKOV, P.V.; CHVANOV, V.G.; redaktor; MULIKOVA, I.F., tekhnicheskiy redaktor.

[Manual of safety measures for stokers of steam boilers] Pamiatka po tekhnike bezopasnosti dlia kochegara parovogo kotla. Moskva, Nauchno-tekhn. izd-vo avtotransportnoi lit-ry, 1954. 37 p.
(Steam boilers--Safety measures) (MLRA 8:8)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL'NIKOV, P.V., otv. za vypusk; GALAKTIONOVA, Ye.N., tekhn.red.

[Safety rules during work with VP-110-58/GDSTR SSR road machinery] Pravila bezopasnosti pri rabote na dorozhnykh mashinakh VP-110-58/GDSTR SSSR. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1958. 207 p. (MIRA 12:9)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye po stroitel'stvu avtomobil'nykh dorog.
(Road construction--Safety measures)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL'NIKOV, Petr Vladimirovich; YEGOZOV, V.P., red.; DONSKAYA, G.D., tekhn. red.

[Safety engineering and fire prevention measures in road construction] Tekhnika bezopasnosti i protivopozharnaia tekhnika v dorozhnom stroitel'stve. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1961. 207 p. (MIRA 15:1)

(Road construction—Safety measures)
(Fire prevention—Laws and regulations)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL'NIKOV, P.V.

There must be no accidents in road construction. Avt.dor. 24 no.5:16 My '61. (MIRA 14:6)

1. Starshiy inzhener po tekhnike bezopasnosti Glavdorstroya.
(Road construction—Safety measures)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

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MYL'NIKOV, P.

In the Main Road Construction Administration. Avt.dor.
25 no.5:28 My '6.. (MIRA 1[illegible])
(Road construction)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL'NIKOV, Petr Vladimirovich; YEGOZOV, V.P., red.

[Labor protection and safety engineering in the construction and use of roads and bridges; a reference manual] Okhrana truda i tekhnika bezopasnosti pri stroitel'stve i ekspluatatsii dorog i mostov; spravochnoe posobie. Moskva, Transport, 1965. 235 p. (MIRA 18:3)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

L 41311-65

ACCESSION NR: AP5008726 S/0209/65/000/003/0037/0040

AUTHOR: Derevyanko, Ye. (Lieutenant colonel of aviation service, Candidate of biological sciences); Kuznetsov, V. (Major of medical service, Physician, Aviator); Myl'nikov, V. (Major of medical service, Physician, Aviator)

12
B

TITLE: Better flight simulation in trainers

SOURCE: Aviatsiya i kosmonavtika, no. 3, 1965, 37-40

TOPIC TAGS: flight simulation, pilot training

ABSTRACT: The authors review common and frequent pilot errors committed both during flight and in flight simulators. They state that after training exercises involving unusual circumstances and instrument failures are performed on flight simulators, the quantity of wrong decisions is decreased by 40 to 50% after three or four sessions. The authors advocate the use of special training to improve pilot psychophysiological reserve. This reserve can be evaluated in simulators by increasing the number of instruments to which the pilot must react. It is suggested that a light board be mounted in the instrument panel and that the pilot react to a light signal by pressing a corresponding button located in the engine-control sector. For a correct reaction, the first light goes out and the next light goes on auto-

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matically. It is concluded that the simulation of failures must be included not only in special failure exercises but also in other exercises without pilot foreknowledge. Orig. art. has: 2 figures. [LB]

ASSOCIATION: none

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Card 2/2

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL'NIKOV, V.A., insh.

Making gauges with various shapes. Mash.Bel. no.4:112-115 '57. (MIRA 11:9)

(Gauges)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL'NIKOV, V.A.

New machines manufactured by the Vitebsk Grinding-Machine Plant.
Mash.Bel. no.5:3-13 '58. (MIRA 12:11)
(Vitebsk--Grinding machines)

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MYL'NIKOV, V.A., inzh.; BERSON, A.I., inzh.

Making precision dividing disks. Mash.Bel. no.5:127-139 '58.
(MIRA 12:11)

(Dividing engines)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

KAMINSKIY, D.M., kand. tekhn. nauk; MYL'NIKOV, V.A., inzh.; ITSKOVICH, A.M., inzh.; BURLAK, S.T., inzh.; LEONT'YEV, F.Ye., inzh.

Use of semiconductor rectifiers in underground traction substations. Izv. vys. ucheb. zav.; gor. zhur. 6 no.8:180-182 '63. (MIRA 16:10)

1. Sibirskiy metallurgicheskiy institut (for Kaminskiy, Myl'nikov, Itskovich).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

DEREVYANKO, Ye.A. (Moskva); MYL'NIKOV, V.G. (Moskva)

Some patterns of the appearnace of acceleration sensations during the acceleratory changes of gravity. Vop. psikhol. 10 no.3:131-139 My-Je '64. (MIRA 17:9)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

1. MYL'NIKOV, V. P.

2. USSR (600)

3. Wood Pulp Industry

4. Using heatproof concrete in the pulp industry.
Bu.prom. 27 No. 11 - 1952.

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

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

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MYL'NIKOV, V.P.

Publicize the experience gained in equipment repair. Bum.prom.30 no.3:22 Mr '55. (MIRA 8:4)

1. Glavnyy mekhanik Glavtsellyulozy.
(Papermaking machinery--Repairing)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL'NIKOV, V.P.

Lining pyrite furnaces with fire-resistant concrete as a means for intensifying their operation. Bum.prom. 30 no.4:24 Ap '55. (MLRA 8:6)

1. Glavnyy mekhanik Glavtsellyulozy.
(Pyrites) (Furnaces)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL'NIKOV, V.P.

The use of refractory concrete for the lining of pyrite burning furnaces. Bum.prom. 30 no.5:20-22 My '55. (MLRA 8:8)

1. Glavnyy mekhanik Glavnogo upravleniya tsellyuloznoy promyshlennosti.

(Refractory materials) (Furnaces)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135820008-3

MYL'NIKOV, V.P.

From practice in repairing steam engines. Bum.prom. 30 no.10:19 O '55. (MIRA 9:1)

1. Glavnyy mekhanik Glavtsellyulovy.
(Steam engines)

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MYL'NIKOV, V.F.

The overgrowth of cattails in the Volga delta is a rich source of raw material for the woodpulp industry. Bum.prom. 30 no.12:20 D '55. (MLRA 9:3)

1. Glavnyy mekhanik Glvanogo upravleniya tsellyulo:noy promyshlennosti.
(Woodpulp industry) (Volga delta--Cattails)

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MYL'NIKOV, V.P.

Standards for the design of mechanical repair shops. Bum.prom. 32 no.2:20-21 F '57. (MLRA 10:5)

1.Glavnyy mekhanik Glavtsellyulozy.
(Papermaking machinery--Repairing)
(Industrial buildings)

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