\$/609/61/060/000/618/02 D205/D303

Reduction of warping of welded ...

in this case the partial hardening occurring during welding does not induce residual stresses near the joint. Various parameters of planticity were measured for welded and non-welded specimens, the results indicating that the welded samples possess almost the same plantleity as the non-welded. The fatigue limit at cyclical bending (20 x 10 cycles) was, however, superior in the non-welded samples (12 kg/mm²) as compared with the welded (5 kg/mm²). Conclusions: To lower stresses and prevent warping, articles made of the D20 alloy should be quenched in a heated medium. In order to increase the strength of welded constructions they should be welded in mardened or hardened and aged state. There are 1 figure and 5 tables.

Card 3/3

DOBATKIN, V.I.; KOZLOVSKAYA, V.P.; GOLOKHMATOVA, T.N.

Slaty structure of the fracture of extruded D16 aluminum alloy products. Metalloved. i term. obr. met. no.12:7-12 D'63. (MIRA 17:2)

8/2981/64/000/003/0237/0250

AUTHOR: Shilova, Ye. I.; Nikitayeva, O. G.; Kozlovskaya, V. P., Vasil'yeva, Ye. N

TITLE: Heat resistant alloy D 19

SOURCE: Alyuminiyevy*ye splavy*, no. 3, 1964. Deformiruyemy*ye splavy* (Malleable alloys), 237-250

TOPIC TAGS: aluminum, aluminum alloy, alloy D 19, heat resistant aluminum alloy, copper admixture, manganese admixture, magnesium admixture, duraluminum, duraluminum mechanical property, duraluminum corrosion resistance

ABSTRACT: According to its composition, the heat-resistant aluminum alloy D 19 of the Al-Cu-Mg-Mn system is an intermediate alloy between D 16 and D17, and is intended for sheets, pressed semifinished products, and rivet wire. The alloy contains 3.2-4.3% Cu, 1.8-2.6% Mn, 0.03-0.15% Ti, 0.0005-0.005% Be and no more than 0.3-0.5% Fe or Si, and 0.1% Zn. In the present paper, the authors report the results of a general investigation of the mechanical properties of D 19 alloy semifinished products. Initial studies concerned the influence of natural aging time (0-30 days) on the mechanical properties of quenched sheet specimens having various compositions, i.e.: Cu and Mg at the lower limit; Cu and Mg at the higher limit; Cu at the higher limit and Mg at the lower limit; Cu at the lower

APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000825920(

limit and Mg at the higher limit. Before quenching, the speciments were in the annealed or cold rolled condition. Other tests were made to determine the effect of heating to 200 and 250 C on the mechanical properties at room temperature of sheet specimens with different histories of heat-treatment and strain hardening. The mechanical properties of sheet and wire speciments were also determined at elevated temperatures (up to 300 C). Furthermore, creep rupture tests were performed on sheet specimens at 175-300 C, and zero-to-tension fatigue tests on specimens previously subjected to various heat treatments or strain hardening operations. Rivets of D 19 P and V 95 were tested at repeated zeroto-maximum shear loads at room temperature and at 175 C. Finally, specimens of D 19 and D 16 alloys under various conditions were tested for corrosion resistance in 3% NaCl or or 3% NaCl + 0.1% H2O2. On the basis of the results obtained, it was concluded that: the duraluminum type alloy D 19 is a heat-resistant alloy; at temperatures of 20 - 150 C its strength is equal to the strength of D 16 alloy, while at 170-250 C its strength is higher than that of D 16 alloy by approximately 8-10%. Under a repeated static load, the strength of D 19 alloy is similar to that of D 16. Alloy D 19 has a reduced rate of strengthening during natural aging; therefore, cold working operations can be performed with this alloy during a longer period of time (6-8 hours) than with alloy D'16; this property is particularly desirable for riveting material. Products made of alloy D 19, in contrast to D 16, do not exhibit a tendency to intergranular corrosion during heating in the temperature range

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150-250 C because of a more favorable phase composition. In this connection, semifinished products of D 19 alloy can be used in the naturally aged condition in structures working at 20-250 C. "The corrosion resistance was determined by Eng. S. M. Ambartsumyan, the tests with repeated shear loads were carried out by Eng. B. F. Bogdanov under the direction of Doct. Tech. Sci. N. I. Marin, and M. F. Akinfiyeva, V. N. Zhuravleva and T. N. Golokhmatova also took part in the experimental work." Orig. art. has: 5 figures and 8 tables.

ASSOCIATION: none

SUBMITTED: 60

DATE ACQ: 04Jun64

ENCL: 00

SUB CODE: MM

NO REF SOV: 004

OTHER: 000

Card 3/3

APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R0008259200

S/2981/64/000/003/0251/0262 ACCESSION NR: AT4037666 AUTHOR: Kozlovskaya, V. P., Vasil'yeva, N. I.; Nepomnyashchaya, E. Z. TITLE: Methods for eliminating the coarse-grained rim on pressed parts made of aluminum alloys SOURCE: Alyuminiyevy*ye splavy*, no. 3, 1964. Deformiruyemy*ye splavy* (Malleable alloys), 251-262 TOPIC TAGS: aluminum, aluminum alloy, pressed aluminum, coarse grained rim, manganese admixture, aluminum recrystallization, magnesium admixture, copper admixture, zirconium admixture, titanium admixture, iron admixture, aluminum alloy strength, aluminum alloy resistivity ABSTRACT: Recrystallization occurring during the heating of pressed aluminum alloys may result in a coarse-grained structure in the peripheral zone leading to a marked variation in the mechanical properties across the section. Previous experiments have shown that the formation of a coarse-grained rim can be combatted by the creation of uniform deformation during pressing and by slowing down the recrystallization. Furthermore, the depth of the coarse-grained rim depends significantly on the manganese content in the alloy. The present authors have carried out a systematic study on the effect of 1/6

alloying elements and admixtures tending to increase the recrystallization temperature of aluminum on the degree of formation of a coarse-grained rim in pressed aluminum alloys. Tests were performed on specimens of the Al-Cu-Mg-Mn type alloys D16, D19, D1 and VD17 and alloys AK8, AK6, and AD33. In addition to the formation of a coarse-grained rim the electrical resistivity and mechanical properties were investigated (see Figures 1 to 3 of the Enclosure). Finally, the effect of Zr, Fe, and Ti on the formation of a coarsegrained rim was studied in alloys D1, D16, and V95. On the basis of the results obtained, the authors conclude that the following factors slow down recrystallization and grain growth in the peripheral zone of pressed aluminum alloys: introduction of Mn, Zr or Cr as alloying elements; use of non-homogenized ingots for pressing; increasing the ingot and container temperatures during pressing; decreasing the quenching temperature and reducing the soaking time. Pressed products can be obtained from alloys D16, D1, AK8 and AK6 with a shallow-coarse-grained rim or no rim at all by pressing by the straight method without lubrication of the container; for this purpose, the minimal content of manganese is 0.6%, non-homogenized ingots should be used, the container temperature is 400-450C, and the ingot temperature is 420-450C. If the minimal content of manganese is set at 0.8%, however, then homogenized ingots can be used and pressing can be conducted at a lower ingot temperature (340-380C), resulting in shorter pressing cycles and, consequently in higher productivity. With alloy AD 33, pressed parts without a coarse-grained rim

2/6

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emperature of 400–4500 litimate strength is high act that measured leadi	im can be obtained at an ingot of the control of the control of the control of the coarse of temperature) lead to preserve to the coarse of th	is lower. This is a grained rim (incomparing of the pression o	is caused by the creasing the Mn ng effect.	X
SSOCIATION: None				
SUBMITTED: 00	DATE ACQ: 04Jun64	.	ENCL: 03	
SUB CODE: MM	NO REF SOV: 006		OTHER: 000	
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ACCESSION NR: AP4040685

S/0129/64/000/006/0005/0008

TITLE: The effect of iron on the formation of a coarse crystalline ferrule in Al-alloys

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 6, 1964, 5-8

AUTHOR: Gorelik, S. S.; Kozlovskaya, V. P.; Tomilova, L. A.

TOPIC TAGS: ferrule, crystalline ferrule, saturated solid solution, grain coarseness, Fe, Al alloy, recrystallization

ABSTRACT: The authors verify earlier investigations concerned with the formation of a coarse crystalline ferrule in saturated solid solutions. They also study the effect of individual alloying elements in different concentrations on the formation of ferrule. In this connection, the effect of Fe was observed in hot-pressed specimens. The authors account for the coarsening of the structure under the effect of Fe additions in excess of 0.2% to Al-Cu, Al-Mn, Al-Si, Al-Cu-Mn and "Dl6" alloys by the formation of finely dispersed and unevenly distributed particles of the ferrous second phase

during the decomposition of the saturated solid solution of Fe in Al in the process of pressing as well as by the local dissolution of the excess phases during hardening. The structure with a variable grain size that forms on the periphery of pressed 40 diam, 90 mm-long rods as a result of primary recrystallization tends to coarsen drastically during secondary recrystallization under the action of hardening. The higher the iron contents, the coarser the grains during secondary recrystallization. In the zone, around the core the grain size reaches a maximum after the addition of 0.16% Fe and decreases gradually upon further Fe additions. A zone of potentially coarse grained ferrule in hot-pressed Al alloys appears in the form of a dull ferrule with an etchability that differs from that of the core. The orig. art. has: 3 figures and 1 table.

ASSOCIATION: Moskovskiy institut stali i splavov. (Moscow Institute of Steel and Alloys)

SUBMITTED: 00

ENCL: 00

SUB CODE: NM

NR REF SOV: 004

· OTHER: OO1

L 13530-66 EWT(m)/T/EWP(t)/EWP(k)/EWP(b)/EWA(c) IJP(c) JD/HW
ACC NR: AP5028981 SOUTH CONTROL OF THE PROPERTY O

SOURCE CODE: UR/0149/65/000/004/0126/0130

AUTHOR: Gorelik, S. S.; Kozlovskaya, V. P.; Tomilova, L. A.

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ORG: Moscow Institute of Steel and Alloys, Radiography and Physics of Hetals Dept (Moskovskiy institut stali i splavov, Kafedra rentgenografii i fiziki metallov)

TITLE: Effect of mangamese on the formation of macrocrystalline rim around pressed aluminum-alloy products

SOURCE: IVUZ. Tsvetnaya metallurgiya, no. 4, 1965, 126-130

TOPIC TAGS: macrocrystalline rim, metal pressing, aluminum alloy, manganese, metal recrystallization, solid solution

ABSTRACT: According to V. P. Kozlovskaya et al. (Alyuminiyevyye splavy. Deformiruyemyye splavy. Mashgiz, v. 3, 1964), increasing the Mn content of aluminum alloys to 0.67 wt. is a means of combatting the formation of macrocrystalline rim by maintaining a recrystallized structure throughout the volume of the pressed product. Since, however, the determination of the mechanism of the effect of Mn on the formation of macrocrystalline rim on products made of industrial multicomponent alloys is difficult the authors investigated this mechanism for hot-pressed rods of binary alloys of the

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ACC NR. AP5028981

Al-Mn system following heat treatment (quenching from various temperatures in the 500-620°C range). Micro- and macrostructural examination confirmed that the formation of such rim takes place on heat treatment of products pressed from aluminum alloys representing supersaturated solid solutions. The (opaque) rim forms if the pressing is performed at temperatures (420-450°C) lying in the two-phase region and if the heating during heat treatment ls performed at a temperature at which particles of the disperse phase get intensively redissolved. The peripheral zone in which the rim forms on heat treatment is characterized by a more intensive decomposition of the solid solution and formation of heterograined structure (in the process of primary recrystallization) associated with nonuniform conditions of the growth of recrystallization nuclei owing to the nonuniform distribution of disperse particles. Like the decomposition, the dissolution proceeds more intensively in the rim zone and pertains primarily to the high-disperse particles of the second phase whose dissolution is evidently associated with the vigorous growth of the grains on secondary recrystallization, resulting in the formation of the macrocrystalline structure. Increasing the Mn content beyond the necessary minimum does not eliminate the possibility of rim-formation but merely displaces it in the direction of higher temperatures; at the same time this leads to an increasing anisotropy of grain size in the longitudinal cross section of the rim zone. Grain size in the direction at right angles to the pressing axis decreases whereas in the direction parallel to this axis it increases. Orig. art. has: 8 figures, 1 table.

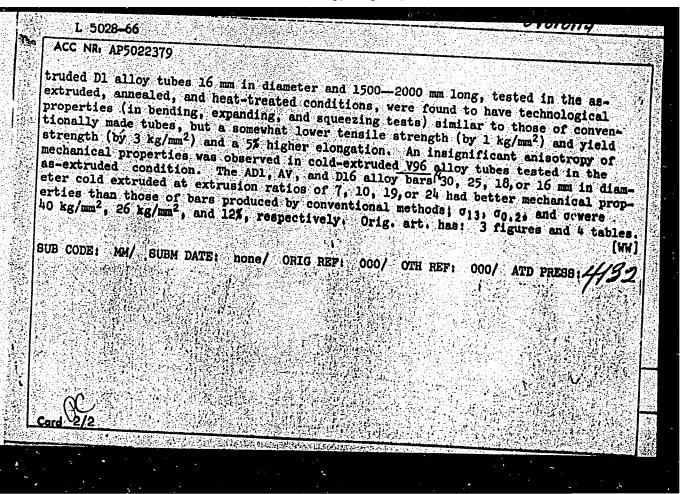
SUB CODE: 11, 13, 20/ SUBM DATE: 18Jun64/ ORIG REF: 004/ OTH REF: 000

Card 2/2/

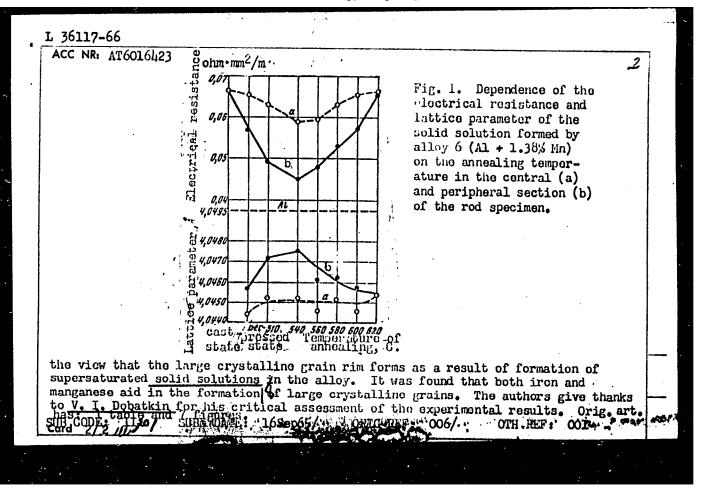
APPROVED FOR RELEASE: Monday, July 31, 2000

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L 5028-66 EWI(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c) ACC NR. AP5022379 MJW/JD/HW IJP(c) SOURCE CODE: UR/0136/65/000/009/0067/0071 AUTHOR: Kozlovskaya, V. P.; Bavykina, I. M.; Rad'kova, R. H. ORG: none Mechanical properties and structure of cold-extruded aluminum-alloy tubes and TITLE: bars . Tsyetnyye metally, no. 9, 1965, 67-71 SOURCE: TOPIC TAGS: aluminum alloy, alloy extrusion, extrusion, alloy tube, alloy bar, tube extrusion, bar extrusion, alloy mechanical property ABSTRACT: The feasibility of cold extrusion of aluminum alloy tubes and bars has been investigated. ADI AV. DI; and DI6 alloy tubes 9, 8, or 7.2 mm in diameter, with respective wall thickness of 1.5, L, or 1.1 mm, were cold extruded from hot extruded shells, at extrusion ratios of 14.2, 23.3 or 40. The mechanical properties of tubes 300—400 mm long were roughly equal to those of tubes produced by conventional methods (hot extrusion and cold rolling). For instance, cold-extruded DI6 alloy tubes after heat treatment had a tensile strength of 43-50 kg/mm², a yield strength of 26 to 38 kg/mm², and an elongation of 14-20%, compared to 42 kg/mm², 26 kg/mm², and 14%, respectively, for conventionally made tubes. The mechanical properties of coldextruded AV and Dl alloy tubes 1500 mm long decreased toward the rear end (a result of grain coarsening), but not below the values required by specifications. Cold-ex-669.715-126:621.78



EWT(m)/T/EWP(t)/ETI JH/JD/GD ACC NR AT6016423 (A) SOURCE CODE: UR/0000/65/000/000/0158 AUTHORS: Gorolik, S. S.; Kozlovskaya, V. P.; Tomilova, L. A. ORG: none TITLE: The machanism of formation of large crystalline grain rims in pressed objects manufactured from aluminum alloys SOURCE: AN SSSR. Institut metallurgii. Metallovedeniye legkikh splavov (Metallography of light alloys). Moscow, Izd-vo Nauka, 1965, 158-165 TOPIC TAGS: metal grain structure, aluminum alloy/ D16 aluminum alloy ABSTRACT: The mechanism of formation and the properties of the so-called large crystalline grain rim (which forms in aluminum alloy objects as a result of compression) were studied. The study was carried out on the following binary systems Al--Cuy Al--Mn, VAl--Mn, Al--Cu-Fe, and ternary systems Al--Cu-Mn, Al--Cu-Fe, Al--in--re, and Al--Si--Fe, as well as the quaternary system Al--Cu--Mn--Fe, the iron free alloy D16, and the alloy D16 containing 0.3% Fe. The macro- and microstructure and lattice parameters of the alloys were investigated as a function of annealing temperature and composition. The electrical resistance of the central, intermediate, and rim sections of rod specimens was determined. The effect of annealing temperature on the alloy grain size was also determined. The experimental results are presented in graphs and tables (see Fig. 1). These results corroborate



I 37165-66 EWT(m)/EWP(w)/T /EWP(t)/ETI IJP(c) JD/CD

ACC NR: AT6016424

SOURCE CODE: UR/0000/65/000/000/0166/0172

AUTHORS: Dobatkin, V. I.; Kozlovskaya, V. P.; Bavykina, I. M.

13

ORG: none

11

TITLE: Influence of structure on the mechanical properties of pressed products manufactured from alloy D16 for different types of applied loads

SOURCE: AN SSSR. Institut metallurgii. Metallovedeniye legkikh splavov (Metallog-raphy of light alloys). Moscow, Izd-vo Nauka, 1965, 166-172

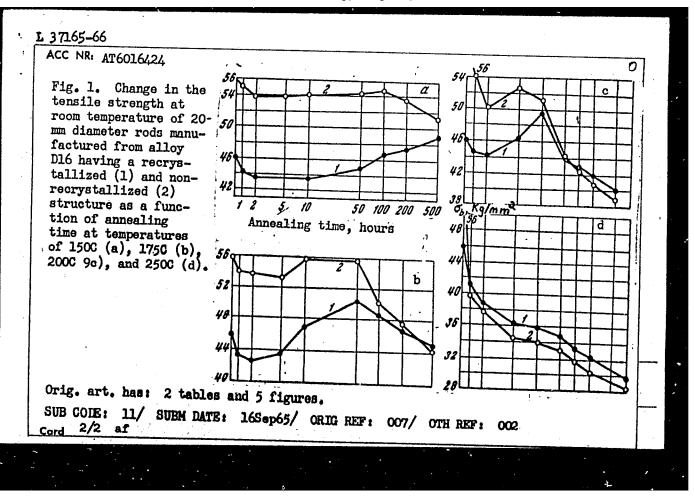
TOPIC TAGS: solid mechanical property, tensile strength, aluminum alloy / D16 aluminum alloy 4

ABSTRACT: The effect of recrystallization on the mechanical properties of parts manufactured from alloy DI6 was investigated. The investigation supplements the results of V. I. Dobatkin (O presseffekte v alyuminiyevykh splavakh, Sb. Issledovaniye splavov tsvetnykh metallov, vyp. 3 Izd-vo AN SSSR, 1962). The mechanical properties and microstructure of nonrecrystallized and recrystallized specimens were determined as a function of the type and magnitude of applied load. The experimental results are presented in graphs and tables (see Fig. 1). It was found that artificial aging of the alloy at elevated temperatures tended to smooth out any differences in the mechanical properties of non- and recrystallized specimens.

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APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R0008259200



KOZLOVSKAYA, V.P.; BAVYKINA, I.M.; RAD'KOVA, R.N.

Mechanical properties and structure of cold extruded aluminum alloy tubes and bars. TSvet. met. 38 no.9:67-71 S *65.

(MIRA 18:12)

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000825920

L 04193-67 EWT(m)/EWP(t)/ETI/EWP(k) 1JP(c) JB/184

ACC NR: AP6028590 (N) SOURCE CODE: UR/0129/66/000/008/0062/0064

AUTHOR: Raytbarg, L. Kh.; Kozlovskaya, V. P.; Babykina, I. F.; Petrov, Ye. A.

ORG: none

TITLE: The dependence of the properties of cold-extruded semifinished products made from aluminum alloys on the billet condition

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 8, 1966, 62-64

TOPIC TAGS: aluminum alloy, extrusion, extruded aluminum, mechanical property, heat treatment, cast structure, annealing, homogenization heat treatment, grain structure, metallographic examination / ADI aluminum alloy, AV aluminum alloy, AMg aluminum alloy, DI aluminum alloy

ABSTRACT: Optimal heat treatments were developed for aluminum alloy billets used in making cold-extruded tubes. Alloys AD1, AV, AMg, and D1 were extruded on a mechanical press into tubes having diameters of 15×12 , 16×14 , and 16×15 . The original temperature of $15-20^{\circ}\text{C}$ increased to $250-350^{\circ}\text{C}$ after extrusion. Mechanical properties are given for cast, annealed, and homogenized billets and tubes made from each. Cast and previously extruded billets of AD1 and AMg alloys performed identically in tube extrusion; extruded AV alloy billets had better yield strength and reduction in area; and annealed D1 billets had the highest plasticity. Microstructures of cast and ex-

UDC: 620.17:669.716:621.78

Card 1/2

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000825920

ACC NR: AP5028590

truded DI billets and the semifinished tubes made from these were shown. The grain structure of tubes made from cast billets was smaller and more uniform, while those made from extruded DI billets—large grained and elongated. Optimum quenching temperatures for cold extruded AV tubes were 515-520°C. By heating in a circulating—air pit furnace after quenching, the maximum properties were obtained after holding for 10 min; the properties did not improve if the holding time was increased to 30 min. An increase in quenching temperature from 480 to 500°C for alloy DI resulted in raising the yield strength by 2 kg/mm². Orig. art. has: 1 figure, 2 tables.

SUB CODE: 11,13,20/SUBM DATE: none

KOZLOVSKAYA, Ya.I.

Relationship between the principles of didactics during the process of studying foreign languages. Shor. metod. rab. Bel. politekh. instr no. 1:157-161 159. (MIRA 14:1) (Language and languages-Study and teaching)

YAMPOL'SKIY, Leonid Semenovich; KOZIOVSKAYA, Yadviga Kazimirovna; KUL'CHITSKAYA, O., red.; LEUSHCHENKO, N., tekhn. red.

[Civil engineering; an English language textbook] Civil engineering; uchebnoe posobie po angliiskomu iazyku.
Kiev, Gosstroiizdat, 1962. 338 p. (MIRA 16:7)
(Civil engineering)

KOZIOVSKAYA, Ye.

First attempts to work under new conditions; letter from Leningrad. Okhr. truda i sets. strakh. no.1:39-41 Jl *58. (MIRA 11:12)

1.Deverennyy vrach Leningradskego eblastnoge professional nego seveta pe Smol'ninskomu rayenu. (LENINGRAD PROVINCE-MEDICAL CARE),

KOZLOVSKAYA, Ye., doverennyy vrach

Great deeds of a small group. Okhr.truda i sots.strakh.
no.3:71-72 Mr 159. (MIRA 12:4)

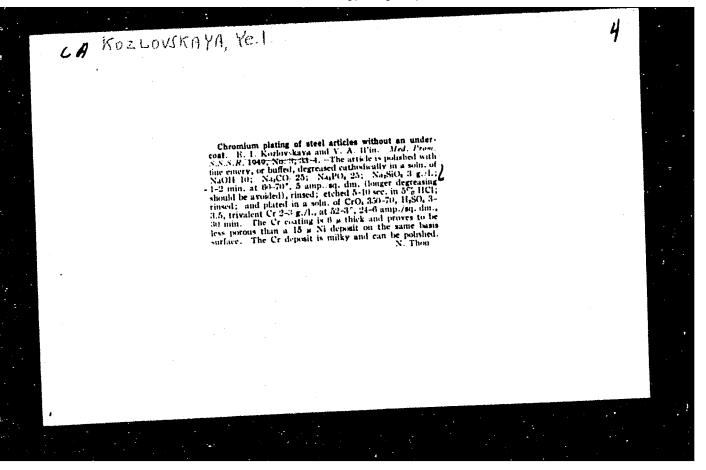
1. Leningradskiy sovprof.
(LENINGRAD-MEDICINE, INDUSTRIAL)

Out of touch with practical work.. Okhr.truda i sots.strakh.

no.5:54-56 My '59. (MIRA 12:9)

1. Doverennyy vrach soveta profsoyuzov.

(Medicine, Industrial--Research)



KOZLOVSKAYA, Ye. I.

USSR/Chemical Technology. Chemical Products and Their

I-9

I-9

Application - Silicates. Glass. Ceramics. Binders.

Abs Jour

: Referat Zhur - Khimiya, No 4, 1957, 12577

Author

Keler E.K., Kozlovskaya Ye.I., Nosikov O.V.

Title

Determination of Resilient Properties of Glass and Fine

Ceramics by the Ultrasonic Impulse Method

Orig Pub

Steklo i keramika, 1956, No 5, 7-13

Abstract

Investigations of the resilient properties of glass and fine ceramics have been carried out by the ultrasonic method developed by S.Ya. Sokolov, which is based on periodic emission of short ultrasonic impulses and their subsequent reception after passage over a given distance within the specimen. In the determinations is registered the time t during which the ultrasound covers the distance S, and propagation velocity of the ultrasound is determined. By means of suitable formulas a determination is made of the displacement modulus G, elasticity

Card 1/3

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APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R00082

USSR/Chemical Technology. Chemical Products and Their

Application - Silicates. Glass. Ceramics. Binders.

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12577

modulus E and Poisson coefficient 🍌 . The work was carried out with the use of S. Ya. Sokolov's flaw-detector UZD-12. The specimens used were bars 30x30x200 mm and 30x30x100 mm and circular rods d = 20-30 mm and 1 - 500 nm made from U-10 steel (standards), glass (window pane and optical) and ceramics (technical and insulator porcelain, radio ceramics). It was found that the resilience constants of the investigated materials, determined by the ultrasonic impulse method, have values which are sufficiently close to those known from literature sources. Discrepancy in values of the moduli G and E of the same specimen are within 1-2.5% for G and up to 4% for E. Different specimens made from the same material show a scattering in values of 1.2-13.5% for G and 3.0-14.5 for E. Study of the effects of temperature on the resilient properties of ceramics and glass did not reveal any

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Card 2/3

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825920

USSR/Chemical Technology. Chemical Products and Their

1-9

Application - Silicates. Glass. Ceramics. Binders.

Abs Jour

: Referat Zhur - Khimiya, No 4, 1957, 12577

changes therein up to the temperature of occurence of

plastic deformation.

Card 3/3

- 77 -

KOZLOVSKAVA, Ye. I.

20-2-16/50

AUTHORS:

Keler, E. K., Kozlowskaya, Ye. I.

TITLE:

The Elastic Properties of Glass (Ob uprugikh svoystvakh stokla)

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 116, Nr 2, pp. 221 - 224 (USSR)

ABSTRACT:

The present paper contains experimental data concerning the modification of the elastic properties of glass in the case of a torsion in dependence on temperature. It is known that glass, below the temperature at which softening begins, is a brittle solid body, and at room temperature it obeys Hooka's law up to the point of fracture. A diagram shows the curve deformation temperature of glass in the case of constant stress as well as the experimental curves of momentary elastic, delayed elstic, and remanent deformation. In the interval between 20° and the temperature T of beginning softening there is only a momentaneous, elastic deformation. In the interval between T and the temperature of the beginning of the delay of the deformation a delayed-clastic and a remanent deformation were observed. As soon as 720 is attained, the elastic deformations vanish nearly entirely, and instead remanent deformation develops. A second diagram illustrates the curve stress deformation of glass, i.e. the hysteresis loops for different stages of a truly elastic behavior of glass in the interval of temperatures

 $C_ard 1/2$

20-2-16/50

The Elastic Properties of Glass

of between 20° and T. The third diagram illustrates the dependence of deformation on time. The domains of these curves correspond to the following processes: momentary elastic deformation at the moment of stress, delayed elastic deformation, plastic flow, momentary-elastic restoration after removel of stress, delayed-elastic restoration. The experimental data found served as a basis of the determination of the shearing modulus of glass when heated. The dependence of the properties of glass on temperature studied here was observed by several authors in the case of different types of glass such as window glass, various types of optical glass, and in sodium-boron silicate glass. Also pure quartz glass was investigated. In conclusion something was said about the physical-chemical processes upon which the here discussed phenomena are based. There are 4 figures and 1 Slavic reference.

PRESENTED:

May 28, 1957, by A. A. Lebedev, Academician

SUBMITTED:

July 6, 1957

AVAILABLE:

Library of Congress

Card 2/2

AUTHORS:

Korelova, A. I., Candidate of Technical 50 1/30-53-6-17/45 Sciences, Shmidt, Yu. A., Candidate of Chemical Sciences,

Kozlovskaya, Ye. I.

TITLE:

Works Carried out by Hungarian Scientists in the Field of Chemistry and Silicate-Technology (Raboty vengerskikh uchenykh v oblasti khimii i tekhnologii silikatov)

PERIODICAL:

Vestnik Akademii nauk SSSR, 1958, Nr 6, pp. 92 - 94 (USSR)

ABSTRACT:

A group of collaborators of the Institute of Silicate-Chemistry of the AS USSR, together with the authors of this article, was sent to the Hungarian People's Democracy in December 1957 in order to become acquainted with the scientific works on the chemistry and technology of silicates (mainly glass and ceramics). These works were collected at the Institute of Chemical Research of the Hungarian AS, at the Central Research Laboratory for Building Materials, the Research Institute of the Chemical Heavy Industry, the professorial chairs of a number of universities, as well as at the laboratories of industrial plants. In Budapest and Vesprem they had the opportunity of becoming acquainted with

Card 1/3

Works Carried out by Hungarian Scientists in the Field SOV/50-58-6-17/45 of Chemistry and Silicate-Technology

the works by leading specialists in the field of the chemistry and technology of silicates:

1)I.Narai-Sabo, Institute of Chemical Investigations, investigates the relations between the structure and the properties of glass.
2)B.Lend'yel, Professorial Chair for General and Inorganic Chemistry, investigates the electric conductivity as well as the

mistry, investigates the electric conductivity as well as the dielectric properties of glass in dependence on both durability and structure.

3)E.Beretskiy, Professorial Chair of the Chemical-Technical College at Vesprem, investigates the composition and properties of various kinds of clay and kaolin occuring in Hungary for the purpose of replacing imported materials.

4)Ya.Grofohik, Institute of the Investigations of the Chemical Heavy Industry (Vesprem), investigates the process of the formation of mullite.

- 5)M. Korakh, Central Institute for the Investigation of Building Materials, investigates Hungarian minerals for the purpose of replacing imported raw-materials.
- 6)R.Moldvai, Technical College, produced and investigated ceramic masses in the Li₂O-Al₂O₃-SiO₂-system which have a negative thermal

Card 2/3

Works Carried out by Hungarian Scientists in the Field SOV30-58-6-17/45 of Chemistry and Silicate-Technology

coefficient of expansion.
7)L.Erdei proposed new methods of chemical analysis.
8)I.Shayo, Institute of Metallurgy, proposed rapid methods of the analysis of ore, minerals, silicates, slags, refractory materials and alloys, this method is based on the determination of components without separating the same.

1. Chemistry--Hungary 2. Scientific research--Hungary

Card 3/3

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3/058/61/000/008/025/044 A058/A101

AUTHOR:

Kozlovskaya, Ye. I.

TITLE

Blastic properties of glass as a function of temperature

PERIODIUAL:

Referativnyy zhurnal, Fizika, no. 8, 1961, 199, abstract 8D74 (V sb. "Stekloobrazn. sostoyaniye". M.-L., AS USSR, 1960, 387-391, Disc. 415-417)

TEXT: The author studied the distinctive features of the deformation of silicate glasses and materials of a mixed glass-crystalling type as a function of temperature, the character of the load and the time of its action. Measurements were carried out by static methods of torsion with mechanical and optical indicator systems. The results are presented graphically in the form of deformation versus temperature curves for optical and industrial glasses, fused quartz and glass. Incident to heating of the glass above mg its mechanical properties undergo pronounced changes connected with structural changes. The andothermic effects detected in the thermograms of the glasses in the temperature range mg mg (mg is the point of beginning of deformation delay) indicate that the structural changes are effected with absorption of heat. In the softening range

Card 1/2

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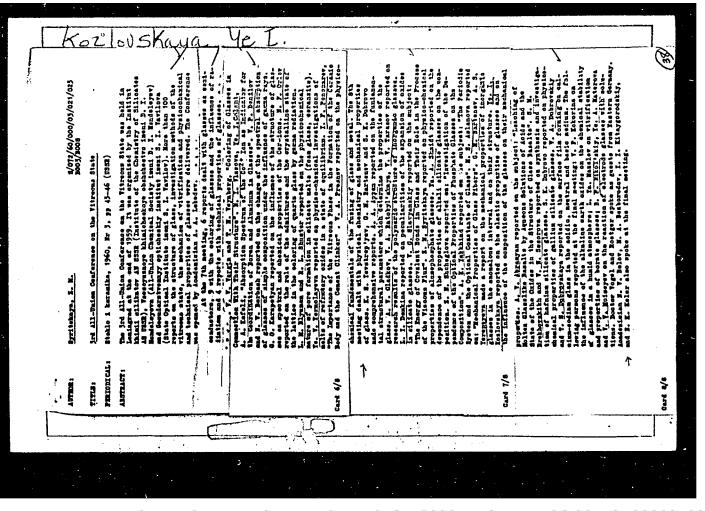
Elastic properties of glass ...

together with instantaneous-elastic deformation delayed-elastic and plastic deformation become characteristic. Experiments with mixtures of window pane and 40 - 20% Electrocorundum showed that the character of the deformation of the investigated materials is determined by the properties of the vitreous phase.

A. Yakhkind

[Abstracter's note: Complete translation]

Card 2/2



APPEN, A.A.; KOZLOVSKAYA, Ye.I.; GAN' FU-SU [Kan Fu-hsi]

Investigation of the elastic and acoustic properties of silica glasses. Zhur. prikl. khim. 34 no.5:975-981 My '61.

(Glass)

(Glass)

L 18964-63 EWP(q)/EWT(m)/BDS AFFTC/ASD Pq-4 WH/JD/JG ACCESSION NR: AP3006599 S/0020/63/151/006/1368/1370

AUTHORS: Keler, E. K.; Kozlovskaya, Ye. I.

TITLE: Elasticity and crystal formation in glasses.

SOURCE: AN SSSR. Doklady*, v. 151, no. 6, 1963, 1368-1370.

TOPIC TAGS: glass, heat treatment, glass crystallization, high temperature microscope, strength of glass, endothermic effect, exothermic effect, A1, K,

Li, Si, Mg, Ti.

ABSTRACT: Mechanical properties of A1-K-Li-Si and A1-Mg-Ti Si glasses were investigated. In temperature range from A0C to vitrification temperature (T_s), the glass deformation is uniform. From T_s to temperature of effective crystallization T_s, a sudden increase of deformation occurs. An exothermic effect accompanies this step. After that, deformation rate declines slightly. Then, with a further increase in temperature, a second increase of deformation takes place. After that, the deformation curve is parallel

Card 1/3

L. 18964-63

ACCESSION NR: AP3006599

to the abscissa up to temperature at which the glass completely liquefies. Decline and rise in deformation rate coincides with endo- or exothermic effects. Extent and nature of deformations was investigated by heat treatment and observation in high temperature microscope. These observations show that, up to temperature T, no crystal the formation can be observed, but, between temperatures T, T, which, with increase of temperature, grow in size until all modulus of elasticity of this structure at room temperature is higher than that of corresponding original glass. Orig. art. has: 4 figures.

ASSOCIATION:

Institut khimii silikatov im. I. V. Grebenshchikova Akademii nauk SSSR (Institute of silicate chemistry, Academy of sciences, SSSR).

Card

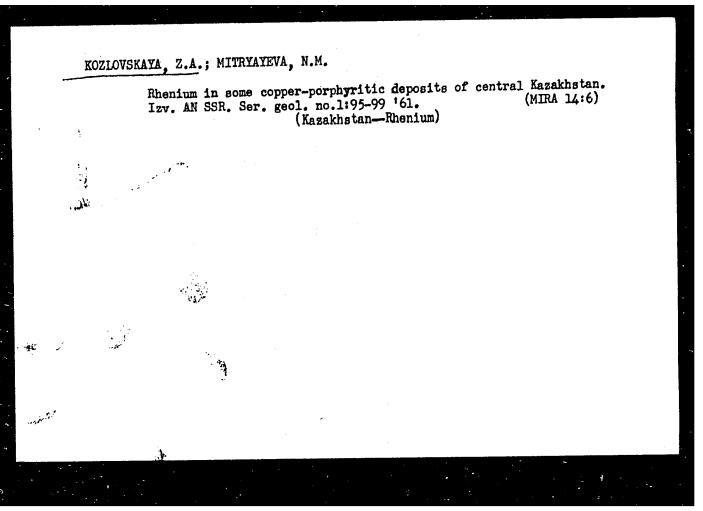
2/3

KOZLOVSKAYA, Z.A.

Nantokite from the zone of oxidation of the Dzhezkazgan deposit.

1zv. AN Kazakh. SSR. Ser. geol. no.1:45-50 '61. (MIRA 14:6)

(Dzhezkazgan District-Nantokite)



APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000825920(

AUBAKIROVA, R.B.; KOZLOVSKAYA, Z.A.; POTOK, S.I.; SHISHALOV, V.A.

Antofagastite and botallackite from the oxidation zone of the Dzhezkazgan deposit. Izv. AN Kazakh. SSR. Ser. geol. 21 no.5: 90-95 S-0 '64. (MIRA 18:5)

1. Institut geologicheskikh nauk im. K.I.Satpayeva AN KazSSR, Alma-Ata.

Experimental and clinical studies on hair growth stimulating effect of trichlorotriethylamine (TS-160). Suvrem. med., Sofia 8 no.10: 72-83 1957.

1. Iz Katedrata po farmakologiia pri VMI--Sofiia (zav. katedrata: prof. Nikolov) i Katedrata po dermatologiia pri VMI--Sofiia (cav. katedrata: prof. L. Popov).

(NITROGEN MUSTARDS, effects,
trichloroethylamine on hair growth (Bul))

(ETHYLAMINES, effects,
same)

(HAIR, effect of drugs on,
trichloroethylamines on growth (Bul))

ORAKHOVATS, D.; GOTSEV, T.; KOZLOVSKI, G.

On the effect of adrenalin on blood vessels of the lower extremities in man. Nauch. tr. vissh. med, inst. Sofia 39 no.2:1-14 '60.

1. Predstavena ot akad. D. Orakhovats, zav. Katedrata po fiziologiia, i ot prof. d-r L. Popov, zav. Katedrata po kozhno-venericheski bolesti.

(EPINEPHRINE pharmacol) (VASOMOTOR SYSTEM pharmacol)

GOTSEV, T.; KOZLOVSKI, G.

Effect of acetylcholine on blood vessels of the lower extremities in man. Nauch. tr. vissh. med. inst. Sofia 39 no.2:15-22 '60.

1. Predstavena ot akad. D. Orakhovats, zav. Katedrata po fiziologiia, i ot prof. d-r L. Popov, zav. Katedrata po kozhno-venericheski bolesti.

(ACETYLCHOLINE pharmacol) (VASCMOTOR SYSTEM pharmacol)

KOZLOVSKI, G.

BULGARIA

[Academic Degrees]

[Affiliation] Senior Assistant with the Skin Clinic of the Higher Medical Institute -- Sofia (Kozhna klinika na VMI -- Sofia).

[Source] Sofia, Sreden Meditsinski Rabotnik, No 5, 1962, pp 40-47.

[Data] "Care for the Skin."

KOZLOVSKI, G.

Correlation between the neurovegetative and allergic reactivity in some dermatoses. Dermato vener Sofia 2 no.1:14-16 163.

1. From the Chair of Skin and Venereal Diseases at the Higher Medical Institute, Sofia (Head of the Chair: Prof. L. Popov).

NIKOLOWA, t., KYGOOVSKI, G.

Uffactiveness of the ultravound treatment of objectionia. Carmuto when Sofia 3 roult29-31 164.

L. From the Physiothera entic Department at the dighe. Medical Institute, Sofia (Head: Nikolowa, L.) (kand. ha head, it idd)), and from the Chair of Skin and Venereal Diseases at the Head Medical Institute, Sofia (Acting Head: Prof. Kr. Tellerope).

KOZLOVSKIS, V., red.; EGLE, A., red.; ERENSTEINE, A., telhm. red.

[For high corn yield] Par augstu kukuruzas razu. Riga, Latvijas
Valsts izdevnieciba, 1959. 125 p. (MIRA 14:12)

(Latvia—Corn (Maize))

KOZLOVSKIY, A.A.

Effect of elk on the regeneration of pine and aspen in the central part of the European U.S.S.R. Soob. Inst.lesa no.13: 97-101 '59. (MIRA 13:2)

1. V_{Besoyuznyy} nauchno-issledovatel skiy institut lesovodstva i mekhanizatsii lesnogo khozyaystva. (Elk) (Pine) (Aspen)

KOZLOVSKIY, A.A.

[Protection of forests from damage caused by moose] Okhrana lesa ot povrezhdenii losiami. Moskva, 1960. 62 p. (MIRA 14:9) (Moose) (Forests and forestry)

KOZLOVSKIY, A. A.

Cand Agr Sci, Diss -- "Control of the elk population in forestry". Yelgava, 1961. 17 pp, 20 cm (Min of Agr LatvSSR. Latv Agr Acad), 300 copies, Not for sale (KL, No 9, 1961, p 186, No 24391). 261-511317

Reconstructing the burner unit of "IDEAL-MK" gype boilers.
Gor.khoz.Mosk. 24 no.2:36-37 F '50. (MLRA 7:11)

(Boilers)

KOZLOVSKIY, A.A.; IVANOV, V.A.

Building concrete bunkers in winter. Biul.stroi.tekh. 10 no.16:19 N '53.

(MLRA 6:11)

(Concrete construction--Cold weather conditions) (Ocal--Storage)

KOZLOVSKIY, A.A.; KORZHETSKIY, V.P., laureat Stalinskoy premii; POLYAKOV, V.G.; KHROMOVOY, A.P.; KOGAN, I.Y.; BAZANOV, A.F., laureat Stalinskoy premii.

The BTK-30 crane. Rats. i izobr. predl. v stroi. no.110:3-5 '55. (Cranes, derricks, etc.) (MLRA 8:10)

KOZIOVSKIY, A.A. inshener.

"Concrete-press" machine. Mekh.stroi.13 no.6:34-36 Je 156. (Reinforced concrete) (MIRA 9:9)

KOZIOVSKI, AAR.; KOGAN, I.Ya.; SMIRNOV, G.Ya.; POLYAKOV, V.G.;

KOZINTSKIY, V.P.; KHROMOV, P.P.

Equipment for a four-legged tower crame assuring efficient movement and operation within a small working range. Rats. i izobr. predl. v stroi. no.2:46-48 '57. (MIRA 11:1)

(Cranes, derricks, etc.)

STAROV, V.I.; SEYTMURATOVA, E.Yu.; KOZLOVSKIY, A.A.

Determining the relative age of nepheline syenites by the method of thermoluminescence. Trudy Inst. geol. nauk AN Kazakh. SSR 12: 129-132 165. (MIRA 18:9)

KOZLOVSKIY, A.A. podpolkovnik meditsinskoy sluzhby (L'vov)

Syndrome of Kojevnikoff's epilepsy of psychogenic and viral etiology. Vrach.delo no.12:1255-1257 D '56. (MIRA 12:10) (EPILEPSY)

Clinical aspects of universal cysticercosis. Vrach.delo no.1:89-91
Ja '58. (MIRA 11:3)

1. Nauchnyy rukovoditel'-zasl. deystel' nauki, prof. Ye.V.Maslov.
(CYSTIGHRGOSIS)

Somnambulism as a syndrome in certain brain diseases. Vrachidelo no.71751-753 J1-58 (MIRA 11:9) (SOMNAMBULISM) (BRAIN-DISEASES)

KOZLOVSKIY

Diagnostic value of intracutaneous administration of Margulis-Shubladze specific vaccine in certain neurotropic virus infections [with summary in French]. Zhur.nevr. i psikh. 58 no.6:681-685 '58 (MIRA 11:7)

1. (Konsul*tant - prof. Ye.V. Maslov).

(**NCEPHALOMYELITIS, diagnosis,

serol. with Margulis-shubladze vaccine (Rus))

(MIRA 16:9)

Viral encephalitis with the clinical aspects of somnam-

bulism. Vrach. delo no. 8:138-139 Ag 63. (ENCEPHALITIS) (SOMNAMBULISM)

KOZLOVSKIY, A.A.; SVETINSKIY, Ye.V.; STECHKINA, N.A.

Ramming unit on a MRSK-100 erecting crane base. Osn., fund. i mekh. grun. 5 no.4:18-20 '63. (MIRA 16:11)

YAKOVLEV, A. I., kand. tekhn. nauk; SVIRIDENKO, I. S., kand. tekhn. nauk; KOZLOVSKIY, A. B.

Characteristics of the performance of power transmissions in case of a joint and separate electric drive. Avt. prom. 29 no.5:31-33 My '63. (MIRA 16:4)

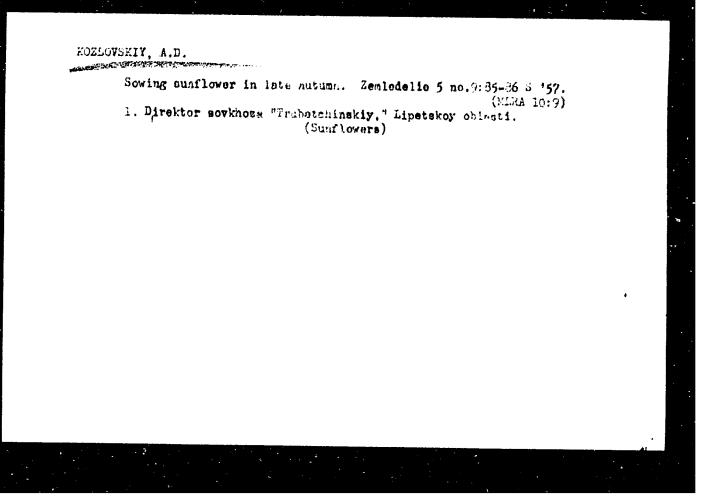
i.Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni nauchno-issledovatel skiy avtomobil'nyy i avtomotornyy institut i Akademiya kommunal'nogo khozyaystva.

(Motor vehicles—Power transmissions)
(Electric driving)

KOZLOVSKIY, A.D., inzh.; IERAGIMOV, F.A., inzh.

Instrument for determining the tension of wire reinforcement.

Trudy BashNIIStroi no.1:216-227 '62. (MIRA 17:3)



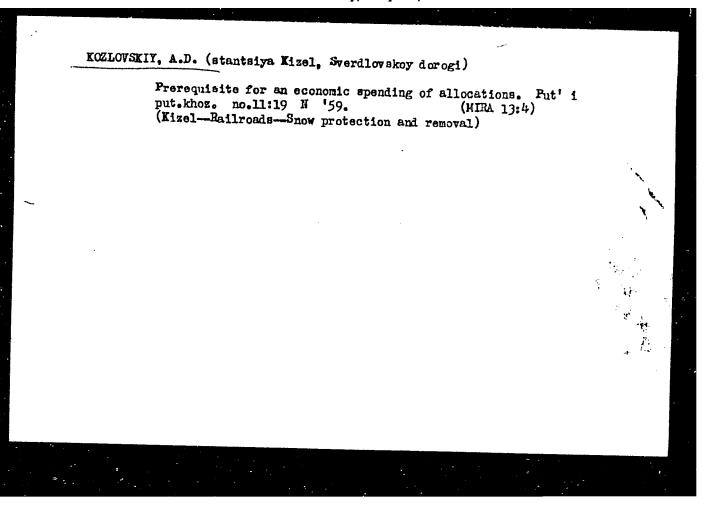
3

DEMICHEV, A.D.; KISELEV, V.F., starshiy dorozhnyy master (stantsiya Ira-Iol' Pechorskoy dorogi); KOZIOVSKIY.A.D.; KOMANDIN, A.A. starshiy dorozhnyy mester (stantsiya Polotsk Belorusskoy dorogi); KURS, V.G., brigadir puti(stantsiya Cheremkhovo Vostochno-Sibirskoy dorogi); PAVIOV, V.N., brigadir puti (stantsiya Cheremkhovo Vostochno-Sibirskoy dorogi); SHAKHBALAYEV, A.M., dorozhnyy master (stantsiya Zenzeli Ordzhonikidzevskoy dorogi); TARASENKO, V.Ye., dorozhnyy master (stantsiya Irkutsk II)

Letters to the editor. Put' i put.khoz. no.11:43-45 N 58.

1. Nachal'nik normativnoy stantsii tresta "Rekput". (for Demichev). 2. Zamestitel' nachal'nika distantsii, stantsiya Kizel Sverdlovskoy dorogi (for Kozlovskiy).

(Railroad engineering)



KOZLOVSKIY, A.D.

Increase the responsibility of the track forces foremen. Put! i put. khoz. 5 no.4:20 Ap !61. (MIRA 14:7)

1. Zamestitel' nachal'nika distantsii puti, st. Kizel, Sverdlovskoy dorogi.

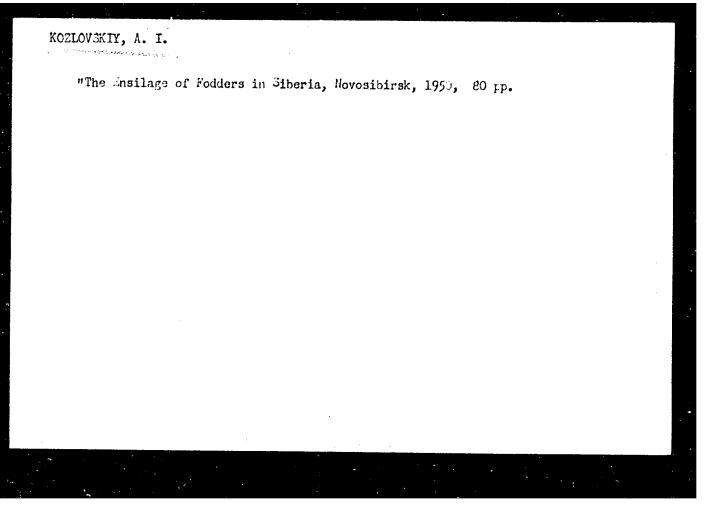
(Railroads—Employees) (Railroads—Track)

20351-66 EWT(m)/EWP(j) RM ACC NR: AP6012083 SOURCE CODE: UR/0062/65/000/003/0580/0580 46 AUTHOR: Nesmeyanov, A. N.; Kozlovskir, A. G.; Gubin, F. P.; Perevalova, E. G. ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet); Institute of Organoelemental Compounds, AN SSSR (Institut elementoorganicheskikh soyedineniy) TITLE: Protolysis of mercury derivatives of ferrocene SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 3, 1965, 580 TOPIC TAGS: titrimetry, ferrocene, mercury compound, dioxane, chlorine compound ABSTRACT: The Rate constants were determined for the protolysis of mercury derivatives of ferrocens -- chloromercuroferrocens and diferrocens-mercury using hydrochloric acid in 90% (by volume) aqueous dioxane. The quantity of acid not entering into reaction was determined by potentiometric titration. The reaction rate in all cases is described by a second-order kinetic equation. The protolysis rate of diferrocene mercury is six times greater than the cleavage rate of di-p-anisylmercury under the same conditions. Orig. art. has: 1 table. [JPRS] SUB CODE: 07 / SUBM DATE: 18Jan65 / ORIG REF: 002 UDC: 531.1+542.957 Card 1/1

KOZLOVSKIY, A. I.

35390 Meropriyatiya Po Uluchsheniyu Kormovoy Bazyzhivotnovolstva V Sibiri. V SB: Michurinskuyu Nauku-V Praktiku Zhivotnovodstva. Novosibirsk, 1949, S. 147-59

SO: Letopis' Zhurnal'n/kh Statey Vol. 3h, Moskva, 1949



KOZLOVSKIY, A. I.

"The Ensilage of Fodders in Siberia" Novosibirsk, 1950

Mikrobiologiya, VolXX, No 5, 1951 ➡-W-24635

KOZLOVSKIY, A. I.

Agriculture

Forage root crops, Novosibirsk, Novosibgiz, 1951.

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

KOZLOVSKIY, Anton Ignat'yevich.

Siberian Sci-Res Inst of Livestock Breeding, Academic degree of Doctor of Agricultural Sci-, based on his defense, 2 June 1954, in the Council of the All-Union Sci-Res Inst of orage imeni Vil'yams, of his dissertation entitled: "The Biological Foundations of Agrotechnics and Seed Sci of Forage Tubers in the Forest-Steppe Zone of Western Siberia.

A cademic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no 7, 26 Mar 55, Byulleten' MVO SSSR, No. 14, July Moscow pp 4-22, Uncl. JPRS/NY-429

KOZLOVSKIY A. L. doktor sel'skokhozyaystvennykh nauk; KOVALEV, V.N., kandidat sel'skokhozyaystvennykh nauk; ENMLIYENKO, V.K., nauchnyy sotrudnik; KAVUN, P.K., redaktor; PAVLOVA, M.M., tekhnicheskiy redaktor; BALLOD, A.I., tekhnicheskiy redaktor

[Corn in 1955] Kukuruza v 1955 godu. Moskva, Gos. izd-vo sel'khoz. lit-ry. no.5. [Siberian regions] Raiony Sibiri. 1956. 198 p.
(Siberia--Corn (Maize)) (MIRA 10:2)

KATYREV, A.Ye.; KAURTSEV, N.V.; KOZLOVSKIY, A.I., doktor sel'skokhozyaystvennykh nauk; KRASIKOV, Z.D., dotsent, kandidat sel'skokhozyaystvennykh nauk; SCBOLEVSKAYA, K.A.; LYKOV, M.S., redaktor; LISINA, V.M., tekhnicheskiy redaktor

[Experience in cultivating corn; based on papers at a province conference] Opyt vozdelyvaniia kukuruzy; po materialam oblastnoi konferentsii [Novosibirsk] Novosibirskoe kn-vo, 1956. 226 p.
(MLRA 9:12)

 Novosibirskiy sel'skokhozyaystvennyy institut (for Krasikov) (Corn (Maize))

KOZLOVSKIY A.
USSR/Cultivated Floats - Folders.

И.

Abs Jour

: Ref Whur - Biol., No 10, 1853, 44169

Author

: Kozlovskiy, A., Krotova, Y., Ziril'tsova, A.

Inst

: Siberian Scientific Riscord. Institute for Animal

Raising,

Title

: Combined Sowings of Corn will Legurinous Cultures.

Orig Pub

: S. Et. Sibiri, 1956, No 3, 27-29.

Abstract

: The 1954-1955 experiments of the Siterian Scientific and Research Institute of Ambiel Rusbandry showed that with are combined sowings of corn with leguminous collemes who approprie erop incremed (corn in pure form produced 313 contners/ha of green buth. Corn plus vete. 343 and corn plus peas 350 combiners/ic). The presence of the Legurinous plants in the crop increased the probein conbent to 22-49%. In dry years it is recommended to carry

Card 1/2

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USSR/Cultivated Flants - Fedders.

М.

Abs Jour : Ref Mur - Biol., No 10, 1950, 84169

but the sowing of vetel or peas into the corn sowings of the the harrowing of the sprouts and after the first caldivation between rows. -- Ye.T. Zhukovskaya

Card 2/2

- 92 -

US: R/Cultivated Plants - Grains

M-4

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1502

Author : A.I. Kozlovskiy, A.G. Kalinina

Inst : Not Given Title

: Selection of Varieties of Corn for Seed and Ensilage for

Cultivation in Siberia.

Orig Pub : Kukuruza, 1956, No 6, 28-30

Abstract : Results of experiments on corn varieties by the food production department of the Siberian National Research Institute

for livestock raising (conducted 1954-1955). In all the rayons of the steppe and forested steppe zone of Siberia, by caldivating medium early corn varieties (Voronezhskaya 76, Pervomayskaya, Perlovskaya) a good yield of cobs in the Lichic-waxy stage of ripeness and green stuff for the silo can be obtained. For the purpose of dry seed cultivation the

local early varieties and populations (local white, white messic) are useful. Late varieties yield very low crops of

cons having lactic and lactic-waxy ripeness (54 centures per Card : 1/2

AUSSR/Cultivated Plants - Grains

M-4

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1502

per hectare) and are cultivated especially for the silo and for green feed (the yield of green stuff is 500 centures per hectare and more).

Card : 2/2

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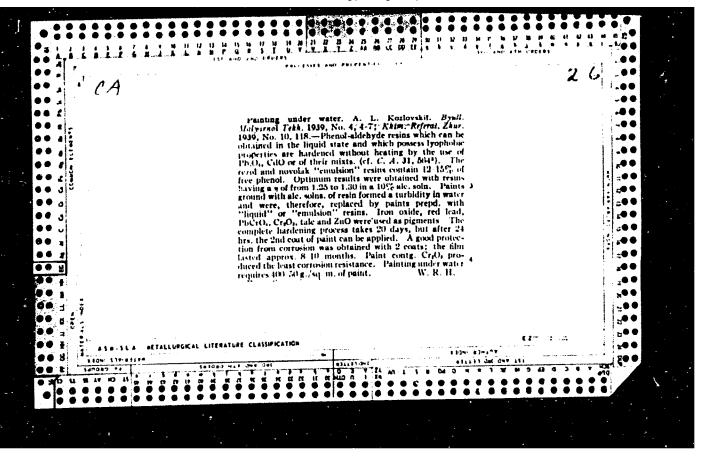
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in Hin Bast.	: mlov,	 - -
10 4 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	r law reflect of Snow Feteration, Perfoca and Manus or Sowing on the Grop of Spring Wheat.	
esio. Tru.	1 J. Et. Newsthatons, 1038, 16.3, 16-28	
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KOZLOVSKIY, A.K.

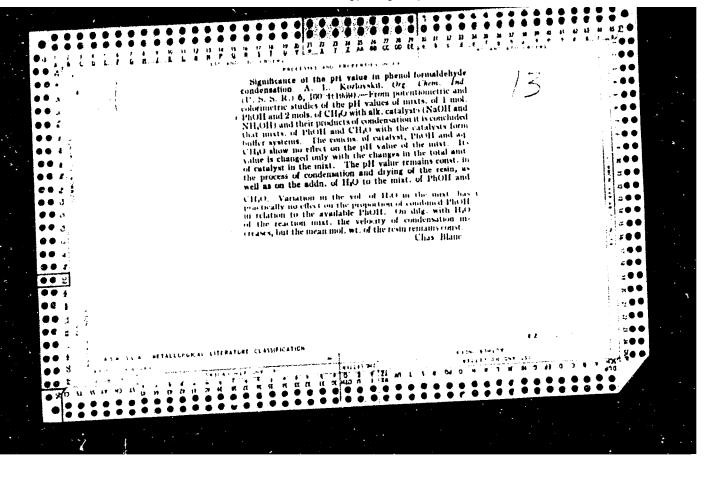
The glass manufacturing plant "Proletarii" is meeting its 50th anniversary with labor achievements. Stek. i ker. 20 no.12: 30-33 D *63. (MIRA 17:1)

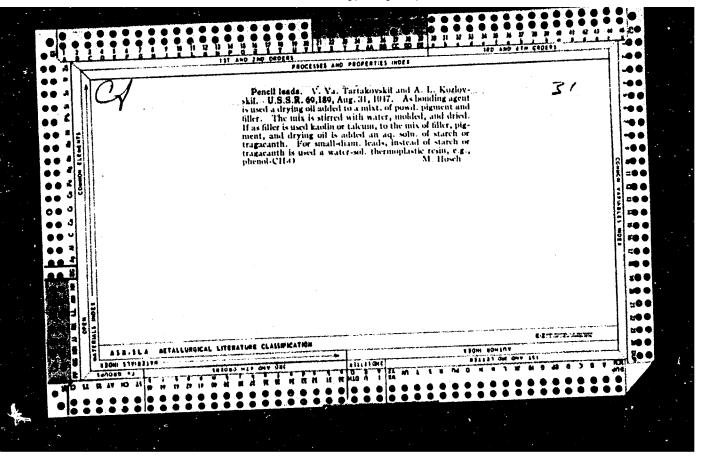
1. Direktor stekol*nogo zavoda "Proletariy."



"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R000825920





KOZLOVSKIY, A. L. Cand. Tech. Sci.

Dissertation: "Investigation of the Technological Processes of Producing and Utilizing the Hydrophilic Phenolaldehyde Resins." Moscow Order of Lenin Chemicotechnological Instimeni D. I. Mendeleyev, 26 Sep 47.

SO: Vechernyava Moskva, Sep, 1947 (Project #17836)

KOZLOVSKIY. A. L.

Koalovskii, A. L. The manufacture and reprocessing of synthetic tars Moskva, Gos. izd-vo mestnoi promyshl. RSFSR, 1949. 199 p.

(49-28429) TP86.A2K68

DE BRUYNE, N.A.; HOUWINK, R.; KOZLOVSKIY, A.L. [translator]; ARNOL'DOV, V.V., redaktor; SHAPOVALOV, V.I., teknilicheskiy redaktor

[Adhesion of glue, cement. and solder. (Published in English as "Adhesion and Adhesives.")] Adgesiia klei, tsementy, pripoi. Perevod s angliiskogo A.A.Kozlovskogo. Moskva, Izd-vo inostrannoi litry, 1954. 584 p. (MLRA 8:5) (Adhesives) (Adhesion)

KOZLOVSKITY A.L.

Polyethylene coating of heat insulation materials. Trudy
VNIIAvtogen no.4:125-136 '57. (MIRA 10:12)

(Insulation (Heat)) (Polyethylene) (Gas torches)

SOV/137-59-3-7227

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 3, p 325 (USSR)

AUTHOR: Kozlovskiy, A. L.

TITLE: MGP-1-57 Apparatus for Applying Refractory Coatings (Apparat

MGP-1-57 dlya naneseniya tugoplavkikh pokrytiy)

PERIODICAL: Byul. tekhn.-ekon. inform. Vses. in-t nauchn. i tekhn. inform.,

1958, Nr 5, pp 5-7

ABSTRACT: A description is given of the design of an MGP-1-57 gas injector

apparatus, developed by VNIIAVTOGEN (All-Union Scientific Research Institute for Welding), with which coatings with a melting point of 2000°C and higher can be applied not only on refractory

materials but also on Al and Mg alloy and on plastics.

N.L.

Card 1/1

s/137/60/000/01/05/009

Translation from: Referativnyy zhurnal, Metallurgiya, 1960, No 1, p 184, # 1231

18.7400

AUTHOR:

Kozlovskiy, A.L.

TITLE

New Materials for the Application of Coatings by the Method

of Metal Pulverization

PERIODICAL:

Tr. Vses. n.-i. in-ta avtogen. obrabotki metallov, 1959, No 5,

pp 260 - 262

TEXT: \\$ The use of a plastic vein ["zhilka"] is recommended for spraying hard antifriction alloys (e.g. NiCrB) Plmetals with high melting point (such as Ta) And coatings of multi-component alloys; the sprayed metal or alloy powder is used as the vein filler. Information is given on the process of the vein production. The amount of metal powder in the vein is 80 - 85% by weight; equal amounts of polyehtylene and polyisobutane are used as binders. Spraying with the vein is performed on a wire device. The difference between spraying with a wire and a vein is pointed out. Coatings applied from a vein have a fine-grained structure and are denser than coatings applied in the form of powder or a wire. Card 1/1

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S/788/60/000/006/002/004 E202/E492

AUTHORS:

Kozlovskiy, A.L., Candidate of Technical Sciences, Shlyakova, K.S., Candidate of Technical Sciences

TITLE:

Interrelation between the various forms of

aluminium oxide

SOURCE:

Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut avtogennoy obrabotki metallov. Trudy. no.6.

1960. Kislorodnaya rezka, metallizatsiya, payka. 136-139

TEXT: The authors found that gas flame deposited alumina passes from the alpha into the gamma form which contradicts the generally accepted view about the irreversibility of the alpha form. Compacted and sintered at 1600°C, alumina rod was sprayed by passing through the oxyacetylene spray gun. The original sintered and sprayed alumina was studied by means of X-ray powder photographs which showed three distinctly different Calculation of refractive indices showed that the patterns. untreated material contained both α and γ forms while the sprayed one contained only the Y-form. However, the sprayed material was resistant to water, mineral and organic acids and alkalies and was considered a new modification of the Y form. The authors Card 1/2

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Interrelation between ...

suggest that the formation of the new γ form at 2000°C is not due to depolymerization of the α form, but due to the destruction of trimeric polymers at high temperatures and the coating comprises the α form debris or the products of interaction of the latter. The cross-linking between linear molecules of Al₂0₃ is attributed to the hydrogen bridges, derived from OH groups or to the polyfunctional additives, e.g. titanates. There are 2 figures.

Card 2/2