VINOGRADOV, G.

We will fulfill the yearly plan on schedule. Khil.-kom.khoz. 5 no.7:5-6 '55. (MLRA 9:1)

1.Direktor fabriki-prachechnoy no.18 Leningrada.
(Leningrad--Laundries)

VINOGRADOV, G. A., [et. al.]

Groove designing of rollers 2. izd. Leningrad, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1950. 344 p. (51-23597)

TS340.V5 1950

BORISOV, V.I.; BRYUNIN, A.N.; VINOGRADOV, G.A.; RESHETOV, S.I.

[Printing industry] Poligraficheskoe proizvodstvo. Moskva, Iskusstvo, 1953. 221 p. (MLRA 6:10)
(Printing industry--Study and teaching)

VINOGRADOV, G. A.

23834 IZ ISTORII LITOGRAFII V ROSSII. POLIGR. PROIZVODSTVO, 1949
NO. 4, S. 25-27

SO LETOPIS' NO. 31, 1949

KATUSHEV, Yakov Matveyevich, professor; SHEBERSTOV, Valentin Iosifovich, dotsent; VINOGRADOV, G.A., redaktor; MIL'CHIN, A.E., redaktor; CHICHERIN, A.N., tekhnicheskiy redaktor.

[Introduction to the theory of photographic processes] Osnovy teorii fotograficheskikh protsessov. Izd. 2-e perer. i dop. Moskva, Gos. izd-vo "Iskusstvo," 1954. 499 p. [Microfilm] (Photographic chemistry) (MLRA 8:2)

VINOGRADOV, G.A., inzh.

Mechanized sorting of balls in ball mills. Elek. sta. 35 no.11: 65-66 N '64. (MIRA 18:1)

VINOGRADOV, A. P.; VINOGRADOV, G. A.

Kalibrovka Prokatnykh Valkov (Calibration of Rollers, By) A. P. Vinogradov I G. A. Vinogradov. 2. Izd. Moskva, Metallurgizdat, 1950. 3hh p. Diagrs., Tables.

Sc: N/5
662.336
.V7
1950

PHASE I BOOK EXPLOITATION SOV/4919

Vinogradov, G.A., and Yu.N. Semenov

Prokatka metallicheskikh poroshkov (Roll Compacting of Metal Powders) Moscow, Metallurgizdat, 1960. 86 p. Errata slip inserted. 4,200 copies printed.

Ed.: A.K. Natanson; Ed. of Publishing House: M.S. Arkhangel'skaya; Tech. Ed.: Ye. B. Vaynshteyn.

PURPOSE: This booklet is intended for engineers, process engineers and designers in plants and scientific research and planning organizations of the metallurgical and machine-building industries.

COVERAGE: The booklet deals with Soviet and non-Soviet experience in the field of the roll compacting of metal powders - a new branch of the powder metallurgy. An outline of the techniques used for the roll compacting of metal powders and the properties of roll-compacted sintered products are described. Yu.N. Semenov wrote the first chapter of the booklet, G.A. Vinogradov the second chapter, and they collaborated in writing the remaining chapters. The authors thank G.A. Aksenov, I.M. Fedorchenko, and G.V. Samsonov, Professors, for their valuable

Card 1/3

contributions and suggestions. There are 58 references: 37 Soviet, 16 English, and 5 German.

TABLE OF CONTENTS:

YEDNERAL, Petr Prokof'yevich; KONSTANTINOV, Ivan Georgiyevich; SEROVATIN, A.I., inzh., retsenzent; KINOGRADOV, G.A., kand. tekhn.nauk, red.; PILIPENKO, Yu.P., inzh., red.; GORNOSTAYPOL'SKAYA, M.S., tekhn.red.

[Theory of plastic deformations and the press working of metals] Teoriia plasticheskoi deformatsii i obrabotka metallov davleniem. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 341 p. (MIRA 14:4)

(Deformations (Mechanics)) (Metalwork)

33805
S/137/62/000/001/061/237
A060/A101

1.1600

AUTHORS: Vinogradov, G. A., Fedorchenko, I. M.

TITLE: Influence of the gaseous phase upon the powder pressing under rolling

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1962, 39, abstract 1G299 ("Poroshk. Metallurgiya", 1961, no. 1, 61 - 67, English summary)

TEXT: The rolling of metallic powders in vacuum makes it possible to obtain strips of thickness greater than under ordinary conditions; the utilization of vacuum also allows the rolling of dust-fine powders which are not manageable to roll in an air environment (for example Fe powders of fraction $< 44\mu$). The utilization of gases with low viscosity (CO_2, H_2) has a considerable effect upon the density and thickness of the rolled strips. The effect of the gaseous phase is related to the fact that the pressing of the powder under rolling in the rolls is braked by the incident counterflow of gas, which is pressed out of the space between the particles. The conditions of internal friction under rolling also depend upon the nature of the gaseous phase (the coefficient of friction in vacuum increases by several times. Thus, the

Card 1/2

33805
S/137/62/000/001/061/237
A060/A101

Influence of the gaseous phase ...

utilization of vacuum (~ 1 mm Hg) makes it possible to roll fine powders, and the feed of H_2 or CO_2 into the hopper of the rolling mill may considerably increase the thickness of the strip and the mill productivity.

R. Andriyevskiy

[Abstracter's note: Complete translation]

Card 2/2

S/137/62/000/003/065/191
A006/A101

1.1600

AUTHORS: Fedorchenko, I. M., Vinogradov, G. A., Katrus, O. A.

TITLE: Investigating the properties of strips manufactured from iron powder

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 3, 1962, 41, abstract 3G285 ("Poroshk. metallurgiya", 1961, no. 4, 70 - 79, English summary)

TEXT: This is a literature review of data on the optimum density of raw strips, the duration of strip sintering, and anisotropy of properties. Experiences have shown that the optimum porosity of raw Fe-powder strips is 20 - 25%; σ_b and σ_{bi} are about 0.5 and 2.8 kg/mm , respectively. Tests were made with rolled specimens, cut out along and across the direction of rolling. The tests show that σ_{bi} was 3.2 kg/mm^2 in the former and 2.5 kg/mm^2 in the latter case (porosity 25%). During sintering the substantial increase in strength is exhausted at holding for about 10 minutes. The effect of compressive rolling on the physical and mechanical properties was investigated. The change in the specific weight ceases at the reduction in height of the strips by about 40%. From this moment approximately the strength begins to decrease and elongation of grains is observed in the microstructure. Conditions of preliminary sintering have a slight effect on the

Card 1/2

Investigating the properties of strips...

S/137/62/000/003/065/191
A006/A101

mechanical properties of non-porous strips.

R. Andriyevskiy

[Abstracter's note: Complete translation]

Card 2/2

32791
S/137/61/000/012/069/149
A006/A101

15 2400

AUTHORS: Vinogradov, J. A., Fedorchenko, I. M.

TITLE: Experimental cermet rolling mill

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 12, 1961, 50, abstract 12I350 ("Porosnk. metallurgiya, 1961, no. 2, 101 - 107, English summary)

TEXT: A mill is described for the rolling of powders. It was developed and designed according to the technical directives of IMSS, AS UkrSSR. The roughing mill with 300-mm-diameter rolls is equipped with an exchangeable set of rolls of 150 and 250 mm in diameter and 250 and 300 mm barrel length. The rolls rotate at 1 - 15 rpm. The stand can be mounted in both horizontal and vertical position, and hot rolling can be performed in a shielding medium. The first finishing stand is approximately analogous to the roughing stand, but the barrel length is 250 mm only. The second finishing stand is intended for condensating rolling and for the manufacture of pore-less rolled material. The mill is equipped with friction winding devices. The assortment of the mill are porous and

Card 1/2

32791
S/137/61/000/012/069/149
A006/A101

Experimental cermet rolling mill

poreless 0.2 - 2mm thick strips.

R. Andriyevskiy

[Abstracter's note: Complete translation]

Card 2/2

37568

S/226/62/000/001/004/014
I003/I201

1,1600

Author: Vinogradov, G. A., and Komarova L. M.

Title: INVESTIGATION OF THE FREE FLOW OF METALLIC POWDERS UNDER ROLLING CONDITIONS.

Periodical: *Poroshkovaya metallurgiya*, no. 1(7), 1962, 27–33

Text: The free flow of iron, copper and aluminum powders in air and in vacuum was investigated, using funnels shaped like the working surfaces of rolling mill rollers. Rollers with various surface finishes rotating at different speeds and directions were also used. For rolling processes taking place in the air, the maximum free flow corresponds to a grain size of 10 for all powders investigated. For rolling processes taking place in vacum, however, the volume of the powders required for the process decreases regularly with decreasing particle size. The surface finish of the rollers affects consumption of the powders in the rolling process, whilst above the contact arc this consumption remains unaffected by both speed and direction of the rollers. It is proposed that the peripheral speed of the rollers should equal the linear speed of flow of the powder in the contact arc for the optimal rolling of powder materials. There are 8 tables and 6 figures.

Association: Institut metallokeramiki i special'nykh splavov AN UkrSSR (Institute of Powder Metallurgy and Special Alloys AS UkrSSR)

Submitted: October 24, 1961.

Card 1/1

37569
S/226/62/000/001/006/014
I003/I201

18.8100
1160

Author: Katrus, O. A., Fedorchenko, I. M. and Vinogradov, G. A.

Title INVESTIGATION OF THE MAGNETIC PROPERTIES OF IRON POWDER STRIPS.

Periodical: *Poroshkovaya metallurgiya*, no. 1(7), 1962, 37–44

Text The porosity substantially affects the value of the coercive force. An increase in porosity by 2% increases the coercive force by approximately 0.1 oersted. When iron strips with a 25% porosity are sintered at 1200°C in an atmosphere of hydrogen having a dew point of −30°C, they lose all their carbon and oxygen, while sintering at lower temperatures (1000–1100°C) decreases the carbon content to 0.03-0.02% leaving the amount of oxygen unaltered. The kinetics of grain growth of poreless iron powder strips is similar to that of coarse-grained steels. The magnetic properties of poreless iron powder strips pre-sintered at 1200°C and above and finally heat-treated at 900–1000°C meets the ГОСТ 3836-47 (GOST 3836-47) requirements for low-carbon electrical grade sheet. There are 4 tables and 4 diagrams. English language reference: E. V Walker I. Howard, Iron and Steel Institute, V. 194 part I, 1960.

Association. Institut metallokeramiki i special'nykh splavov AN UkrSSR (Institute of Powder Metallurgy and Special Alloys AS UkrSSR)

Submitted: September 21, 1961

Card 1/1

S/226/62/000/004/008/012
I042/1242

AUTHOR: Vinogradov, G.A.

TITLE: The application of the bench mark method to the calculation of the density of metal stock rolled from powders

PERIODICAL: Poroshkovaya metallurgiya, no.4 (10), 1962, 63-71

TEXT: The thickness and density of strips or sheets rolled from metal powders depend on the roll clearance, width of the rolled stock, and the powder level in the deformation zone. All these factors were studied along with the weight, form, and composition of the powder, the type of surface and diameter of rolls, and the rolling angle, speed, and direction. The density of the rolled stock decreased with increasing thickness and with decreasing pressing coefficient. The effect of the powder level in the deformation zone was studied with iron, nickel, aluminum, titanium and stainless steel powders. The nature of the dependence between the density and thickness of the raw stock is denoted by the method of changing the thickness of the stock. A method which takes into account the important effect of the width of the rolled stock is proposed for the calculation of its density. There are 5 figures

Card 1/2

S/220/62/000/004/003/012
I042/I242

The application of the bench...

and 4 tables.

ASSOCIATION: Institut metallokeramiki i spetsialnykh splavov AN USSR (Institute of Metal Ceramics and Special Alloys, AS UkrSSR)

SUBMITTED: January 23, 1962

KATRUS, O.A.; VINOGRADOV, G.A.

Three-layer copper-iron-copper strips manufactured from powders
Porosh.met. 2 no.5:60-67 S-O '62. (MIRA 15:11)

1. Institut metallokeramiki i spetsial'nykh splavov AN UkrSSR.
(Metal powder products) (Laminated metals)

ACCESSION NR: AR4018308 S/0137/64/000/001/G034/G034

SOURCE: RZh. Metallurgiya, Abs. 1G240

AUTHOR: Vinogradov, G. A.; Komarova, L. M.

TITLE: Study of the friability of metal powders

CITED SOURCE: Tr. Kuyby*shevsk. aviats. in-t, vy*p. 16, 1963, 41-49

TOPIC TAGS: copper powder friability, aluminum powder friability, iron powder friability, powder rolling

TRANSLATION: A study was made of the friability of Cu, Fe, and Al powders as a function of particle size, and the effect of roughness and direction of rotation of the rolls on the friability of powders was investigated. Over the entire range of particle sizes the best flow characteristic was exhibited by the Cu powder, and the poorest, by Al powder. The improvement flow characteristic with decreasing particle size reaches a maximum at 100μ, after which this property of all the powders decreases sharply. The effect of the air contained in the powders increases with decreasing particle size, and for this reason very fine powders should be vacuum rolled. As the roughness of the rolls increases, the powder flow

Card 1/2

ACCESSION NR: AR4016306

characteristic decreases slightly. The speed and direction of roll rotation has no appreciable effect on the entry of freely poured powder into the zone of deformation. It was found that the best condition for pressing powder during rolling is the equality of the peripheral speed of the rolls and of the linear speed of pouring powder at the arc of contact (the process of compacting of the powder thereby approaches the process of static compacting). A. Epik

SUB CODE: MM ENCL: 00

Card 2/2

CHEKMAREV, A.P.; KLIMENKO, P.A.; VINOGRADOV, G.A.

Pressure and the friction coefficient in rolling metal powders.
Trudy LPI no.222:53-57 '63. (MIRA 16:7)
(Rolling (Metalwork)) (Powder metallurgy)

KATRUS, O.A.; VINOGRADOV, G.A.

Three-layer strips, copper-iron-copper made of powders. Trudy LPI no.222:58-63 '63. (MIRA 16:7)
(Powder metallurgy) (Laminated metals) (Rolling (Metalwork))

SOV/6508

PHASE I BOOK EXPLOITATION

Vinogradov, Gleb Andreyevich and Izrail' Davidovich Radomysel'skiy

Pressovaniye i prokatka metallokeramicheskikh materialov (Compacting and Rolling of Metal Powders) Moscow, Mashgiz, 1963. 198 p. 5000 copies printed.

Reviewer: G. V. Samsonov, Corresponding Member, Academy of Sciences of the USSR; Ed.: Yu. P. Pilipenko; Tech. Ed.: M. S. Gornostaypol'skaya; Chief Ed.: Southern Division, Mashgiz; V. K. Serdyuk, Engineer.

PURPOSE: This book is intended for engineering personnel of machine-building and instrument-making plants and scientific and planning organizations.

COVERAGE: The book describes the process of compacting and rolling metal powders. Designs of dies and technical specifications for

Card 1/2

Compacting and Rolling (Cont.) SOV/6508

manufacturing are outlined. Examples of practical application of sintered metal parts in machine-building and instrument-making are presented and the equipment used for pressure working these parts is described. Part I of the book was written by I. D. Radomysel'skiy, Candidate of Technical Sciences; Part II, by G. A. Vinogradov, Candidate of Technical Sciences. No personalities are mentioned. There are 137 references, mostly Soviet.

TABLE OF CONTENTS:

Card 2/5

S/226/63/000/002/004/014
A006/A101

AUTHORS: Chekmarev, A. P., Klimenko, P. A., Vinogradov, O. A.

TITLE: Investigating specific pressure, specific friction, and the friction coefficient in rolling metal powders

PERIODICAL: Poroshkovaya metallurgiya, no. 2, 1963, 26 - 31

TEXT: The measurements of the aforementioned parameters were carried out with the aid of three spot dynamometers with wire pickups, operating on tension. The powders were rolled in the horizontal direction on a mill, D = 208 mm, at 10.7 m/min velocity. The central dynamometer was placed in the radial direction, the two other dynamometers were placed at the ends at an angle of 45° to the central one. The readings were oscillographed. It was found that the nature of distribution of the specific pressure did not depend upon the rolled metal-powder type, and the thickness and width of strip. The magnitude of pressure varied with changing roll opening and granulation of the powder. With greater roll opening and thickness of the strip, specific pressure decreases from 3.50 t/cm^2 at a 0.75 mm thick strip of 5.8 g/cm^3 density to 1.00 t/cm^2 at 1.25

Card 1/2

Investigating specific pressure, specific friction,...

and 4.2 respectively. The specific friction force τ is proportional to specific pressure $\tau = fp$ (f = the friction coefficient) in the backward and forward zones of the deformation seat; in the adhesion zone, relative metal slip along the rolls does not take place. The friction force is then not proportional to specific pressure. The specific friction force increases with reduced thickness of the strip. The friction coefficient and specific friction force are distributed non-uniformly along the grip arc. Mean value of the friction coefficient determined was f = 0.24 in rolling АПЖМ (APZhM) powder on steel rolls. Vinogradov's data, submitted in a previous article, on the decrease of specific pressure with greater thickness of the rolled powder strip, are experimentally confirmed. The increase of the strip thickness results from a higher total pressure upon the rolls. There are 6 figures and 1 table..

ASSOCIATION: Dnepropetrovskiy metallurgicheskiy institut i Institut metallokeramiki i spetsial'nykh splavov AN USSR (Dnepropetrovsk Metallurgical Institute and the Institute of Sinters and Special Alloys of AS UkrSSR)

SUBMITTED: July 4, 1962

Card 2/2

VINOGRADOV, G.A.; KATASHINSKIY, V.P.

Investigating specific pressure during the rolling of metal powders. Porosh.met. 3 no.3:30-36 My-Je '63. (MIRA 17:3)

1. Institut metallokeramiki i spetsial'nykh splavov AN UkrSSR.

VINOGRADOV, G.A.

Method of calculating pressure on the rolls during the rolling of metal powders. Porosh. met. 4 no.6:12-16 N-D '64.
(MIRA 18:3)

1. Institut problem materialovedeniya AN UkrSSR.

SOURCE: Ref. zh. Metallurgiya, Abs. 5G199

AUTHOR: Katrus, O. A.; Vinogradov, G. A.

TITLE: Investigation of the properties of semifinished products produced by rolling of powders

CITED SOURCE: Tr. 7 Vses. nauchno-tekhn. konferentsii po poroshk. metallurgii. Yerevan, 1964, 251-256

TOPIC TAGS: powder metal, rolling, metal physical property, magnetic property

TRANSLATION: A study was made of the effect of production conditions on the properties of strips produced by rolling powders. The thickness of the strips reached 0.5-1% of the diameter of the rollers. Multilayer copper-iron-copper

Card 1/2

L-57721-65
ACCESSION NR: AR5015161

same mill with a reduction of 28-30% and annealed in hydrogen at 1100° for 1 hr.

tungsten, manganese, and silicon. V. Shelamov.

SUB CODE: MM ENCL. 00

bimetals

Card 2/2

KATRUS, O.A.; VINOGRADOV, G.A.

Calculating the minimum speed of powder rolling. Porosh. met. 5 no.4:9-12 '65. (MIRA 18:5)

1. Institut problem materialovedeniya AN UkrSSR.

KATASHINSKIY, V.P.; VINOGRADOV, G.A.

Investigating the process of rolling metal powders with a single driving roller. Porosh.met. 5 no.6:1-4 Je '65. (MIRA 18:8)

1. Institut problem materialovedeniya AN UkrSSR.

KATASHINSKIY, V.P.; VINOGRADOV, G.A.

Investigating the compaction of metal powders during rolling. (MIRA 18:5)
Porosh. met. 5 no.5:9-16 My '65.

1. Institut problem materialovedeniya AN UkrSSR.

TITLE

SOURCE Poroshkovaya metallurgiya, no. 8, 1965, 19-22

TOPIC TAGS powder metallurgy, iron powder, copper, nickel, aluminum powder, metal rolling/APZhS iron

ABSTRACT Test

processed over the

Card 1/2

L 64553-65
ACCESSION NR: AP5020767

material coming out of the rollers. [illegible] is determined experimentally from oscillograms obtained with the dynamometer. The packing coefficient, γ_t, is the ratio of the [illegible] to the density of the [illegible] pressing coefficient [illegible] the value of this coefficient [illegible] for a given powder [illegible] the powder, the values of the pressing and [illegible] coefficients are determined by the maximum specific pressure and, correspondingly, by the density of the ribbon of material [illegible] width or thickness of the ribbon and the deformation [illegible] ficients. Orig. art. has: 3 formulas, 5 figures and 1 table

ASSOCIATION: Institut problem materialovedeniya AN UkrSSR (Institute for Problems of Materials Processing, AN UkrSSR)

NR REF SOV: 001
Card 2/2

KATRUS, O.A.; VINOGRADOV, G.A.

Manufacturing electrodes by powder rolling. Porosh. met. 5 no.9:28-33 S '65. (MIRA 18:9)

1. Institut problem materialovedeniya AN UkrSSR.

VINOGRADOV, G.A.; KATASHINSKIY, V.P.

Angular parameters of the process of rolling metal powders.
Poroshk. met. 5 no.9:34-39 S '65. (MIRA 18:9)

1. Institut problem materialovedeniya AN UkrSSR.

L 5324-66 EWP(e)/EWT(m)/EWP(i)/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c) IJP(c)
ACC NR: AP5026270 JD/HW UR/0226/65/000/010/0011/0018

52
45
B

AUTHOR: Vinogradov, G. A.; Kalutskiy, G. Ya.; Ruvinskiy, S. M.
44,55 44,55 44,55

TITLE: Fabrication of steel-aluminum wire by a powder-metallurgical method
44,55 18

SOURCE: Poroshkovaya metallurgiya, no. 10, 1965, 11-18

TOPIC TAGS: electric wire, electric cable, aluminum powder, steel, metal rolling, bimetal

ABSTRACT: The use of steel-aluminum wire in electric transmission lines and cables is highly advantageous, chiefly because its corrosion resistance is virtually as high as that of pure electrolytic copper. Its production, however, is difficult owing to the considerable difference between the melting points and plasticities of aluminum and steel. In this connection, on the basis of a recently developed method of producing bimetal sheets by rolling powder onto a compact substrate (G. A. Vinogradov, Yu. N. Semenov, Prokatka metallicheskikh poroshkov, Metallurgizdat, 1960), the authors explored the possibility of producing bimetal steel-aluminum wire by hot rolling of aluminum powder onto steel wire with subsequent cold roll compacting to assure an adequate interlocking between sheath and core. The core used in the experiments was low-carbon steel wire of 5 mm diameter (0.05% C, 0.02% Si, 0.26% Mn) and Al powder (0.46% Fe, 0.18% Si, < 0.001% Cu). The sequence of operations was as follows:

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L 5324-66

ACC NR: AP5026270

7

surface treatment of steel wire (degreasing, etc.); preheating of steel wire, rolling of aluminum powder onto steel wire with subsequent roll compacting; heat treatment of the wire and its reeling into coils. To this end, a special rolling mill with one breakdown stand and two finishing stands was designed as well. The wire thus produced displays mechanical and technological properties which meet the requirements of the cable industry for bimetal steel-aluminum wire. The electric conduction of the powdered-metal aluminum sheath does not differ from the electric conduction of rolled aluminum ingots. Orig. art. has: 4 figures, 3 tables.

ASSOCIATION: Institut problem materialovedeniya AN UkrSSR (Institute for the Study of Materials, AN UkrSSR)

SUBMITTED: 15Mar65 ENCL: 00 SUB CODE: MM, IE

NO REF SOV: 005 OTHER: 000

Cladding

Card 2/2

L 18875-66 EPF(n)-2/EWP(k)/EWT(m)/ETC(f)/EWG(m)/T/EWP(t)/EWP(e) IJP(c)

ACC NR: AP5022542 DS/JD/HW/JG SOURCE CODE: UR/0226/65/000/009/0028/0033

AUTHOR: Katrus, O. A.; Vinogradov, G. A.

ORG: Institute of Problems of Science of Material, AN UkrSSR (Institut problem materialovedeniya AN UkrSSR) 77 B

TITLE: Experience in manufacturing electrodes by rolling powders 2,11,55 18 44,55 18

SOURCE: Poroshkovaya metallurgiya, no. 9, 1965, 28-33

TOPIC TAGS: metal powder, electrode ~~metallized~~, wear resistant alloy, metal surfacing, metal rolling, die

ABSTRACT: The technology of manufacturing electrode strips for mechanized surfacing of machine parts by a wear resistant aging alloy Fe-Co-Mo has been worked out. Plant tests of cut dies built up by means of these electrodes in accordance with the technology elaborated by the Institute of Electric Welding im. Ye. O. Paton of the Academy of Sciences UkrSSR, gave good results. Orig. art. has: 5 figures and 1 table. [Based on author's abstract.] [NT]

SUB CODE: 09,13,11/SUBM DATE: 15Jun64/ ORIG REF: 001/

Card 1/1

L 18874-66 EWP(k)/EWT(m)/EWP(e)/EWP(t) IJP(c) JD/HW

ACC NR: AP5022543 SOURCE CODE: UR/0226/65/000/009/0034/0039

AUTHOR: Vinogradov, G. A.; Katashinskiy, V. P. 50 B

ORG: Institute of the Science of Material Problems, AN UkrSSR (Institut problem materialovedeniya AN UkrSSR)

TITLE: Angular parameters of the process of rolling metal powders 14,44,55

SOURCE: Poroshkovaya metallurgiya, no. 9, 1965, 34-39

TOPIC TAGS: metal powder, aluminum powder, iron powder, metal rolling, pressure effect, deformation rate

ABSTRACT: Regularities of changes in the central angle α_p depending on the maximum specific pressure during rolling of aluminum, iron, copper, and nickel powders, as well as the regularity of the relation of the angle α_p to the thickness of the strip during changes under condition of feeding the powder in the deformation zone have been established. The nature of changes and magnitude of the neutral angle on rolling iron, copper, and nickel powders are shown. Orig. art. has: 4 figures, 1 formula, and 1 table. [Based on authors' abstract.] [NT]

SUB CODE: 11/3/ SUBM DATE: 15Aug64/ ORIG REF: 014/ OTH REF: 001/

Card 1/1

L 20251-66 EWP(e)/EWT(m)/EWP(t)/EWP(k) JD/HW

ACC NR: AP5013246 SOURCE CODE: UR/0226/65/000/005/0009/0016

AUTHOR: Katashinskiy, V. P.; Vinogradov, G. A.

ORG: Institute of Problems of the Science of Materials, AN UkrSSR (Institut problem materialovedeniya AN UkrSSR)

TITLE: Investigation of the compressibility of metal powders during rolling

SOURCE: Poroshkovaya metallurgiya, no. 5, 1965, 9-16

TOPIC TAGS: metal rolling, iron powder, powder metal molding, high pressure extrusion, metallurgic process

ABSTRACT: The process of molding rolled stock from iron powder and a mixture of powders has been investigated. It was found that the granulometric composition of iron powder within investigated limits does not affect the dependence of the density of the maximum specific pressure of rolling. The feeding of powder into the deformation zone, which has a strong effect on the thickness of the strip, does not affect the density of the maximum specific pressure dependence. There is a definite density limit for each powder and each mixture of powders, depending on the plasticity of components. It is practically impossible to exceed this limit with the ordinary method of rolling. Orig. art. has: 7 figures and 3 tables. [Based on author's abstract.]

SUB CODE: 11, 13/ SUBM DATE: 04Apr64/ ORIG REF: 005/ OTH REF: 001/

Card 1/1 FW

VINOGRADOV, G.A., inzh.; YESIN, M.I.

Specialists in rapid repairing. Metallurg 7 no.4:17-19 Ap '62.
(MIRA 15:3)

1. TSentral'naya zavodskaya laboratoriya Kuznetskogo metallurgicheskogo kombinata (for Vinogradov). 2. Nachal'nik smeny martenovskogo tsekha No.1 Kuznetskogo metallurgicheskogo kombinata (for Yesin).

(Novokuznetsk—Open-hearth furnaces—Maintenance and repair)

VINOGRADOV, G. V., and [illegible], P. P.

"Flow birefringence of concentrated polymer solutions," a paper presented at the 9th Congress on the Chemistry and Physics of High Polymers, 28 Jan-2 Feb 57, Moscow, Physical Chemistry Research Inst.

B-3,084,395

ACCESSION NR: AP5013[illegible]3

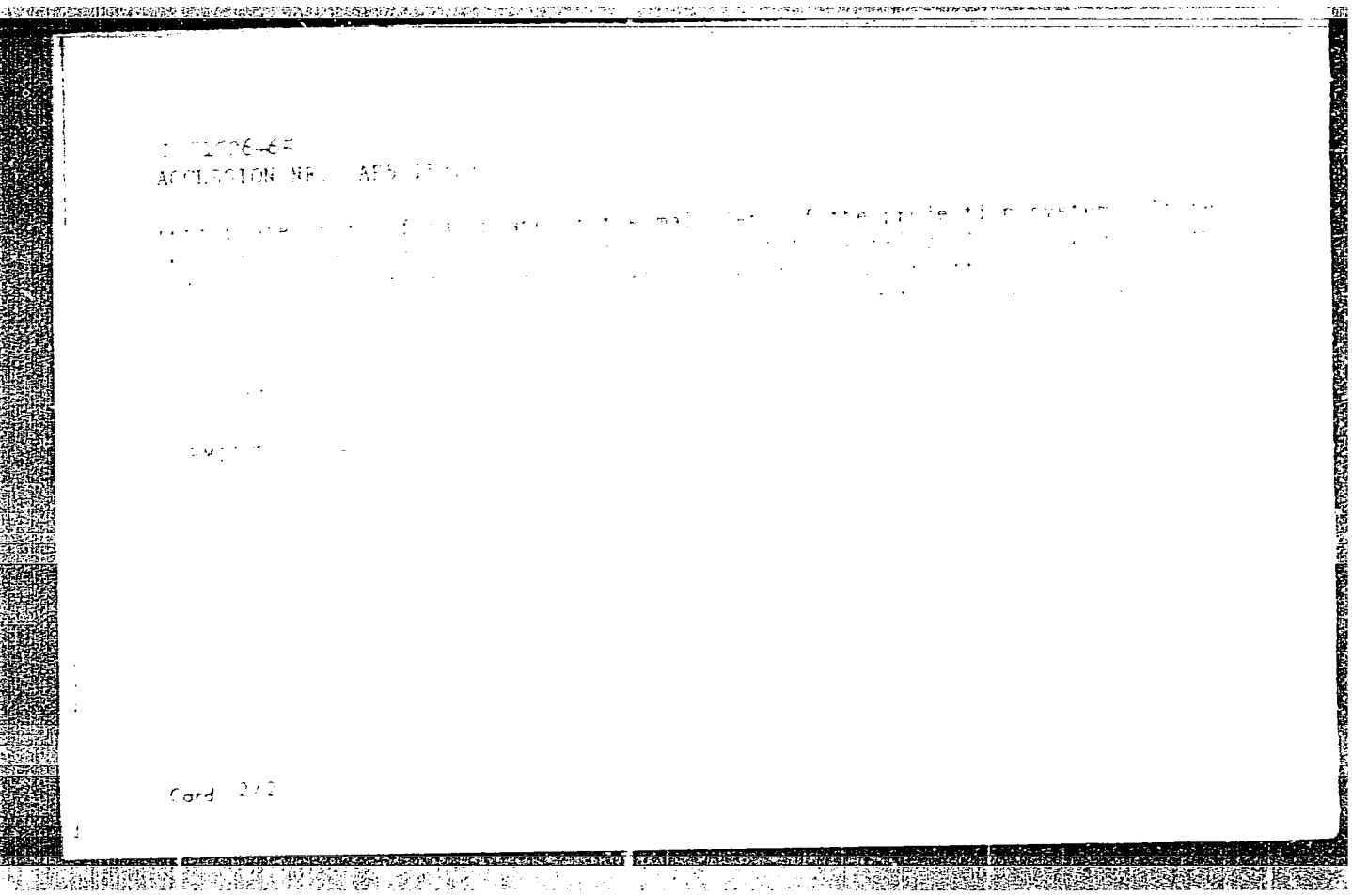
[illegible]

Yu. V.; Golubovskiy, Yu. M., [illegible]; Nefedov, B. L.; Tkachuk, N. N.; Rodzevich, I. V.; Samurov, L. A.

[illegible]

tube which contains an optical system for projecting an image [illegible] on a reflecting autocollimation mirror. The optical system then projects the auto collimation image onto photocells which are connected in an electric measuring circuit. This circuit puts out a signal which corresponds [illegible] sight axis of the optical system with respect to the autocollimation mirror. The [illegible] is designed for reliable operation and simplified construction.

Card 1/2



Card 2/2

Z/011/62/019/001/011/017
E073/E136

AUTHORS: Vinogradov, G.B., and Lien Kuo-liu

TITLE: Influence of oxidation inhibitors and oxidation-promoting agents on the lubrication ability of petroleum oils

PERIODICAL: Chemie a chemická technologie. Přehled technické a hospodářské literatury, v.19, no.1, 1962, 34, abstract Ch 62-466. (Neftekhimiya, v.1, no.3, 1961, 427-432).

TEXT: The lubrication capacity of oils between two steel surfaces is influenced by a number of factors which are associated with the processes of oxidation of the metal and the oil, for instance the presence of molecular oxygen, additives, oxidation products of metals and lubricants. Saturation of the friction zone with oxygen can be achieved by organic oxygen compounds which have a sufficiently high reactivity.
4 figures, 13 references.
[Abstractor's note: Complete translation.]

Card 1/1

VINOGRADOV, G.F.; MISHCHENKO, V.S.

Massif of the secondary quartzites of Mount Mayatas.
Sbor.nauch.rab.Kiev.un. no.1:26-34 '63.
(MIRA 18:11)

[illegible], G.I. [illegible], P.M.]

[illegible] of pyroxene-plagioclase [illegible] in the middle Bug Valley. Geol. zhur. [illegible] '65. (MIRA 18:11)

1. Pobuzhskaya ekspeditsiya tresta "Kiyevgeologiya".

LIPNITSKIY, M.Ye., kand. tekhn. nauk; GORENSHTEYN, B.V., kand. tekhn. nauk; VINOGRADOV, G.G., inzh.; ODINOV, N.I., inzh. nauchn. red.

[Reinforced concrete three-dimensional roofs for buildings] Zhelezobetonnye prostranstvennye pokrytiia zdanii. Leningrad, Stroiizdat, 1965. 473 p. (MIRA 19:1)

VINOGRADOV, G.G. [Vynohradov, H.H.]; DIDKOVSKIY, V.Ya. [Didkovs'kyi, V.IA.]

New data on the age and volume of the "Balta series." Geol. zhur. 24 no.1: 77-82 '64. (MIRA 18:7)

1. Trest "Kiyevgeologiya" i Institut geologicheskikh nauk AN UkrSSR.

PAVLOV, A.P., doktor tekhn. nauk; GORENSHTEYN, B.V., kand. tekhn. nauk; VINOGRADOV, G.G., inzh.; SPIRIDONOVA, L.Ye., inzh.; BEKMURZIN, A.G., inzh.

Results of using cylindrical shells. Bet. i zhel.-bet. 9 no.11:489-495 N '63. (MIRA 17:1)

1. Leningradskiy inzhenerno-stroitel'nyy institut (for Pavlov).

VINOGRADOV, G.I.; GRUTMAN, M.I.; GYULLING, E.V., (Kiyev)

Mechanism of a secondary drop in erythrocyte count and hemoglobin in high mountain areas. Pat. fiziol. i eksp. terap. 6 no.6:27-29 N-D'62 (MIRA 17:3)

1. Iz laboratorii sravnitel'noy i vozrastnoy fiziologii (rukovoditel' - deystvitel'nyy chlen AMN SSSR prof. N.N.Sirotnin) Instituta fiziologii imeni A.A.Bogomol'tsa.

L 12316-63 EWP(j)/EWT(m)/BDS ASD/AFFTC Pc-4 RM
S/081/63/000/005/073/075 59

AUTHOR: Moryganov, P. V., Mel'nikov, B. N. and Vinogradov, G. I.

TITLE: A possibility of intensification of the dyeing process of nylon with formation of insoluble oxyazo dyes on fibers

PERIODICAL: Referativnyy zhurnal, Khimiya, no. 5, 1963, 645, abstract 5T492 (Izv. bysh. ucheb. zabedeniyy. Tekhnol. tekstil'nikh. prom-sty, 1962, no. 3, 107-144)

TEXT: An investigation of the possibility of intensifying the dyeing process was conducted with the purpose of developing conditions for continuous dyeing of polyamide fibers with oxyazo dyes which form on the fibers and are insoluble in water. On the basis of the analysis of spectrophotometric curves of the alkaline solutions of azotholes (AZ) and their solutions in dimethylformamide (DMF) it was established that solution of AZ in DMF is accompanied by a bathochromic displacement of absorption bands in comparison with alkaline systems, which could be attributed to the interaction of AZ with DMF. The affinity values of azotol A for MNA comprises 4.12 k cal/mole and for PA 8 k cal/mole. The sorption of A by the fibers increases with an increase in concentration of water in the DMF solution. In the 10 - 20 % concentration limits of AZ, the property of DMF to cause the swelling of

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L 12316-63

A possibility of intensification ....

the fiber rather than to interact with the solvent becomes apparent. In higher concentrations of DMF its tendency to interact with AZ and to decrease its relationship to the fiber is observed. With rise in temperature, the absorption of AZ by the fiber in the presence of DMF increases, and it decreases in AZ suspensions in water-leucanol. In the presence of DMF the speed of diffusion of AZ and azoamines in the fiber rises sharply. The article gives diffusion coefficients of azotoles A, MNA, PA into the fiber for water-leucanol and in water containing DMF suspensions. The magnitude of the change of heat contents and relationships for the same systems were calculated. A method was developed for continuous dyeing of nylon fibric with formation of insoluble oxyazo-dyes on its surface. A. Boldenko.

[Abstractor's note: Complete translation]

Card 2/2

VINOGRADOV, Gennadiy Konstantinovich, kand. tekhn. nauk; ALYAB'YEV, V.I., red.; POLYAKOVA, B.Kh., red. izd-va; RUYZMAN, Ye.Ya., tekhn. red.

[Setting up and servicing lumbering operations] Podgotovka i obsluzhivanie lesozagotovitel'nogo proizvodstva. Moskva, Goslesbumizdat, 1958. 127 p. (MIRA 11:10)
(Lumbering)

PUZAKO, V.D.; MUZGIN, V.N.; VINOGRADOV, G.K.

Settling of kaolin suspensions under the effect of a flocculating agent. Izv.vys.ucheb.zav.;khim.i khim.tekh. 4 no.3:509-511 '61. (MIRA 14:10)

1. Ural'skiy politekhnicheskiy institut imeni Kirova, kafedra radiokhimii.
(Kaolin)

VINOGRADOV, G.M.

Night sanatoriums for Moscow enterprises. Gor. khoz. Mosk. 36 no.10:32-34 O '62. (MIRA 15:12)

1. Glavnyy inzh. Proyektnogo instituta Ministerstva zdravookhraneniya RSFSR.
(Moscow—Sanatoriums)

YANOVSKIY, YU.G., VINOGRADOV, G.M., KRASHENNIKOV, S.K., SHIFMAN, V.S.
DEMISHEV, G.K., ZELENOV, YU.V.

Apparatus for testing polymers with audio-frequencies.

Report presented at the 13th Conference on High-molecular compounds, Moscow, 8-11 Oct 62

SMIRNOV, V.P., inzh., red.; KULAKOV, D.V., arkhit., red.;
VINOGRADOV, G.M., inzh., red.

[Construction specifications and regulations] Stroitel'-
nye normy i pravila. Moskva, Stroiizdat. Pt.2. Sec.L.
Ch.10. [Sanatoriums,; specifications for designs] Sana-
torii; norm·· proektirovaniia (SNiP II-L. 10-62). 1964. 15 p.
(MIRA 17:10)

1. Russia 1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva. 2. Gosstroy SSSR (for Smirnov) 3. Gosudar-
stvennyy komitet po grazhdanskomu stroitel'stvu i arkhitek-
ture pri Gosstroye SSSR (for Kulakov). 4. Proyektnyy institut
Ministerstva zdravookhraneniya RSFSR (for Vinogradov).

VINOGRADOV, G.M., inzh.; GREBTSOV, P.P., red.; BASHMAKOV, G.M., tekhn. red.

[Breef handbook on the construction of rural medical institutions] Kratkii spravochnik po stroitel'stvu sel'skikh lechebnykh uchrezhdenii. Moskva, Medgiz, 1963. 95 p. (MIRA 16:12)

(HOSPITALS, RURAL—DESIGN AND CONSTRUCTION)

VINOGRADOV, G.M., inzhener.

Standard plans for preventive and therapeutic clinics. Gor.khoz. Mosk. 31 no.1:26-30 Ja '57. (MLRA 10:3)
(Hospitals) (Architecture--Designs and plans)

VINOGRADOV, G.M.

New standard plan for a rural feldsher-midwife station. Zdrav.Ros. Feder. 1 no.6:7-9 Je '57. (MLRA 10:8)

1. Direktor Proyektnogo instituta Ministerstva zdravookhraneniya RSFSR.
(HOSPITALS, RURAL—CONSTRUCTION)

VINOGRADOV, G.M.

Standard plan for a 120-bed hospital to treat somatic diseases.
Zdrav.Ros.Feder. 2 no.5:11-21 My '58. (MIRA 11:5)

1. Direktor Proyektnogo instituta Ministerstva zdravookhraneniya RSFSR.
(HOSPITALS)

VINOGRADOV, G.M.

VINOGRADOV, G.M. (Moskva)

Standard plan for a somatic hospital with 240 beds. Zdrav.Ros. Fed. 1 no.12:9-21 D '57. (MIRA 11:2)
(HOSPITALS--CONSTRUCTION)

VINOGRADOV, G.M.

VINOGRADOV, G.M.

Rural medical institutions should be constucted according to standard designs. Zdrav.Ros.Feder. 1 no.5:5-12 My '57. (MIRA 10:11)

1. Direktor Kurortsamproyekta.
(HOSPITALS, RURAL)

VINOGRADOV, G.M.

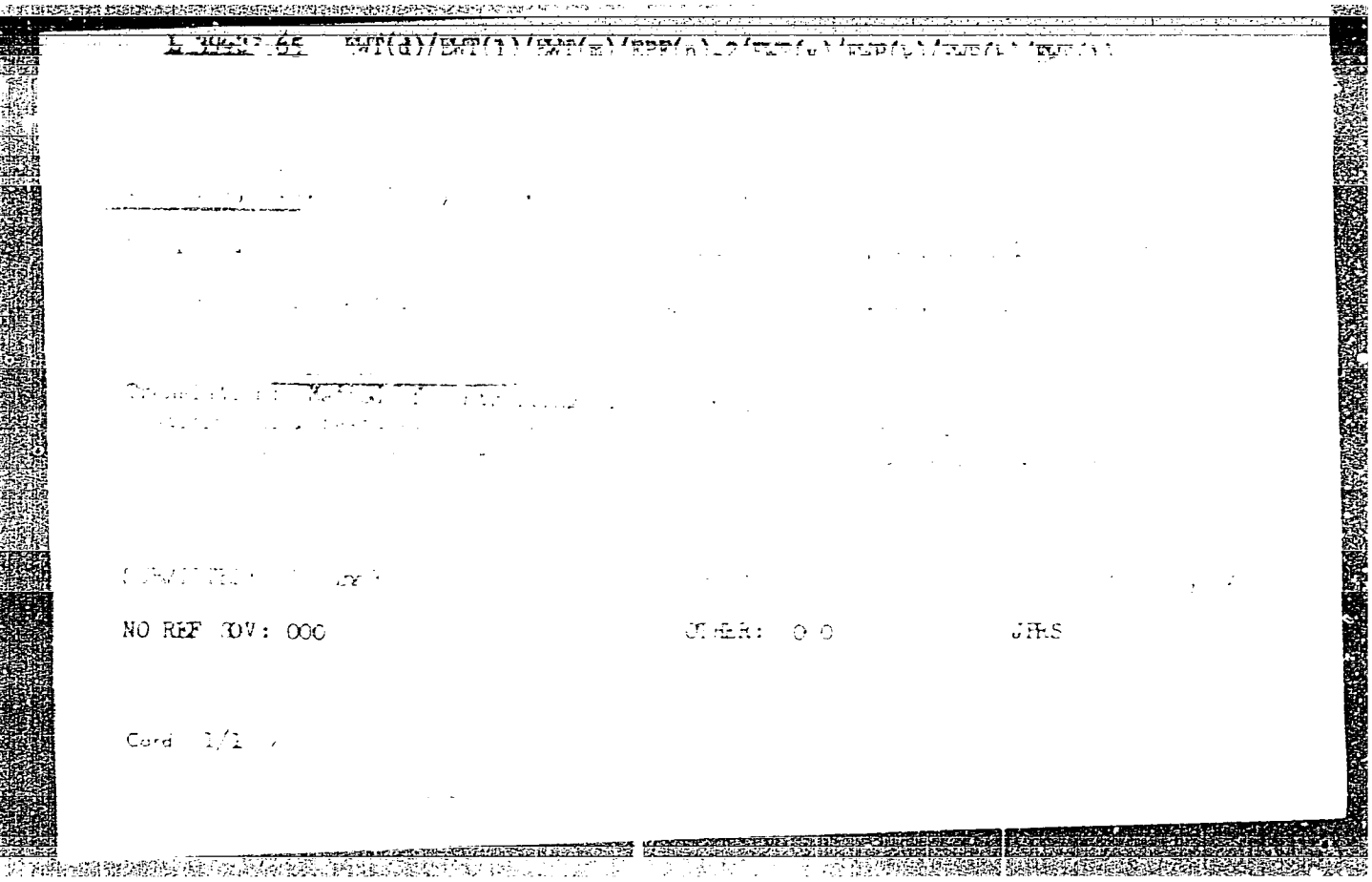
New standard designs for urban polyclinics. Zdrav. Ros. Feder. 5 no.5:28-37 My '61. (MIRA 14:5)

1. Glavnyy inzhener Proyektnogo instituta Ministerstva zdravookhraneniya RSFSR.

(HOSPITALS--CONSTRUCTION)

VINOGRADOV, G.M. (Moskva)

Standard plans for stomatological polyclinics. Zdrav. Ros. Feder. 4 no.8:29-34 Ag '60. (MIRA 13:9)
(HOSPITALS--CONSTRUCTION)



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Card 1/1

VINOGRADOV G.N.

BIKMAMATOV, Kh.D.; VINOGRADOV, G.N., redaktor

[Design and calculations for a semipressure cascade spillway] Konstruktsiia i raschet polunapornogo perepada. Frunze, Izd-vo Kirgizskogo filiala Akademii nauk SSSR, 1948. 40 p. (MLRA 7:10)
(Spillways)

VINOGRADOV, G. N.

Kirghizistan - Water Supply

Introduction. Trudy Sek. vod. khoz. KirFan SSSR no. 1, 1950.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

VINOGRADOV, G.N.

Kirghiz Branch of the Academy of Sciences of the U.S.S.R. in the service of the national economy of the Kirghiz S.S.R. Izv.KirFAN SSSR no.1/10:5-18 '51. (MLRA 8:1)

(Academy of Sciences of the Kirghiz S.S.R.)

VINOGRADOV, G.N.

Sprinkler irrigation and its use in Kirghizistan. Trudy Inst.vod. khoz.i energ.AN Kir.SSR no.1:3-16 '54. (MLRA 9:11)
(Kirghizistan--Sprinkler irrigation)

VINOGRADOV, G.P.; KOGAN, L.A.; TRESHCHALIN, I.M.; SARANTSEV, Yu.S., red.; BOBROVA, Ye.N., tekhn.red.

[Selecting parameters and efficient designs for freight cars] Vybor parametrov i konstruktivnykh skhem gruzovykh vagonov. Moskva, Izd-vo poligr. ob"edinenie m-va soob., 1960. 190 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no.189)
(Railroads--Freight cars)

VINOGRADOV, A.P.; TUGARINOV, A.I.; ZYKOV, S.I.; STUPNIKOVA, N.I.

Age of pegmatites of the Stanovoy complex. Geokhimiia no.5:383-391 '60. (MIRA 13:8)

1. Institut geokhimii i analiticheskoy khimii im. V.I.Vernadskogo AN SSSR, Moskva i Kafedra geokhimii Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.
(Stanovoy Range—Pegmatites)
(Geological time)

VINOGRADOV, G.P.; TRESHCHALIN, I.M.

Six-axle hopper cars of ninety-five ton capacity. Biul.tekh.-ekon. inform. no.6:69-70 '58. (MIRA 11:8)
(Railroads--Freight cars)

VINOGRADOV, G.P., kand.tekhn.nauk; TRESHCHALIN, I.M.

Outlook for freight car parameters. Vest. TSNII MPS [17] no.3:3-7 My '58. (MIRA 11:6)

(Railroads--Freight cars)

VINOGRADOV, G. P.

BARANOV, A.F., redaktor; RUDOY, E.F., redaktor; SOLOGUBOV, V.N., kandidat tekhnicheskikh nauk, otvetstvennyy redaktor toma; ALBEGOV, M.A., kandidat tekhnicheskikh nauk; VASIL'YEV, B.K., inzhener; VERSHINSKIY, S.V., kandidat tekhnicheskikh nauk; VINOGRADOV, G.P., kandidat tekhnicheskikh nauk; VINOKUROV, M.V., professor, doktor tekhnicheskikh nauk; GOLOVANOV, V.G., kandidat tekhnicheskikh nauk; GORDEYEV, A.S., dotsent, kandidat tekhnicheskikh nauk; GURSKIY,P.A., dotsent, kandidat tekhnicheskikh nauk; GUREVICH, A.N., kandidat tekhnicheskikh nauk; DOMBROVSKIY, A.B., dotsent; YEGORCHENKO, V.F., professor, doktor tekhnicheskikh nauk: IVANOV, V.N., professor, doktor tekhnicheskikh nauk; KARVATSKIY, B.L., professor, doktor tekhnicheskikh nauk; KOROLEV,K.P. professor, doktor tekhnicheskikh nauk; MUCHKIN, I.N., kandidat tekhnicheskikh nauk;POPOV, G.V.,inzhener; PROSKURNEV, P.G. inzhener;SAFON-TSEV, K.A., izhener: SEMICHASTNOV, I.F.dotsent, kandidat tekhnicheskikh nauk; SLOMYANSKIY, A.V., dotsent, kandidat tekhnicheskikh nauk; STEPANOV, A.D., dotsent, kandidat tekhnicheskikh nauk; SYROMYATNIKOV, S.P., akademik[deceased]; TERNOVSKIY,V.A.,dotsent; kandidat tekhnicheskikh nauk; TRUBETSKOY, V.A., kandidat tekhnicheskikh nauk, KHOKHLOV, N.F., kandidat tekhnicheskikh nauk; SHARONIN, V.S., kandidat tekhnicheskikh nauk; SHLYKOV, Yu.P.,dotsent, kandidat tekhnicheskikh nauk; YEVTUSHENKO, A.M. kandidat tekhnicheskikh nauk, retsenzent; IVANOV, V.N.,professor, doktor tekhnicheskikh nauk, retsenzent; PANOV, N.I., dotsent, kandidat tekhnicheskikh nauk, retsenzent; SLOMYANSKIY, A.V., dotsent, kandidat tekhnicheskikh nauk, retsenzent; UTYANSKIY, L.I., inzhener, retsenzent; METYKSA, V.M., professor, doktor tekhnicheskikh nauk, retsenzent;

(Continued on next card)

BARANOV, A.F., -- (Continued) Card 2.
TOPORNIN, G.S., inzhener, retsenzent; DOMBROVSKIY, A.B., dotsent; retsenzent; POYDO, A.A., kandidat tekhnicheskikh nauk, retsenzent; YAKOBSON, P.Ye., laureat Stalinskoy premii; dotsent; kandidat tekhnicheskikh nauk, retsenzent; POPOV. A.A., professor, doktor tekhnicheskikh nauk, retsenzent; PROSKURNEV, P.G., inzhener, retsenzent; SAFONTSEV, K.A , inzhener, retsenzent; SERAFIMOVICH, V.S., kandidat tekhnicheskikh nauk; retsenzent; TRAVIN, P.I., inzhener, retsenzent; FOKIN, K.F., kandidat t ekhnicheskikh nauk, retsenzent; SHCHERBAKOV, V.P., inzhener, retsenzent; SHADUR, L.A., dotsent; kandidat tekhnicheskikh nauk,retsenzent; TIKHONOV, P.S., inzhener retsenzent; TKACHENKO, F.D., inzhener; retsenzent; BABICHKOV, A.M. professor, doktor tekhnicheskikh nauk, retsenzent; KOROSTYLEV, A.I. inzhener, retsenzent; LEVITSKIY, V.S., dotsent; kandidat tekhnicheskikh nauk, retsenzent; KLYKOV, A.F., inzhener, retsenzent; SOLOGUBOV, V.N. redaktor; SHISHKIN, K.A., redaktor; SLOMYANSKIY, A.V. redaktor; SALENKO, S.V., redaktor; YUDZON, D.M. tekhnicheskiy redaktor.

[Technical reference book for railroad men] Tekhnicheskii spravochnik zheleznodorozhnika. Redaktsionnaia kollegiia: A. F. Baranov, i dr. Glav.redaktor. E. F. Rudoi. Moskva, Gos.transp.zhel-dor.izd-vo. Vol. 6 [Rolling stock] Podvizhnoi sostav. 1952. 955 p. (MLRA 8:9)
(Railroads--Rolling-stock)

ZINOGRADOV, [illegible]; GUDKOV, Vadim Nikolayevich; NAUMOV, Ivan Varfolomeyevich; BESHKENADZE, V.B., kandidat tekhnicheskikh nauk, redaktor.

[Investigation of the strength of parts for railroad car wheels] Issledovanie prochnosti elementov vagonnykh kolesnykh par. Moskva, 1957. 74 p. (Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy no.132). (MLRA 10:8)

1. Direktor Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnogo transporta (for Ivanov).
(Car axles)

VINOGRADOV, G.P.; TRESHCHALIN, I.M.; PRAVDIN, Zh.L.

New fittings for passenger cars. Trudy TSNII MPS 45:4-97 '51. (MLRA 7:10)
[Microfilm]
(Railroads--Passenger cars)

AUTHOR: [illegible]

ALFEROV, A.A.; ARTEMKIN, A.A.; ASHKENAZI, Ye.A.; VINOGRADOV, G.P.; GALEYEV, A.U.; GRIGOR'YEV, A.N.; D'YACHENKO, P.Ye.; ZALIT, N.N.; ZAKHAROV, P.M.; ZOBNIN, N.P.; IVANOV, I.I.; IL'IN, I.P.; KMETIK, P.I.; KUDRYASHOV, A.T.; LAPSHIN, F.A.; MOLYARCHUK, V.S.; PERTSOVSKIY, L.M.; POGODIN, A.M.; RUDOY, M.L.; SAVIN, K.D.; SIMONOV, K.S.; SITKOVSKIY, I.P.; SITNIK, M.D.; TETEREV, B.K.; TSETYRKIN, I.Ye.; TSUKANOV, P.P.; SHADIKYAN, V.S.; ADELUNG, N.N., retsenzent; AFANAS'YEV, Ye.V, retsenzent; VLASOV, V.I., retsenzent; VOROB'YEV, I.Ye., retsenzent; VORONOV, N.M., retsenzent; GRITCHENKO, V.A., retsenzent; ZHEREBIN, M.N., retsenzent; IVLIYEV, I.V., retsenzent; KAPORTSEV, N.V., retsenzent; KOCHUROV, P.M., retsenzent; KRIVORUCHKO, N.Z., retsenzent; KUCHKO, A.P., retsenzent; LOBANOV, V.V., retsenzent; MOROZOV, A.S., retsenzent; ORLOV, S.P., retsenzent; PAVLUSHKOV, E.D., retsenzent; POPOV, A.N., retsenzent; PROKOF'YEV, P.F., retsenzent; RAKOV, V.A., retsenzent; SINEGUBOV, N.I., retsenzent; TERENIN, D.F., retsenzent; TIKHOMIROV, I.G., retsenzent; URBAN, I.V., retsenzent; FIALKOVSKIY, I.A., retsenzent; CHEPYZHEV, B.F., retsenzent; SHEBYAKIN, O.S., retsenzent, SHCHERBAKOV, P.D., retsenzent; GARNYK, V.A., redaktor; LOMAGIN, N.A, redaktor; MORDVINKIN, N.A., redaktor; NAUMOV, A.N., redaktor; POBEDIN, V.F., redaktor; RYAZANTSEV, B.S., redaktor; TVERSKOY, K.N., redaktor; CHEREVATYY, N.S., redaktor; ARSHINOV, I.M., redaktor; BABELYAN, V.B., redaktor; BERNGARD, K.A., redaktor; VERSHINSKIY, S.V., redaktor; GAMBURG, Ye.Yu., redaktor; DERIBAS, A.T., redaktor; DOMBROVSKIY, K.I., redaktor; KORNEYEV, A.I., redaktor; MIKHEYEV, A.P., redaktor

(Continued on next card)

ALFEROV, A.A. ---- (continued) Card 2.
MOSKVIN, G.N., redaktor; RUBINSHTEYN, S.A., redaktor; TSYPIN, G.S., redaktor; CHERNYAVSKIY, V.Ya., redaktor; CHERNYSHEV, V.I., redaktor; CHERNYSHEV, M.A., redaktor; SHADUR, L.A., redaktor; SHISHKIN, K.A., redaktor

[Railroad handbook] Spravochnaia knizhka zheleznodorozhnika, Izd. 3-e, ispr. i dop. Pod obshchei red. V.A.Garnyka. Moskva, Gos. transp.zhel-dor. izd-vo, 1956. 1103 p. (MLRA 9:10)

1. Nauchno-tekhnicheskoye obshchestvo zheleznodorozhnogo transporta. (Railroads)

VINOGRADOV, G.P., kand.tekhn.nauk; TRESHCHALIN, I.M., kand.tekhn.nauk

Types and specifications of passenger cars of the near future.
Zhel.dor.transp. 42 no.9:52-56 S '60. (MIRA 13:9)
(Railroads--Passenger cars)

IL'IN, K.P., kand.tekhn.nauk; VINOGRADOV, G.P., kand.tekhn.nauk

Efficacity of the specialisation of freight cars. Zhel.dor. transp. 46 no.12:17-22 D '64. (MIRA 19:1)

PALATNIK, L.S.; VINOGOROV, G.R.; KAGAN, M.G.

Study of multicomponent heterogeneous systems by the phase mass method. Part 2. Zhur. fiz. khim. 34 no. 11:2396-2404 N '60. (MIRA 14:1)

1. Khar'kovskiy gosudarstvennyy universitet.
(Systems (Chemistry))

VINOGRADOV, G.S.

ALYAKRINSKIY, Yu.S.; VINOGRADOV, G.S., inzh., red.; GVIRTS, V.L., tekhn.red.

[Specialized closed divisions in machine shops; practices of the S.M.Kirov Hoisting and Conveying Equipment Plant] Predmetno-zamknutye uchastki v mekhano-obrabatyvaiushchikh tsekhakh; iz opyta zavoda pod'emno-transportnogo oborudovaniia imeni S.M.Kirova. Leningrad, 1955. 11 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Informatsionno-tekhnicheskii listok, no.116(804)) (MIRA 10:12)

(Machine shops)

VINOGRADOV, G.T., inzh.

Anchorless method for transfering heavy loads. Elek. sta. 32 no. 5:77-78 My '61. (MIRA 14:5)
(Hoisting machinery)

VINOGRADOV, G.T., inzh.

Use of gantry cranes with 20-ton capacity for hoisting loads up to 30 tons. Elek. sta. 34 no.8:65 Ag '63. (MIRA 16:11)

VINOGRADOV, G.T., inzhener.

Installing generator stators without a crane. Elek. sta. 27 no.10: 45-47 O '56. (MLRA 9:12)
(Electric generators)

VINOGRADOV, G.T., inzh.

Incident boom. Elek. sta. 31 no.12:47-50 D '60. (MIRA 14:5)
(Electric lines--Poles)
(Hoisting machinery)

VINOGRADOV, G. T.

AKBROYT, D..., inzhener; VINOGRADOV, G.T., inzhener; VOSKOBOYNIK, N.S., inzhener; ROYTMAN, B.M., inzhener.

Combined erection of boilers and metal structural elements using tower cranes. Elek.sta. 27 no.11:49-50 N '56. (MLRA 10:1)
(Cranes, derricks, etc) (Boilers) (Electric power plants)

VINOGRADOV, G.T., inzh.

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(Chimneys)

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Transporting masonry materials in assembling boilers. Energ. stroi. no.2:36-39 '59 (MIRA 13:3)

1. Trest "Mosenergostroy."
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SHEVYAKOV, L.D., akademik, redaktor; VESKOV, M.Ye., redaktor; SHUSHKOVSKAYA, Ye.L., redaktor; VINOGRADOV, G.V., redaktor; PROZOROVSKAYA, V.L., tekhnicheskiy redaktor; ALADOVA, Ye.I., tekhnicheskiy redaktor.

[Improving methods of mining Kuznetsk Basin thick coal seams by means of packing; based on materials from the coordinating conference held at Kemerovo, February 21-24, 1955] Sovershenstvovanie metodov razrabotki moshchnykh plastov Kuzbassa s zakladkoi; po materialam koordinatsionnogo soveshchaniia, sostoiavshegosia v Kemerove 21-24 fevralia 1955 g. Pod obshchei red. L.D.Sheviakova. Moskva, Ugletekhizdat, 1956. 339 p. (MLRA 9:6)

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1. Zamestitel' nachal'nika Yuzhno-Ural'skoy dorogi, Chelyabinsk.
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