"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBROVSKIY, V.B.

34257
S/121/62/000/003/003/004
D040/D113

15.2240
1.4000

AUTHORS: Smirnov, F.F.; Eykhmans, E.F.; Kamenskaya, D.S.; Brakhman, L.A.; Kiselev, Ye.N.; Serebrovskiy, V.B.

TITLE: The cutting properties of carbides of increased strength

PERIODICAL: Stanki i instrument, no. 3, 1962, 27-30

TEXT: Three new cutting alloys, developed by the Vsesoyuznyy nauchno-issledovatel'skiy institut tverdykh splavov (All-Union Scientific Research Institute of Hard Alloys) (VNIITS) for use when the cutting tools of standard carbides break down because of crumbling, are described. The composition of TT7K12 (TT7K12), T5K12B (T5K12V) and TT7K15 (TT7K15) alloys, selected from many compositions after tests at VNIITS, NIITAvtoprom, TsNIITMASh and Uralmashzavod, is as follows(Table 1):

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The cutting properties .....

Alloy	Specific weight, g/cm³	Hardness, RA	Chemical composition (%)			
			Titanium carbide	Tantalum carbide	Tungsten carbide	Cobalt
TT7K12	13.1	87-88	4	3	81	12
TT7K15	12.7-13.0	87-88	4	3	78	15
T5K12V	12.9-13.0	87-88	5	-	83	12

Cutting tests were conducted at the Uralmashzavod, Kolomenskiy teplovozostroitel'nyy zavod (Kolomna Diesel Locomotive Plant), Stankostroitel'nyy zavod im. Ordzhonikidze (Machine Tool Plant im. Ordzhonikidze), ZIL, GAZ, Kramatorskiy zavod tyazhelogo mashinostroyeniya (Kramatorsk Heavy Machinery Plant), and the Elektrostal'skiy zavod tyazhelogo mashinostroyeniya (Electrostal' Heavy Machinery Plant). The results show that TT7K15 has the highest strength but only half the durability of TT7K12, and the T5K12V has almost the same cutting properties as

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The cutting properties .....

TTK12 but lower wear resistance. Generally, the strength of the new alloys in cutting is considerably higher than that of the standard carbides T5K10 (T5K10), BK8 (VK8) or BK11 (VK11) in cutting with deep cut. They proved good in heavy and intermittent cutting with relatively high cutting speed, and they are initially being used for planing large machine parts at the Kolomna Diesel Locomotive Plant, etc., as well as for planing large steel plates for dies at the Gor'kovskiy avtomobil'nyy zavod (Gor'kiy Automobile Plant). The following conclusions are drawn: (1) TT7K12 and T5K12V alloys are basically used as substitutes for high-speed steel in rough turning, turning on welds, planing, and other machining where the strength of standard carbides is not sufficient for dependable tool performance. In rough turning, they often can replace the T5K10 alloy, and the feed must then be raised 1.5 times or doubled, and the cutting speed slightly reduced. (2) The strength of TT7K12 and T5K12V is mostly sufficient; since the TT7K15 alloy is stronger and has a lower wear resistance, it would be better to use it only in individual cases. (3) The use of the new alloys will have negative results in cases where the T5K10 alloy works without too much crumbling of the cutting edge and where any considerable increase in the cut depth is technically impossible or

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The cutting properties .....

inexpedient. (4) The cutting capacity of the TT7K12 and T5K12V alloys is much higher than that of high-speed steel when the cut is deep, but the difference abruptly diminishes or even disappears in operation with low feed (of about 0.1 mm/rev). More experiments are necessary before it can be seen whether the new alloys ought to be used for shallow cutting. (5) In future, it is necessary to investigate whether the new alloys should be used for cutoff tools and complex-shaped cutters, to determine the effect of cutting tips of the new alloys on tools for materials difficult to cut, and to achieve stable cutting properties for the TT7K12 and T5K12V alloys. There are 3 tables and 6 figures.

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBROVSKIY, Valeriy Borisovich; GORELOVA, V.M., inzh., red.; SOMOVA, T.M., inzh., ved. red.; GUDINA, N.A., tekhn.red.

[Surface quality of machine parts] Kachestvo poverkhnosti detalei mashin. Izd.4. Pod red. Gorelova V.M. Moskva, Mashgiz, 1962. 51 p. (Nauchno-populiarnaia biblioteka rabochego-stanochnika, no.8) (MIRA 16:6)

(Mechanical engineering)
(Surfaces (Technology))

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBROVSKIY, Vladimir Ivanovich

Pravovaya Okhrana Nauchnykh Otkrytiy V SSSR.

Moskva, Izd-vo Akademii Nauk, 1960.

71 P.

At Head of Title: Akademiya Nauk SSSR. Institut Prava.

Bibliographical Footnotes.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBROVSKIY, Valentin Ivanovich; ALEKHNOVICH, Gennadiy Sergeyevich;

[Operational planning of piece and lot production according to the system of the Novocherkassk Electric Locomotive Plant using the EV-80-3 electronic computer] Operativnoe planirovanie individual'nogo i seriinogo proizvodstva po sisteme NEV3 s ispol'zovaniem EV-80-3. Leningrad, 1964. 27 p. (MIRA 18:3)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEBEBRYAKO, G.

At the exhibition of urban development. Stroitel' no.8:24-28 Ag '60. (MIRA 13:8)
(Moscow--Building--Exhibitions)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, A., inzh.; POLYAKOV, V., inzh.

Major dredging operations on the Don. Rech.transp. 19 no.7:36-38 Jl '60. (MIRA 13:8)
(Don River—Dredging)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYA KOV, A. A.

Chem Vibrating ball mill. O. A. Nesvizhskii, A. A. Serebryakov, A. S. Savin, and M. M. Tarasenko. U.S.S.R. 104, 014, Oct. 25, 1956. M-H

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, A., inzh.

Effect of changes in the temperature of water on river-bed processes. Rech. transp. 20 no. 3:35-37 Mr '61. (MIRA 14:5)
(Rivers—Temperature) (Sedimentation and deposition)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, A., kand.tekhn.nauk

Justifying methods of conducting channel dredging and maintenance operations. Rech. transp. 22 no.11:41-42 N '63. (MIRA 16:12)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRIANYY, A. A.

Cherchenie (Mechanical drawing). Izd. 2-e. Moskva, Trudrezervizdat, 1953. 176 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 7, Oct. 1954

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, ALEKSEY ALEKSEYEVICH

SEREBRYAKOV, Aleksey Alekseyevich; VYSHNEPOL'SKIY, I.S., red.; RAKOV, S.I. tekhn.red.

[Mechanical drawing manual for young workers] Spravochnik po chercheniiu dlia molodogo rabochego. Moskva, Vses.uchebno-pedagog. izd-vo Trudrezervizdat, 1957. 172 p. (MIRA 10:12)
(Mechanical drawing)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

Serebryakov, A.

27-58-3-9/17

AUTHOR: Serebryakov, A., Head of the Designing Section

TITLE: Programs of Designing (O programmakh po chercheniyu)

PERIODICAL: Professional'noye Tekhnicheskoye Obrazovaniye, 1958, # 3, pp 19-20 (USSR)

ABSTRACT: The existing program of geometrical designing in technical schools has various deficiencies, such as overwork, lack of independent work and insufficient connection with practice. The concentration of the teaching material on certain themes and a lack of concrete indications to develop the notion of dimensions, which leads often to mistakes in practice is objected to. Moreover, the program does not cover some of the basic theories of projection drawing. Explanatory notes are not concrete and very monotonous. The mentioned deficiencies are caused by the fact that the programs were not compiled by methodical experts and experienced teachers. It is recommended, that the teaching program be reorganized in accordance with the tasks of vocational-technical schools of various types, by giving a general education to the 5th, 6th and 7th grades of industrial, railway and other schools

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, Aleksey Alekseyevich; BARANOVSKIY, M.A., nauchnyy red.; ISHKHANOV, V.S., red.; TOKER, A.M., tekhn.red.

[Handbook on mechanical drawing for young workers] Spravochnik po chercheniiu dlia molodogo rabochego. Izd.2., ispr. i dop. Moskva, Vses.uchebno-pedagog.izd-vo Proftekhizdat, 1960. 255 p. (MIRA 13:12)

(Mechanical drawing--Handbooks, vade mecums, etc.)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, Aleksey Alekseyevich; YANKOVSKIY, Konstantin Artem'yevich; PLESHKIN, Mikhail Mikhaylovich; LEVITSKIY, V.S., nauchnyy red.; BABULIN, N.A., nauchnyy red.; BARANOVSKIY, M.A., nauchnyy red.; KOBRINSKAYA, M.V., red.; PERSON, M.N., tekhn. red.

[Mechanical drawing] Cherchenie. 6., ispr. izd. Moskva, Vses. uchebno-pedagog.izd-vo Proftekhizdat, 1961. 225 p. (MIRA 14:11)
(Mechanical drawing—Study and teaching)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

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L 18217-65 EWT(d)/EWT(1)/EWP(c)/EWP(v)/T/EWP(k)/EWP(1) Pf-4/Pi-4 ASD(p)-3
ACCESSION NR: AT5001226 MLK S/0000/61/000/000/0174/0180

AUTHOR: Fedorov, Yu. N.; Serebryakov, A. G.; Kostrygina, N. A.

B

TITLE: UKL-2 automatic ultrasonic installation for the monitoring of internal defects in a sheet

21

SOURCE: Vsesoyuznaya mezhvuzovskaya konferentsiya po promyshlennomu primeneniyu ul'trazvuka. Kuyby*shev, 1960. Promyshlennoye primeneniye ul'trazvuka (Industrial application of ultrasound); trudy konferentsii. Kuyby*shev, 1961, 174-180

TOPIC TAGS: ultrasonic defectoscopy, sheet material, internal defect/UKL-2

14

ABSTRACT: The UKL-2 apparatus was developed to detect automatically flake formations or external inclusions in sheet metal, and is based on an ultrasonic shadow-type immersion method using several pairs of transmitting and receiving piezo-pickups. A block diagram of the method is shown in Fig. 1 of the Enclosure. Water is used to couple the tested sheet acoustically with the transmitter and receiver pickups, which move over the stationary sheet in a horizontal direction, scanning a strip 50 mm wide. After each passage of the pickups, the sheet is raised 50 mm and the next strip is scanned. Upon detection of a fault, light and

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ACCESSION NR: AT5001226

sound signals are produced and the scanning is stopped automatically. The approximate coordinates of the fault are read on scales, and a more accurate determination is made manually with the aid of a cathode ray tube indicator. The electronic circuitry, the actuating mechanisms, and the pickups are described briefly. The equipment can handle sheets 1.5--15 mm thick, up to 200 mm long and up to 1000 mm wide, with maximum sheet curvature 10 mm. The maximum sheet weight is 200 kg. The scanning rate is 0.2 m^2/min, and the minimum defect size is 2.5 mm^2. Orig. art. has: 6 figures.

ASSOCIATION: None

SUBMITTED: 11May61 ENCL: 01

SUB CODE: GP, IE NR REF SOV: 000 OTHER: 000

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

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ACCESSION NR: AT5001226

ENCLOSURE: 01

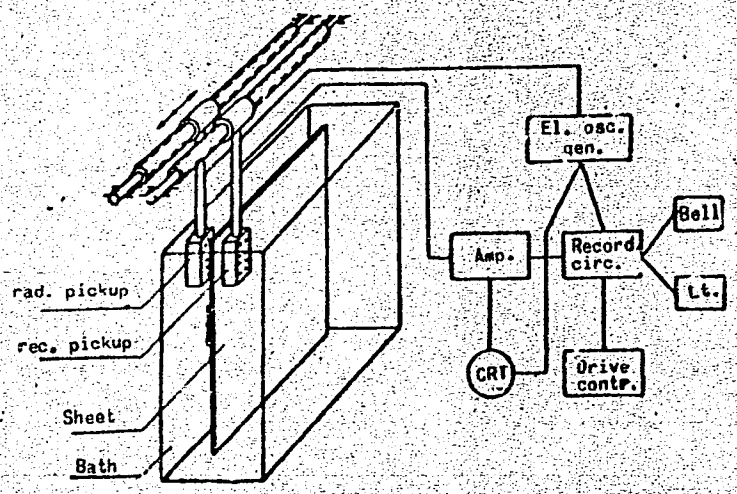

Fig. 1. Diagram of method

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

ACCESSION NR: AT4013980 S/3070/63/000/000/0098/0100

AUTHOR: Fedorov, Yu. N.; Serebryakov, A. G.; Kostry*gina, N. A.; Tsy*ro, O. L.; Shchukin, A. I.

TITLE: The semi-automatic ultrasonic apparatus UKL-2 for inspecting sheet metal for internal defects

SOURCE: Novy*ye mashiny* i pribory* dlya ispy*taniya metallov. Sbornik statey. Moscow, Metallurgizdat, 1963, 98-100

TOPIC TAGS: sheet metal inspection, ultrasonic inspection, piezoelectric transducer, metal defect, metal sheet

ABSTRACT: For detection of internal defects (laminations, non-metallic inclusions) in sheet metal, a semi-automatic immersed ultrasonic inspection device has been developed, in which several pairs of transmitting and receiving piezoelectric transducers are used. The transmitter 4 and receiver 3 are placed symmetrically on opposite sides of the test sheet 1. (See Fig. 1 of the Enclosure.) Water is used as the immersion liquid in the test tank 1. With the aid of power-driven threaded spindles, the transmitter and receiver can be moved horizontally back and forth along the inspected sheet with a speed of 6.8 m per minute. During this movement, the sheet is stationary. At the end of each passage, the transducers

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ACCESSION NR: AT4013980

are arrested, and the sheet is raised by the width covered by inspection during one passage. At the detection of a defect, a sonic signal 6, a light signal 7, and an automatic stopping device are triggered simultaneously. The approximate coordinates of the defect can be determined by taking readings on scales. For more accurate locating of the defect, a manual drive and an electron beam indicator 9 can be used. The drive mechanisms for the sheet and the transducers are mounted on the test tank structure. Adjustment is provided for different sizes of sheets to be inspected. All automation and electronic elements are unified in one cabinet, in the upper panel of which the controls are installed. The electric scheme of the installation is described, with some simplifications but in considerable detail. The receiver and transmitter each contain ten piezoelectric transducers, 10 mm in diameter and 1 mm thick. The frequency of ultrasonic vibrations is 2.8 megacycles/sec. The circular quartz plates are arranged in two vertical rows, overlapping 40%, permitting the inspection of a 50 mm wide strip during each horizontal path. The resolving capacity of the installation was determined by examining sheet specimens with artificial defects, represented by flat bottom drillings, not fully penetrating the sheet and closed by plugs of the same material. As a result of these tests, it has been established that the minimum size of a defect detectable by the apparatus is 2.5-3 mm^2. However, this size depends on

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ACCESSION NR: AT4013980

many factors, such as kind of defect, sheet thickness, surface condition, degree of flatness, and is 3.5-4 mm^2 in practice. At the present time, three UKL-2 installations are in operation at the "Krasny*y Vy*borzhets" plant in Leningrad. Orig. art. has: 3 figures.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 20Feb64 ENCL: 01

SUB CODE: MM NO REF SOV: 001 OTHER: 000

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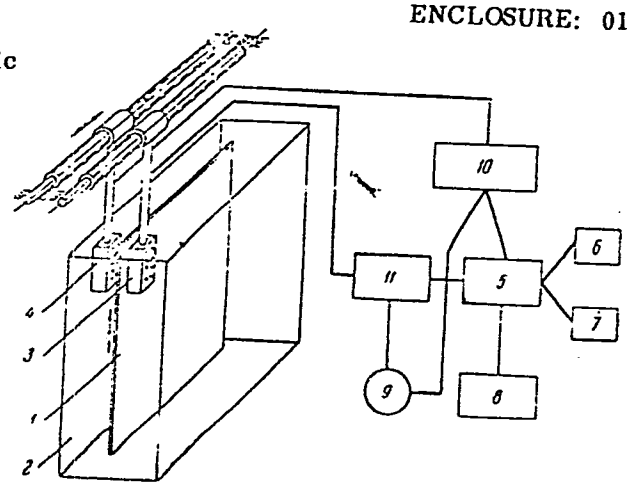
ACCESSION NR: AT4013980

ENCLOSURE: 01

Fig. 1. Schematic illustration of ultrasonic inspection equipment.

1 — metal sheet under inspection
2 — test tank with water
3 — receiver
4 — transmitter (sound generator)
5 — defect recorder
6 — sonic signal
7 — light signal
8 — stopping device
9 — electron beam indicator for accurate locating of defect
10 — electric vibration generators
11 — amplifier



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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRIAKOV, A. I.

SEREBRIAKOV, A. I. "Pests and Diseases of Chufa (Cyperus esculentus)," Nauchno-Proizvodstvennyi Sbornik Vsesoiuznogo Nauchno-Issledovatel'skogo Instituta Maslichnykh Kul'tur, no. 4, 1933, pp. 41-43. 77.9 K86

SO: SIRA SI-.0-53, 15 Dec. 1953

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRIAKOV, A. I.

SEREBRIAKOV, A. A. "Yield Losses of Peanuts from Wilt Disease," Nauchno-Proizvodstvennyi Sbornik Vsesoiuznogo Nauchno-Issledovatel-'skogo Instituta Maslichnykh Kul'tur, no. 5, 1933. pp. 34-36. 77.9 K86

SO: SIRA SI-90-53, 15 Dec. 1953

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRIANOV, A. I.

SEREBRIANOV, A. I. "Big Bud of Tomatoes in the Canning Factory Zone of the Krasnodar Krai," in Virus Diseases of Plants and Measures for their Control, Works of the Conference on Virus Diseases of Plants 1940, Publishing House of the Academy of Sciences USSR, Moscow, 1941, pp. 272-277. 464.32 Ko8

SO: SIRA SI-90-53, 15 Dec. 1953

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, A. I.

CA

Bacterial cancer of tomatoes. A. I. Serebryakov. *Sady i Ogorody* (U. S. S. R.) 1941, No. 3, 18-21.—Tomato seeds can be disinfected by keeping them in 1:100 formaldehyde (1 part of 40% formaldehyde per 100 parts of water) for 10-15 min., followed by a 2-hr. blistering in 1:30 formaldehyde (1 part of 40% formaldehyde per 30 parts of water) for 10 min., followed by careful washing without blistering or in Zharskii bactericide (1:10,000 or 1:20,000) for 1.5 hrs. without washing. Dusting the hothouse soil with chloride of lime is the most convenient and economical method of disinfection. W. R. Henn

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, A. I.

"Control of Tomato 'Stolbur' in the Canning Factory Regions of Krasnodarskiy Kray." Cand Agr Sci, Leningrad Agricultural Inst, Krasnodar, 1953. (RZhBiol, No 7, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, A.I., kandidat sel'skokhozyaystvennykh nauk

Study of control measures against peanut pests. Trudy VNII no.10:43-48 '54. (MLRA 8:9)
(Peanuts--Diseases and pests) (Insecticides)

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39626
S/194/62/000/004/074/105
D295/D308

1.8000

AUTHORS: Fedorov, Yu. N., Serebryakov, A. G. and Kostrygina, N. A.

TITLE: The УКЛ-2 (UKL-2) automated ultrasonic equipment for testing for internal defects in a sheet

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 4, 1962, abstract 4-5-46g (V sb. Prom. primeneniye ul'trazvuka. Kuybyshevsk. aviats. in-t. Kuybyshev, 1961, 174-180)

TEXT: A description is given of an ultrasonic apparatus for the through testing of sheets by an immersion method using 10 pairs of probes, which enable a 50 mm wide strip to be verified. The pickups accomplish a reciprocating motion, moving horizontally within the extreme positions, after which the sheet, fixed vertically, is raised by a height equal to the strip scanned by the pickups. The process is carried out automatically until the whole sheet has been checked. Each radiating probe is connected to its own genera-

Card 1/2 See S 194-62-000-004-073-105

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tor, and all receivers are connected to a common amplifier. In the presence of defects an automatic stop is operated, which interrupts the motion of the pickups. The minimum size of the defects that can be detected by the apparatus is 2.5 to 3 mm^2, depending on the state of the surface and on the warping of the sheet. The apparatus enables sheets of 1.5 - 15 mm thickness and 1.2 x 1.0 m^2 to be tested at a rate of 0.2 m^2/min. A diagram of the equipment and a pulse diagram are given. 6 figures. /Abstracter's note: Complete translation./

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, A. K.

23978 SEREBRYAKOV, A. K. Pervyye stadii pochvoobrazovaniya v vysokogornoy zone Yugo-Osetii. Poblemy sov. pochvovedeniya, SB. 15, 1949, S. 31-54. Bibliogr: 7 Nazv.

SO: Letopis, No. 32, 1949.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, A.M.

VOVK, A.A., inzh.; SEREBRYAKOV, A.M., inzh.; CHEPTSOV, V.V., inzh. (Irkutsk).

Mechanized slag removal. Put' i put. khoz. no.1:29-30 Ja '58.
(Slag) (Conveying machinery) (MIRA 11:1)

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

ca

25

The oiling of wool by means of glycerol. A. M. Sherbriakov. *Niti* (*Suppl. to Izvestiya Tekshl. Prom. u Torgovli*) 1, Nos. 4–5, 16–7(1930); *Chimie & industrie* 25, 165(1931).—Though attempts to substitute glycerol for spinning oils have not previously been successful with high-grade wools, excellent results were obtained in the present tests by using 20–30% glycerol on wool which had been incompletely scoured and still contained a relatively large amt. of grease. Tests showed that Turkey-red oil also can be used satisfactorily, but its use will depend on the price. A. P.-C.

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Experiments on use of soda with Contact for clearing rough woolen goods. A. M. SHRUBKYAKOV. *Materialni Tsentral. Nauch.-Issledovatel. Inst. Tekstil Prom "Nitt"* 1930, No. 4/5, 17-20.—Machine oil is best washed out by use of acid Contact and soda, simultaneously or in series. Less effective is neutralized Contact (Russ. pat. 8930), but the goods in this case are smoother. Still weaker is pure soda. The content of oil in finished goods is 4.5%. The time of operation is reduced from 3.5 to 2 hrs., and the cost is also reduced

I. G. TOLPIN

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CA

75

Treatment of vegetable fibers. A. M. Serebryakov. Russ. 40,512, Dec. 31, 1934. Vegetable fibers are treated with an alk. soln. of decompn. products of wool and then with metal salts, such as Fe or Sn at 100°, to give the fibers the appearance of animal fibers.

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Ca

23

A new rayon: "wool viscose." A. M. Serebryakov. *Za Rekonstruktsiyu Tekstilnoi Prom.* 13, No. 4, 28-31 (1934); *Chimie & industrie* 32, 1421.—"Wool viscose" differs from ordinary viscose in that in its prepn. the xanthate is dissolved in an alk. liquor in which wool or its decompn. products have been dissolved, in amts. up to 20% of the cellulose used. The advantages of the resulting product for the manuf. of union fabrics with wool are discussed. A. Papineau-Couture

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Co-

25

New methods of washing wool and woolen and semi-woolen fabrics. A. M. Serebryakov, N. A. Tretyakova and F. I. Kagan. *Sherstyanoe Delo* 1936, No. 3, 22-8.—Sixty-eight combinations of washing agents were studied from point of view of the stability of their solns. in relation to hard water and of peptization ability. Saponin, soap solns. treated with 10% of saponin, and naphthene soap are stable toward hard water. Saponin in a concn. as low as 0.01% emulsifies well and washes out the natural grease of wool, alone and when added to soda solns. but not in soap solns. For wool soiled with oleic acid or mineral oil, the action of saponin is less satisfactory. White "agaricus" also emulsifies wool grease, but is not satisfactory for use on a factory scale. Factory expts. with saponin gave good results. To remove soiling greasy substances, woolen goods were treated in an electrolyzer in a soln. of weak alkali, for a few hrs., but without success. B. V. Shvartzberg

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1ST AND 2ND ORDERS

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3RD AND 4TH ORDERS

CA

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A method for the determination of the leveling power of dyes for wool. A. M. Seredryakov. *Sherstyanoe Delo* 17, No. 1, 47-52(1938); *Khim. Referat. Zhur.* 1, No. 10, 64-5(1938).—No parallelism was found between the soly. and the capillary properties of the dye on one side, and the leveling power on the other. The salting out and the selection properties of the dye as a rule increased with a decrease of leveling power. The salting out property of the dye can be easily detd., and it can be used for orienting studies of leveling power. A decrease of the size of the dye particles in the soln. increases the leveling power. The stability of the dyes after washing decreased slightly with increase of leveling power, but no definite relationship could be detd. The rate of removal of the dye from the bath (by the absorption by wool) in presence of H_2SO_4 or of AcOH is inversely proportional to leveling power.

W. R. Henn

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1ST AND 2ND ORDERS

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3RD AND 4TH ORDERS

ca

23

Mothproofing substances used in the dyeing process and storing of woolen fabrics. A. M. Sctebryakov. *Sherstyanoe Delo* 1939, No. 2 3, 38-0. F-chrome, thiourea and K salt of sulfophenylthiourea are effective mothproofers of wool fabrics during dyeing. Washing with soap and thiourea is satisfactory. Protection against moths is provided by spraying the fabric with phenylaminothiazole, *p*-hydroxybiphenyl, dihydroxyphenylbutane and to a lesser extent with thiourea and naphthylthiourea. Best results during washing were given by F-chrome, thiourea and K salt of sulfophenylthiourea. During storage formalin, dichloroethane, naphthalene, α-bromonaphthalene and phenol proved effective.

B. Z. Kamich

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

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Methods of the determination of light-fastness of dyes for woolen materials. A. M. Serebryakov. *Shersteyanoe Delo* 1939, No. 4, 31-2; *Khim. Referat. Zhur.* 1939, No. 12, 94.—A strip of filter paper 13.5 × 30.5 cm. is colored in 100 cc. of a dye soln. of suitable concn. (conditions of dyeing are described in detail; they are different for different dyes). The dried samples of paper are exposed to the sun for 18 hrs. with a specially prepd. color scale. Preliminary expts. show that fading of the dyes on paper is similar to that on woolen fabrics. W. R. Henn

COMMON ELEMENTS

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The utilization of new dyes and the determination of the properties of standard dyes for wool by selection curves. A. M. Serebryakov. *Shersiyanoe Delo* 1939, No. 5, 25-6; *Khim. Referat. Zhur.* 1939, No. 11, 107; cf. *C. A.* 34, 4271[1].—Of 102 dyes the following "Glavkraski" dyes are recommended: Neutral NB, Neolan Red, Polar Red, Diamond Black PG and the superamine dyes Yellow P, Orange P and Bluish Black. The following imported dyes are recommended: Superamine Red SGL, Ruby Red Fq, Supranol Red 2B, Palatine Red LBN, Palatine Bordeaux BN, Alizarine Cyanine Green WGA, etc. Several auxiliary materials [Nekal BKh, Lefkanol ("Glavkraski" dye), Palizal and Palatine Salt O (imported)] were investigated under dyeing conditions. Nekal VKh and Egalizal facilitated the production of an even color of the dye. Palatine Salt O produced slightly more stable dyes when dyeing with palatine dyes. Numerous acid and chrominating dyes (whose list is given in the paper) are characterized by selection curves. W. R. Henn

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25

Investigation on substantive dyes and dyeing conditions of mixed wool and increased fastness of the shades obtained. A. M. Serebryakov. *Sherstyanoe Delo* 18, No. 5, 21-5(1939); *Chimie & industrie* 43, 332.- With most substantive dyestuffs the fastness to light and to atm. influences of the shades obtained on wool and on mixed wool fabrics is slightly better than that of shades produced on cotton. The fastness to wet treatments of the shades produced on mixed wool fabrics can be improved by treating them with $K_2Cr_2O_7$ (eventually with addn. of $CuSO_4$), Cr fluoride, Cr acetate and ammoniacal Cu(), $CuSO_4$ alone, or, in some cases, by diazotization. $K_2Cr_2O_7$, either alone or with $CuSO_4$, however, considerably modifies the shades. A. Papineau-Couture

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

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a

27

Soap from Turkey-red oil and from castor oil. A. M. Serebryakov. *Tekstil. Prom.* 1943, No. 1/2, 24-5.—Castor-oil soap is made from castor oil 100, dry NaOH 15, dry Na_2CO_3 2.5 kg. The Na_2CO_3 is added toward the end of the boiling. To prep. "alizarin soap" (i. e., soap from Turkey-red oil) place 20 kg. of castor oil in a barrel provided with a spigot at the bottom. Add concd. H_2SO_4 7.5 kg. in small fractions over a period of 5-6 hrs. with const. stirring. The temp. should not rise above 25-30°. On the following day drain the excess acid and wash with 60 l. of H_2O. The next day wash twice with a 20% soln. of NaCl, using 60 l. each time. Allow the H_2O to settle out and drain. Neutralize with Na_2CO_3 soln. (2.7 kg. in 34 l. H_2O). These soaps are effectively used in the wool mills. M. Hosch

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

25

Dyeing wool with metal salts and $NaNO_2$. A. M. Serebryakov and M. Ya. Mayants. *Tekstil Prom.* 4, No. 2/3, 18-20(1944).--Details are given of a method of coloring wool beige to brown by means of $FeSO_4$, $CuSO_4$ and $NaNO_2$. In the one-bath method, $FeSO_4$ and $CuSO_4$ are added to cold water in which the wool is kept in motion (or the water is continuously circulated), then $NaNO_2$, and after 5-8 min. 65% H_2SO_4 are added and after another 5-8 min. steam is passed in, the bath brought to boiling in 40-60 min., boiled slowly for 20-30 min., the soln. drained off and the wool washed with cold H_2O. In the two-bath method, to the circulating H_2O are added $FeSO_4$, $CuSO_4$ and 35-40% of the required H_2SO_4, the soln. is boiled 45 min., drained, the tub cooled to not over 50°, the $NaNO_2$ soln. added and circulated for 10 min., the remaining H_2SO_4 added, and after 10 min. steam is passed in, and the temp. maintained at 70-80° for 30 min. To obtain darker hues the relative amts. of all the components should be increased. An increase in H_2SO_4 alone favors yellow-green hues; an increase in nitrite alone, reddish hues; with $FeSO_4$ alone, tan-yellow hues are produced; with $CuSO_4$ alone, red-brown hues. Prolonging the boiling time results in greener shades with simultaneous deepening of the color. H_2SO_4 may be replaced by other acids, inorg. or org. To prevent loss of nitrite, it should not be added at temps. above 50°. Dyeing with metal salts can be combined with acid and Cr dyeing.

M. Hosch

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25

Ca

Increasing the fastness of wool fibers to the action of light and weather. A. M. Serebryakov and V. A. Berezina. *Tekstil. Prom.* 8, No. 1, 49-51(1948). Pure cashmere wool was dyed with a variety of dyes, and its properties were detd. initially and then after 2 months' exposure to sun and weather. Acid Green, Acid Violet, Safranine, and other dyes contg. quinquevalent N were found to be very poor. Azo dyes, such as Acid Chrome Black and Acid Chrome Yellow, were much better. A soln. of tanning ext. contg. added $CuSO_4$ and K_2CrO_4 was found to be a good preservative, as was a soln. of CrF_3. M. S.

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SEREBRYAKOV, A. M.

Serebryakov, A. M.- "Moth-proofing compounds", In the symposium: Nauch.-issled. trudy (Nauch.-issled. in-t sherst. prom-sti), Moscow-Leningrad, 1949, 150-57

SO: U-4034, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

BA

RII-6

Bleaching of naturally coloured woollen yarns. A. M. Serebryakov and V. A. Rydvanova (*Tekst. prom.*, 1950, No. 5, 32–33). Skeins of naturally black, brown, or grey woollen yarns are bleached to light brown or off-white shades by mordanting in a $FeSO_4$-$(NH_4)_2SO_4$-$NaHSO_4$ bath, followed by 0·5% H_2O_2 at 50° for 3 hr.

E. B. Uvarov.

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

B4 BII-6

Dyeing of polyamide fibres. A. Serebryakov and V. Beresina (*Tekst. prom.*, 1950, No. 6, 31—32).—Brief recipes are given for dyeing nylon, perlon, and polyhexolactam fibres, alone and in mixtures with wool, with selected direct, acid, chrome, basic, vat, and acetate dyes. E. B. Uvarov.

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CA 25

Ethylene glycol emulsion for lubrication of wool. A. M. Serebryakov. *Tekstil. Prom.* 10, No. 11, 25-7(1950). Ethylene glycol emulsion is prepd. from waste (CH_2OH) and is used in lubrication of wool. Elisabeth Barabash

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SEREBRYAKOV, A.M.; CHIRIKOVA, Ye.L.; DONSKAYA, L.D.

Metachrome colors in wool industry. Tekstil'. Prom. 12, No.11, 37-9 '52. (CA 47 no.22:12819 '53) (MLRA 5:11)

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SEREBRYAKOV, A.M., kandidat tekhnicheskikh nauk; ARKHANGEL'SKAYA, N.I.

Dyeing fabrics made of a mixture of wool and caprone staple yarn. Tekst.prom. 14 no.9:34-36 S '54. (MLRA 7:11)
(Dyes and dyeing--Wool) (Hexamethylenimine)

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USSR /Chemical Technology. Chemical Products and Their Application I-19

Dyeing and chemical treatment of textiles

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32198

Author : Serebryakov A.M.

Title : Dyeing of Viscose Fiber in Skeins in a Conveyer Apparatus

Orig Pub: Tekstil'naya prom-st, 1956, No 1, 40-42

Abstract: A method and an apparatus have been developed for a continuous dyeing of staple fiber (F) in skeins, which ensures a good uniform dyeing of the material by vat and sulfur dyes and which permits to combine in a single processing line the operations of dyeing, rinsing and drying,

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USSR /Chemical Technology. Chemical Products and Their Application I-19

Dyeing and chemical treatment of textiles

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32198

and also to form the dyed F into a band in a "Corso" stapler machine. The continuous dyeing apparatus consists of 2 vats -- for dyeing and subsequent rinsing. Each vat is subdivided in several compartments between which are disposed the wringers; the bottom of each compartment has a concave surface sloping from the forward portion of the vat toward the rear. The rate of travel of the skein in the vat is of 8 m/minute, duration of stay in the bath is 2-3 minutes. Bath modulus 1:200, 1:300. A comparison of the dyeing indices, for the F in skeins, in the continuous apparatus, with those of a

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USSR /Chemical Technology. Chemical Products and Their Application I-19

Dyeing and chemical treatment of textiles

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32198

staple band in a batch apparatus, shows a number of advantages of the former; productivity of labor is increased by about two times, output of dyed F per unit of floor surface is higher by about 3.5 times, no loss of strength of the F was found to occur, while in the batch apparatus it is lowered by 5-6% there is no need for circulation pumps, etc.

Card 3/3

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SEREBRYAKOV, A.M., kandidat tekhnicheskikh nauk.

Dyeing viscose fiber in rope form in consecutive baths. Tekst.prom. 16 no.4:40-42 Ap '56. (MLRA 9:7)
(Dyes and dyeing--Rayon)

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, A.M., kand.tekhn.nauk

New dyes for wool fabrics. Tekst.prom. 19 no.10:55-57 O '59. (MIRA 13:1)

(Dyes and dyeing--Wool)

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, A.M., kand.tekhn.nauk; KOL'TSOVA, V.A., inzh.; Prinimali uchastiye: SIMAGINA, O.S., inzh.; GNENKOVA, Ye.Ya., inzh.; ZEMSKAYA, L.I., inzh.; ALEKSEYEVA, T.A., inzh.

Continuous method for dyeing all-wool and semi-wool dress fabrics. Nauch.-issl.trudy TSNIISherstl no.18:102-115 '63. (MIRA 18:1)

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BROVMAN, M.Ya.; VYDRIN, V.N.; YERMOKHIN, F.K.; KISLYUK, V.A.; KRAYNOV, V.I.; LEVINTOV, S.D.; RIMEN, V.Kh.; SEREBRYAKOV, A.N.; SHEYDER, B.E.

Method of controlling the tension in continuous rilling mills.
Stal' 25 no.7:629-631 Jl '65. (MIRA 18:7)

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, Anatoliy Nikolayevich, aspirant

Consideration of intermittent current modes in modeling a regulated mercury rectifier and motor system. Izv.vys.ucheb.zav.; elektromekh. 8 no.8:917-922 '65. (MIRA 18:10)

1. Kafedra elektroprivoda i avtomatizatsii promyshlennykh ustanovok Chelyabinskogo politekhnicheskogo instituta.

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

BORTSOV, Yuriy Anatol'yevich, kand.tekhn.nauk, dotsent; SEREBRYAKOV, Anatoliy Nikolayevich, aspirant

Dynamic characteristics of the electronic amplifier of the automatic control system of a rolling mill. Izv.vys.ucheb.zav.; elektromekh. 8 no.9:1002-1011 '65. (MIRA 18:10)

1. Kafedra elektroprivoda i avtomatizatsii Chelyabinskogo politekhnicheskogo instituta.

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

ANOKHIN, A.A., inzh.; ISAYEV, A.G., mashinist-instruktor; KONDRAT'YEV, Ya.M.; KRYUCHKOVA, V.K.; MOKHOVA, Ye.S., pensioner; SEREBRYAKOV, A.P., pensioner; SIDEL'NIKOV, V.M.; SOKOLOVA, Ye., red.; YEGOROVA, I., tekhn.red.

[This is how it was; from the first Communist Saturday to the first Communist labor unit] Kak eto bylo; ot pervogo kommunisticheskogo subbotnika k pervomu kollektivu kommunisticheskogo truda. Moskva, Mosk.rabochii, 1959. 110 p. (MIRA 12:7)

1. Rabotniki depo Moskva-Sortirovochnaya, Moskovsko-Ryazanskoy zheleznoy dorogi (all except Sokolova, Yegorova). 2. Zaveduyushchaya kabinetom politicheskogo prosveshcheniya depo Moskva-Sortirovochnaya, Moskovsko-Ryazanskoy zheleznoy dorogi (for Kryuchkova).

(Railroads--Employees)

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, A.S.

Increasing egg weight. Ptitsevodstvo 8 no.8:34-35 Ag '58. (MIRA 11:10)

1. Direktor Kuchinskogo selektsionnogo ptitsesovkhoza.
(Eggs--Production)

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SHAPOVALOV, Ya.Ya., kand. biol. nauk; SEREBRYAKOV, A.S.; GORODKOVA, N.Ye., zootekhnik.

Kuchino general purpose chickens and their further improvement. Ptitsevodstvo 8 no.9:16-19 S '58. (MIRA 11:10

1.Direktor Kuchinskogo selektsionnogo ptitsesovkhoza (for Serebryakov). 2.Kuchinskiy selektsionnyy ptitsesovkhoz (for Gorodkova). (Poultry breeds)

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

FOMINA, A.Ya.; GROSHEVA, G.A.; SEREBRYAKOV, A.S.; OSKOLKOV, V.S.

Epizootiology and biological characteristics of Mycoplasma infesting poultry. Veterinariia 41 no.11:37-40 N '64. (MIRA 18:11)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, A.V.

[Aiding a suction dredge technician] V pomoshch' tekhniku zemlecherpatel'-nogo snariada. Moskva, Izd-vo Ministerstva rechnogo flota SSSR, 1953. 70 p. (MLRA 6:7)
(Dredging)

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, A.V.

Characteristics of the Don River bed formation below the Tsimlyansk Reservoir. Rech. transp. 18 no.4:38-40 Ap '59. (MIRA 13:1)

1.Zamestitel' nachal'nika tekhotdela upravleniya kanala im. V.I. Lenina.
(Don River--Hydrography)

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

LOZOVSKAYA, V.F. (Novosibirsk); PASHKOV, P.O. (Novosibirsk); SEREBRYAKOV, A.V. (Novosibirsk)

Rate of growth of cracks in the plastic failure of metals. PMTF no.1:103-109 My-Je '60. (MIRA 14:8)
(Deformations (Mechanics)) (Plasticity)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

cal to those in the earlier work of the authors (Ref. 1: PMTF, 19[illegible] no. 1), while in the case of hardened material, four insulated copper wires were glued to the foil, and their consecutive ruptures were recorded on the oscillograph. At higher velocities, a high speed cine camera was also used. Qualitative interpretation of data obtained was based on energy considerations. Thus fracture velocity for any width of foil per unit time was given by

$$A + U - P - K = 2\gamma' V, \qquad (3.1)$$

where A - work done by the machine, U - decrease of elastic energy of the foil, P - energy of plastic deformation, γ' - effective surface energy per unit length of the fracture, K - kinetic energy of the foil, V - velocity of fracture. In a hardened material the fracture, once started, is self-supporting and if velocity of fracture is equal to the velocity of sound in that material, the result can be catastrophic. Also, velocity of fracture is proportional to the length of the sample, till it reaches maximum, which is dependent on both physical state and geometrical properties of the sample. Qualitative interpretations for annealed material were carried

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S/207/61/000/005/012/015
D237/D303

Kinetics of fracture growth in ...

in a similar manner. In conclusion the authors note that copper is hardly a brittle metal, hence the possibility of high velocity fracture should not be limited to brittle materials. There are 5 figures and 6 references: 5 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: E. Orowan, Condition of high-velocity ductile fracture, J. Appl. Phys. 1955, v. 26, no. 7, 900-902.

SUBMITTED: July 25, 1961

Card 3/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, A.V., inzhener-podpolkovnik

Dynamic links in the system of automatic regulation.
Vest. protivovozd. obor. no.6:14-18 Je '61. (MIRA 14:8)
(Automatic pilot (Aeroplanes))

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

KOSTYUK, V.G.; ZILING, K.K.; SEREBRYAKOV, A.V.

Strength characteristics of whisker type metal crystals with admixtures. Fiz. tver. tela 5 no.11:3060-3065 N '63. (MIRA 16:12)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR, Novosibirsk.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

L 62487-65 EWT(1)/EWT(m)/EPF(c)/EPF(n)-2/T/EWP(t)/EEC(b)-2/EWP(b)/EWA(c)
IJP(c) JD/GG

ACCESSION NR: AP5018208 UR/0207/65/000/003/0131/0134

AUTHOR: Serebryakov, A. V. (Novosibirsk)

40
21
B

TITLE: The nature of strength and other peculiarities of crystal growth of mixed acicular crystals

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 3, 1965, 131-134

TOPIC TAGS: mixed metal whisker, cuprous chloride, ferrous chloride, crystal growth

16 17

ABSTRACT: A growth mechanism capable of explaining the high strength of mixed acicular crystals obtained in the reduction of CuCl and $FeCl_2$ is proposed. It is shown that during crystal growth a nonequilibrium absorption of iron takes place and leads to a supersaturated solid solution of iron in copper. The high tensile strength of the crystals is explained by the transition of γ-Fe to α-Fe under influence of stress. The experimental conditions are shown schematically. The experimentally determined crystal strength is in good agreement with the proposed mechanism and with the results of V. G. Kostyuk, K. K. Ziling, and A. V. Serebryakov (Prochnostnyye svoystva metallicheskikh nitevidnykh kristallov s primesyami, Fizika tverdogo tela, 1963, T. 5, No. 11). Orig. art. has: 2 graphs

Card 1/2

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

L 62487-65

ACCESSION NR: AP5018208

0

and 2 equations.

ASSOCIATION: none

SUBMITTED: 06Feb65 ENCL: 00 SUB CODE: SS

NO REF SOV: 006 OTHER: 010

Card 2/2

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

L 33324-65 EPA(s)-2/EWT(m)/EWP(w)/EPF(c)/EPF(n)-2/EWA(d)/T/EWP(t)/EWP(b)/EWA(c)
Pr-4/Pt-10/Pu-4 IJP(c) JP

ACCESSION NR: AP5006895 S/0181/65/007/003/0858/0861

48
47
B

AUTHOR: Serebryakov, A. V.; Kostyuk, V. G.; Ziling, K. K.

TITLE: Some peculiarities of the creep in whiskers

SOURCE: Fizika tverdogo tela, v. 7, no. 3, 1965, 858-861

TOPIC TAGS: creep, whisker, cadmium whisker, sodium chloride whisker, whisker creep, whisker dislocation density, dislocation density

ABSTRACT: The creep behavior and its dependence on the dislocation density in cadmium whiskers 2—20 μ thick and HCl whiskers 9—30 μ thick have been investigated. The creep tests were conducted in a helium atmosphere at 20—140C under a respective stress of 10^2—$2 \cdot 10^4$ and 10—$5 \cdot 10^3$ g/mm^2, lower than the yield point. Cadmium whiskers exhibited creep behavior typical for whiskers, i.e., they had no second stage of creep. The total elongation varied from 0.1 to 0.5% or was zero in individual cases. Although the creep arrest alone does not prove that an annihilation of dislocations occurs, i.e., perfection of the crystal, there are some indirect indications that this is the case. A noticeable aftereffect caused by stress variation occurred only during the first creep stage and ceased with the arrest of creep (see Fig. 1 of the Enclosure). An increase of stress after the

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L 33324-65

ACCESSION NR: AP5006895

first creep stage produced no additional creep. Creep reappeared in whiskers with artificial dislocations introduced after the arrest of creep and the removal of stress. In this case, the creep began at stresses substantially lower than the initial, and lasted a very short time. Whiskers subjected to creep test had a considerably higher tensile strength than that of the original whiskers, which indicated a perfection of the whisker structure. A direct count of the etch pits on the side surfaces of HCl whiskers before and after creep showed a great decrease in the dislocation density in the whiskers during the creep process. Orig. art. has: 3 figures. [MS]

ASSOCIATION: Institut gidrodinamiki SO AN SSSR, Novosibirsk (Institute of Hydrodynamics, SO AN SSSR)

SUBMITTED: 21Jul64 ENCL: 01 SUB CODE: SS, ME

NO REF SOV: 004 OTHER: 007 ATD PRESS: 3208

Card 2/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

0

L 33324-65

ACCESSION NR: AP5006895

ENCLOSURE: 01

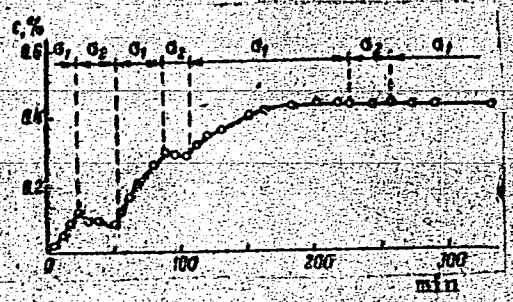

Fig. 1. Creep curve for a cadmium whisker tested at 140C under variable stress: σ_1 - 1100 g/mm^2, σ_2 - 80 g/mm^2

Card 3/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

ZOTIN, M.I., st. nauchn. sotr.; SEREBRYAKOV, A.V., mlad. naucnn. sotr.; ALPATOVA, T.A., mlad. nauchn. sotr.; SEZEMAN, N.A., mlad. nauchn. sotr.; KRIVONOGOV, M.S.; ZHILOY, M.; PREBYSHEVSKAYA, M.M.; SEDELKOV, V.A., inzh.; MINENKO, V.M., red.

[Hydrology of the estuary region of the Northern Dvina] Gidrologiia ust'evoi oblasti Severnoi Dviny. Moskva, Gidrometeoizdat, 1965. 375 p. (MIRA 18:8)

1. Moscow. Gosudarstvennyy okeanograficheskiy institut. 2. Gosudarstvennyy okeanograficheskiy institut, Moskva (for Zotin, Serebryakov, Alpatova, Sezeman). 3. Nachal'nik gidrokhimicheskoy laboratorii Severnogo upravleniya gidrometeorologicheskoy sluzhby (for Prebyshevskaya). 4. Nachal'nik Severo-Dvinskoy ust'yevoy stantsii (for Krivonogov). 5. Severo-Dvinskaya ust'yevaya stantsiya (for Sedelkov).

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

DALIN, M.A., akademik; LOBKINA, V.V.; ABAYEV, G.N.; SEREBRYAKOV, B.R.; PLAKSUNOVA, S.L.

Production of acrylonitrile based on propylene and ammonia. Dokl.AN SSSR 145 no.5:1058-1060 '62. (MIRA 15:8)

1. AN Azerbaydzhanskoy SSR (for Dalin).
(Acrylonitrile) (Propene) (Ammonia)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

DALIN, M.A.; SEREBRYAKOV, B.R.; LOBKINA, V.V.; GAMIDOVA, E.B.

Mechanism underlying the reactions taking place in the process of oxidizing ammonolysis of propylene. Azerb.khim.zhur. no.4:99-102 '63. (MIRA 17:2)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

L 52174-65 EWT(m)/EPF(c)/EPR/EWP(j)/T/EWA(c) Pc-4/Pr-4/Pa-4 RPL WW/RM

ACCESSION NR: AP5015484 UR/0286/65/000/008/0019/0019
547.239.2

29
B

AUTHOR: Serebryakov, B. R.; Konoval'chukov, A. G.

TITLE: A method for producing succinic acid dinitrile. Class 12, No. 170050 15

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 19

TOPIC TAGS: succinic acid, amber, lignite, diacid, dinitrile

ABSTRACT: This Author's Certificate introduces a method for producing succinic acid dinitrile by cyanoethylation of hydrogen cyanide with acrylonitrile at 20-70°C in the presence of an alkali catalyst. The process is simplified by using ion-exchange resins which are insoluble in the reagent solution as the catalyst, e.g. EDE-10P anion exchanger in the sodium or potassium form.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy tekhnologicheskiy institut po polucheniyu i perepabotke nizkomolekulyarnykh olefinov (All-Union Technological Scientific Research Institute for Producing and Processing Low-Molecular Olefins)

SUBMITTED: 31Jul64 ENCL: 00 SUB CODE: MT, GC

NO REF SOV: 000 OTHER: 000

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Card 1/1

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

LIPETSKIY, V.A.; SEREBRYAKOV, B.R.

Alkali hydrolysis of nitriles as a method for purifying waste waters. Izv. vys. ucheb. zav.; neft' i gaz 8 no.1:72 '65. (MIRA 18:2)

1. Azerbaydzhanskiy institut nefti i khimii imeni M. Azizbekova i VNIIOLEFIN.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

LINETSKIY, V.A.; SEREBRYAKOV, B.R.

Effect of temperature on the reaction rate of the alkali hydrolysis of nitriles. Izv. vys. ucheb. zav.; neft' i gaz 8 no.2:62 '65. (MIRA 18:3)

1. Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova i VNIIolefin.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

LINETSKIY, V.A.; SEREBRYAKOV, B.R.

Alkaline hydrolysis of nitriles. Khim.prom. 41 no.7:498-499 Jl '65. (MIRA 18:8)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

DALIN, M.A.; SEREBRYAKOV, B.R.; MANGASARYAN, N.A.; ABAYEV, G.N.; VALLERSHTEYN, A.S.

Synthesis of acrylonitrile by oxidative ammonolysis of propylene in a fluidized catalyst bed. Azerb.khim.zhur. no.4:28-33 '65. (MIRA 18:12)

1. VNIIolefin. Submitted August 16, 1964.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

L 31554-66 EWT(m)/EWP(j)/T IJP(c) RM

ACC NR: AP6005112 (N) SOURCE CODE: UR/0316/65/000/005/0074/0076

AUTHOR: Serebryakov, B. R.; Gusman, T. Ya.; Shnulin, A. N.

ORG: VNIIolefin

TITLE: Electrical conductivity of bismuth molybdates

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 5, 1965, 74-76

TOPIC TAGS: electric conductivity, bismuth compound, molybdate, forbidden zone width, activation energy, catalysis, oxidation, dehydrogenation, x ray analysis

ABSTRACT: A study was made of the electrical conductivity of fused and shaped samples of bismuth-molydenum catalysts used in a number of oxidative processes (oxidation of propylene to acrolein, oxidative dehydrogenation of butylenes to bivinyl, oxidative ammonolysis of propylene to acrylonitrile). X-ray analysis established the structure of the samples as $(Bi_2O_3)_x(MoO_3)_y$. Their electrical resistance was measured at 290—500C (range in which the catalytic properties are best manifested) with an E6-3 tube teraohmmeter. Particular emphasis was placed on the determination of the activation energy of conduction (i.e., on the determination of the forbidden gap width E_g). The Bi_2O_3-MoO_3 catalysts were found to have n-type conductivity. It was established that the activation energy of the oxidation of propylene to acrolein (and oxidative ammonolysis of propylene to acrylonitrile) and the activation energy of the electrical conduction of bismuth molybdates are approximately equal. The forbidden gap width of the Bi_2O_3-MoO_3 system changes only slightly with changing composition and is equal

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L 31554-66

ACC NR: AP6005112

to an average of 0.96 eV. The authors are deeply grateful to K. Mekhtiyev, who performed the x-ray structural analysis of the samples. Orig. art. has: 2 figures.

SUB CODE: 07,20/SUBM DATE: 12Nov64 / ORIG REF: 003

Card 2/2

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SLOBODINA, Z.P.; SEREBRYAKOV, B.S.

Improved technology of the production of basic bismuth nitrate. Prom. khim. reak. i osobo chist. veshch. no.1:14-15 '63. (MIRA 17:2)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, E.P.

Distr: 4E3d/4E4j

Tetra(2-thienyl)boropotassium. V. A. Sazonova and E. P. Serebryakov. U.S.S.R. 106,396, Aug. 25, 1957. The title compd. is obtained by the action of halo-2-thienylmagnesium on KBF_4. An aq. soln. of the product is used for detn. of Cs and Rb in a soln. of their salts. M. Hosch

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

AUTHOR: SAZONOV, V.A., SEREBRYAKOV, E.P., and KOVALEVA, L.S. 20-6-31/59

TITLE: Production and Analytical Properties of Tetra (α-Thienyl) Boric and Tetra (p-Anisyl) Boric Salts of Alkali Metals. (Sintez i analiticheskiye svoystva tetra(α-tienil) bornykh i tetra (p-anizil) bornykh soley shchelochnykh metallov. Russian).

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 6, pp 1295-1298 (U.S.S.R.)

ABSTRACT: It is known that tetraphenylcarbonsodium has in recent times been used as reagent for potassium ion. Caesium- and rubidium ions are also precipitated by it. These salts of potassium, rubidium, and caesium are only to a small extent soluble in water. A simple production method of tetraphenylboronsodium was suggested by A.N. Nesmeyenov and one of the authors: the action of bromphenylmagnesium on sodiumborfluoride. Also potassiumboronfluoride reacts easily with the magnesiumorganic compounds and forms corresponding tetraboric-aryl-salts. The reaction is also possible in the heterocyclic series. In the present paper new potassium-rubidium-, caesium-, andthallium salts are described which can become interesting for analytical chemistry. It is shown that when using the tetrathienylboranion a separation method for caesium and probably a quantitative thallium determination is possible. In the case of an action of iodine-α-thienylmagnesium on potassiumboronfluoride tetra (α-

Card 1/3

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"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

20-6-31/59

Production and Analytical Properties of Tetra (α-Thienyl) Boric and Tetra (p-Anisyl) Boric Salts of Alkali Metals.

and pyridinate are immediately obtained. In the experimental part individual reactions with methods, yields, and constants are given. (5 Slavic references).

ASSOCIATION: Moscow State University "M.V. Lomonosov"
PRESENTED BY: NESMEYANOV, A.N., Member of the Academy.
SUBMITTED: 24 October 1956
AVAILABLE: Library of Congress

Card 3/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

KUCHEROV, V.F.; SEREBRYAKOV, E.P.

Stereochemistry of cyclic compounds. Report 39: Synthesis and stereospecific transformations of monoesters of cis-syn and cis-anti-Δ^1 hydrindene-4, 5-dicarboxylic acids. Izv.AN SSSR, Otd.khim. nauk no.6:1087-1093 Je '61. (MIRA 14:6)

1. Institut organicheskoy khimii im. ND.Zelinskogo AN SSSR.
(Indandicarboxylic acid)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

KUCHEROV, V.F.; SEREBRYAKOV, E.P.; VALTER, R.E.

Study of the structural and steric directivity of the diene condensation of 1-vinylcyclopentene with methyl acrylate. Dokl. AN SSSR 138 no.6:1357-1360 Je '61. (MIRA 14:6)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. Predstavleno akademikom B.A.Kazanskim.
(Cyclopentene) (Acrylic acid) (Condensation products (Chemistry))

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

KUCHEROV, V.F.; SEREBRYAKOV, E.P.; USOVA, A.V.

Stereochemistry of cyclic compounds. Report No.49: Oxidation of cis-syn-Δ^7-hydrindene-4,5-dicarboxylic acid and the synthesis of isomeric trans-hydrindane-4,5-dicarboxylic acids. Izv. AN SSSR Otd.khim.nauk no.1:106-112 Ja '62. (MIRA 15:1)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Cyclic compounds) (Acids, Organic) (Stereochemistry)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

KUCHEROV, V.F.; SEREBRYAKOV, E.P.

Stereochemistry of cyclic compounds. Report No.50: Oxidation of cis-syn-Δ^7-hydrindene-4,5-dicarboxylic acid anhydride. Izv.AN SSSR Otd.khim.nauk no.4:661-666 Ap '62. (MIRA 15:4)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Indancarboxylic acid) (Oxidation)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

KUCHEROV, V.F.; SEREBRYAKOV, E.P.

Stereochemistry of cyclic compounds. Part 44: Synthesis and stereochemistry of cis-hydrindan-4,5-dicarboxylic acids. Zhur. ob.khim. 32 no.2:426-432 F '62. (MIRA 15:2)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.
(Indandicarboxylic acid)
(Stereochemistry)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

KUCHEROV, V.F.; SEREBRYAKOV, E.P.; KOGAN, G.A.

Stereochemistry of cyclic compounds. Part 45: Infrared spectra of anhydrides of stereoisomeric cyclic ortho-dicarboxylic acids. Zhur.ob.khim. 32 no.3:760-765 Mr '62. (MIRA 15:3)
(Anhydrides) (Spectra)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

SEREBRYAKOV, E.P.; KUCHEROV, V.F.

Stereochemistry of hydrindan systems. Usp.khim. 32 no.10:1177-1200 O '63. (MIRA 16:12)

1. Institut organicheskoy khimii AN SSSR imeni N.D.Zelinskogo.

K.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548020002-9

USSR / Forestry. Forest Cultures K-5

Abs Jour: Ref Zhur-Biol., No 10, 1958, 43971

Author : Serebryakov, F. I.

Inst : Saratovskiy Agricultural Institute

Title : The State of Plantings of the Government Protective Forest Belts Within the Saratovskaya Oblast and Measures for Their Replenishment, Restoration, and Care

Orig Pub: Tr. Saratovsk. s.-kh. in-ta, 1957, 10, 217-229

Abstract: The routes of the State forest strips Pensa-Kamensk (zone of moderately dry steppe) and Chapayevsk-Vladimirovka (zone of moderately dry steppe) passes over the teeritory of the Saratovskaya Oblast. According to the data of the inventory of cultures

Card 1/2

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