87664
S/137/60/000/010/040/040
A006/A001

Electrochemical Deposition of Co-Tungsten Alloy and its Properties

higher electrolyte temperature a gradual increase of the tungsten percentage in the alloy takes place. The current efficiency increases noticeably. It is established that the dispersing capacity of the electrolyte for the deposition of the cobalt-tungsten alloy exceeds by 10 - 15% that of the Ni-electrolyte. The authors studied the dependence of microhardness of the deposited cobalt-tungsten alloy on various factors of electrolysis. Investigations of the wear resistance of cobalt-tungsten alloy coatings in pair with Ni and in pair with the same alloy showed that it was higher in the latter case than during wearing in pair with Ni. It was stated that the cobalt-tungsten deposit was sufficiently corrosion-resistant in SO_2 and NO_2 atmosphere. The composition of the electrolyte for the deposition of an alloy with 35% tungsten is given.

N.I.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

KRUGLOVA, Yekaterina Georgiyevna, inzh.; VYACHESLAVOV, Petr Mikhaylovich, dots., kand. khim. nauk; SMOTKINA, B.R., inzh., retsenzent; GRILIKHES, S.Ya., kand. tekhn. nauk, red.; YAMPOL'SKIY, A.M., red.; ONISHCHENKO, R.N., red. izd-va; BARDINA, A.A., tekhn. red.

[Control of electroplating baths and coatings] Kontrol' gal'vanicheskikh vann i pokrytii. Izd.2., dop. i perer. Moskva, Mashgiz, 1961. 146 p. (Bibliotechka gal'vanotekhnika, no.12) (MIRA 15:4)

(Electroplating--Equipment and supplies)

FEDOT'YEV, N.P.; VYACHESLAVOV, P.M.; KRUGLOVA, Ye.G.; FONTEYNES, Ye.A.

Technology of ekectrolytic Sn-Cd deposition and its corrosion resistance in near tropical conditions. Trudy LTI no.53:72-81 '61. (MIRA 14:3)

(Tin plating) (Tin-cadium alloys)
(Corrosion-resistant materials)

NIKANDROVA, L. I.; GERASIMOVA, N. I.; IVANOVA, L. V.; KONDRATOVICH, G. A.; KRUGLOVA, Ye. G., red.; ERLIKH, Ye. Ya., tekhn. red.

[Analysis of electrolytes and solutions for electroplates and chemical coatings] Analiz elektrolitov i rastvorov; dlia gal'vanicheskikh i khimicheskikh pokrytii. Leningrad, Goskhimizdat, 1963. 310 p. (MIRA 16:3)
(Electrolytes—Analysis) (Electroplating)

SEMIKOZOV, G.S.; KRUGLOVA, Ye.G.; KALINKIN, I.P.

Determination of microquantities of copper with lead diethyldithiocarbamate in zinc solutions and electrolytes for galvanization. Izv. vys.ucheb.zav.; khim. i khim.tekh. 7 no.2:194-197 '64.
(MIRA 18:4)

1. Kafedra analiticheskoy khimii Leningradskogo tekhnologicheskogo instituta im. Lensoveta.

KRUGLOVA, Ye.I.; GUSEV, L.A., redaktor; VEYNTPAUB, A.B., tekhnicheskiy redaktor.

[My work as a telegrapher; an account of a senior telegrapher in a district communication office] Moia rabota na telegrafe; rasskaz starshei telegrafistki raionnoi kontory sviazi. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1955. 22 p. (MLRA 9:5)
(Telegraphers)

Ye

The effect of the degree of field fertilization on the mineral composition of the cotton plant. E. K. Kruglova. *Sotsial. Sel'sk. Khoz. Uzbekistana* 1955, No. 6, 28-34; *Referat. Zhur., Biol.* 1955, No. 939.—Data are presented of the mineral compn. of leaves, stems, seed pods, seeds, and fibers of cotton plants grown at the Tashkent agricultural station in 1951, without and with various degrees of fertilization. The different plant constituents were ashed, and detns. were made of P, S, Si, Ca, Mg, K, Na, Fe, Al, Mn, B, Cu, and Zn. Richest in minerals were the leaves, followed by the seed pods, stems, seeds, and the fibers. Ca was the most abundant element in the vegetative parts and K was the most abundant in the fruit-bearing parts. Among the microelements Mn predominated in all the plant organs. In the seeds the second most abundant element was Zn, and in the leaves B, which was present in all organs except the fibers. More than 40% of the B of the leaves was in the form of fixed nonmobile organoboric compds. Differences in the degree and type of soil fertilization had no practical effect on the results of the mineral content of the various organs of the cotton plant. There was a slight reduction in the P and K content of plants grown in nonfertilized soil.

B. S. Leving

AG

KRUGLOVA, E. K.

Microelements in soils of cotton fields in Middle Asia. E. K. Kruglova (Central-Asia Polytech. Inst., Tashkent). *Pochvovedenie* 1956, No. 1, 39–49.—Results are given for studies on the content, forms, and transformations of Mn in as well as on the content of Cu, Zn, Co, and Ni in the cotton soils. With a lowering of the pH to 4.0–4.4 the sol.-Mn content increases in sierozem, meadow, and meadow-bog soils. At pH values below 4.0 the sol. of Mn decreases and Fe goes into soln. at pH 3.0 in sierozem, meadow soil at 3.8, and meadow-bog at 4.2. In sierozem the MnO_2 prevails, 50–95% of the total. In the meadow and meadow-bog soils the MnO_2 content is 40–70% of the total. Silicates of Mn in sierozem vary from 0 to 40% of the total and in the meadow and meadow-bog, 20–60%. The total content of Mn in these soils varies from 0.06 to 0.13%, decreasing in quantity with depth. Data are also given on the content of Cu, Ni, Co, and Zn in the soils mentioned, and the quantity of Mn in superphosphate, phosphorite, local rocks, clay, and some earthy material used as fertilizer. J. S. Joffe

KHUDOLOVA, Ye.K.

Applying boron fertilizers to cotton. Uzb.biol.zhur. no.5:55-61 '59. (MIRA 13:4)

1. Sredneaziatskiy politekhnicheskiy institut.
(COTTON--FERTILIZERS AND MANURES) (PLANTS, EFFECT OF BORON ON)

KRUGLOVA, Ye.K.

Molybdenum in soils, cotton plants and irrigation and ground waters of the Golodnaya Steppe. Pochvovedenie no.6:82-88 Je '59. (MIRA 12:9)

1. Sredneaziatskiy politekhnicheskiy institut, g.Tashkent.
(Golodnaya Steppe--Minerals in soil)
(Molybdenum)

KRUGLOVA, Ye.K.

Boron content of the Golodnaya Steppe soils, cotton, irrigation and ground waters. Pochvovedenie no.9:81-87 S '60. (MIRA 13:9)

1. Sredneaziatskiy politekhnicheskiy institut.
(Golodnaya Steppe--Soils--Boron content)

SUCHKOV, S.P.; ZIMINA, N.I., kand. sel'khoz. nauk; LAZAREV, S.P., kand. sel'khoz. nauk; KRUGLOVA, Ya.K., kand. sel'khoz. nauk; BESEDIN, P.N., kand. sel'khoz. nauk, red.; KENZER, A.P., red.; SOROKINA, Z.I., tekhn. red.

[Soils of the Golodnaya Steppe; their agronomic characteristics] Pochvy Golodnoi Stepi; ikh agronomicheskaia kharakteristika. [By] S.P.Suchkov i dr. Tashkent, Redaktsionno-izdatel'skii otdel UzASKhN. 1961. 173 p. (MIRA 16:1)
(Golodnaya Steppe—Soils)

KRUGLOVA, Ye.K.

Copper and its forms in soils of the Golodnaya Steppe and in cotton. Pochvovedenie no.5:83-90 My '62. (MIRA 15:6)
(Golodnaya Steppe--Soils--Copper content) (Cotton)

GAYNUDINOVA, F.Kh.; KHUCHLOVA, Ye.K.

Copper and its forms in irrigated Fergana Valley soils. Uzb. khim.zhur. 6 no.6:23-27 '62. (MIRA 16:2)

1. Institut pochvovedeniya AN UzSSR.
(Fergana--Soil chemistry) (Copper--Analysis)

KRUGLOVA, Ye.K.

Zinc and its forms in the virgin and long-irrigated soils of the Golodnaya Steppe and in cotton plants. Pochvovedenie no.7:75-79 Jl '64. (MIRA 17:8)

1. Tashkentskiy politekhnicheskiy institut.

KRUGLOVA, Ye.K.; MUSAILOV, O.S.

Photocolorimetric determination of cobalt in soils and plants using β-nitroso-α-naphthol. Uzb. khim. zhur. 8 no.6:11-15 '64. (MIRA 18:4)

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BRUSKIN, Mikhail Il'ich; KRUGLOVA, Ye.M., red.; TIKHONOVA, Ye.A., tekhn. red.

[Statistics of the merchant marine] Statistika morskogo transporta. Moskva, Izd-vo "Morskoi transport," 1961. 180 p. (MIRA 14:10)

(Merchant marine—Statistics)

SHER, Aleksandra Aleksandrovna; VARAKSIN, Nikolay Georgiyevich; KRUGLOVA, Ye.M., red.; USANOVA, M.B., tekhn. red.

[Wages for sea harbor workers]Oplata truda rabotnikov morskikh portov. Moskva, Izd-vo "Morskoi transport," 1962. 135 p. (MIRA 16:2)

(Wages--Longshoremen) (Wages--Cargo handling)

KOSTYUKOV, Aleksandr Aleksandrovich, prof., doktor tekhn. nauk;
KRUGLOVA, Ye.M., red.; LAVRENOVA, N.B., tekhn. red.

[Theory of ship construction] Teoriia korablia. Moskva, Morskoi transport, 1962. 318 p. (MIRA 15:7)
(Naval architecture)

BAKAYEV, Viktor Georgiyevich, doktor tekhn. nauk; ERMOLOVA, Ye.N., red.

[World shipping and sea transportation in capitalist countries; notes for the development of a long-term program for the expansion of the U.S.S.R. merchant marine] Mirovoe sudokhodstvo i morskoi transport kapitalisticheskikh stran; zametki k razrabotke perspektivnogo plana razvitiia morskogo flota SSSR. Moskva, Izd-vo "Transport," 1964. 49 p. (MIRA 17:8)

KORYAKIN, Sergey Fedorovich, kand. ekon. nauk, dots.; BERNSHTEYN, Iosif L'vovich, kand. ekon. nauk, dots.; Prinimal uchastiye: ELLINSKIY, Yu.F., st. prep.; SHRAMKHTEYN, Ye.A., dots., retsenzent; CHERKASOV-TSIBIZOV, A.A., st. prepod., retsenzent; MILYUKOV, M.A., st. prepod., retsenzent; KOZHAROV, N.D., kand. ekon. nauk, retsenzent; MAKAL'SKIY, I.I., kand. ekon. nauk, retsenzent; KREMER, B.A., inzh., retsenzent; PETRUCHIK, V.A., kand. ekon. nauk, red.; GUBERMAN R.L., kand. ekon. nauk, red.; RODIN, Ye.D., kand. ekon. nauk, red.; DUBCHAK, V.Kh., inzh., red.; MARTIROSOV, A.Ye., inzh., red.; PALYUSHKIN, V.A., inzh., red.; BELOV, M.I., doktor geogr. nauk, red.; SIMITSYN, M.T., inzh., red.; KOLESNIKOV, V.G., kand. tekhn. nauk, red.; ZAMAKHOVSKIYA, A.G., kand. ekon. nauk, red.; KUZ'MIN, T.P., inzh., red.; NEMCHIKOV, V.I., kand. tekhn. nauk, red.; GEKHTBARG, Ye.A., inzh., red.; FILIPPOV, K.D., red.; KRUGLOVA, Ye.I., red.

[Economics of the merchant marine] Ekonomika morskogo transporta. Izd.2., perer. i dop. Moskva, Transport, 1964. 527 p. (MIRA 18:1)

VYSHEPOL'SKIY, S.A.; MURMISTROV, P.M.; ZABELIN, V.G.; [illegible],
Ye.M., red.

[Chartering of merchant ships] Frakht[illegible] morskikh sudov.
Moskva, Transport, 1964. 185 p. (MIRA 18:2)

TSYRKIN, Mikhail Isaakovich; KRUGLOVA, Ye.M., red.

[Automatic regulation and control of marine diesel engines] Avtomaticheskoe regulirovanie i upravlenie sudovymi dizel'-nymi ustanovkami. Moskva, Transport, 1964. 256 p.
(MIRA 18:3)

BAKAYEV, Viktor Georgiyevich, doktor tekhn. nauk; ?ODIN, Ye.D., kand. ekon. nauk, nauchn. red.; KRUGLOVA, Ye.M., red.

[Operation of the merchant marine] Ekspluatatsiia morskogo flota. Moskva, Transport, 1965. 559 p. (MIRA 18:12)

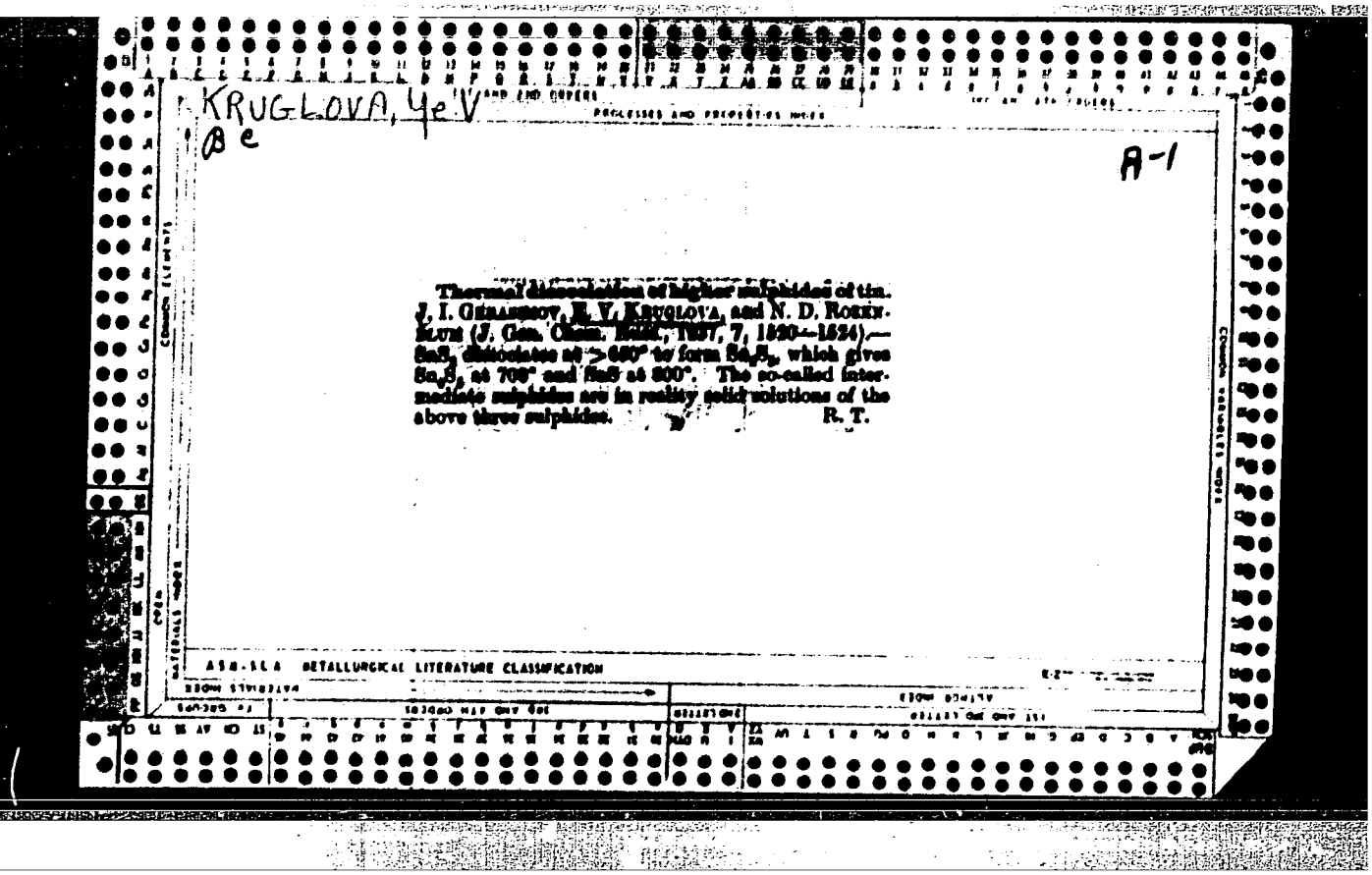
1. Ministr Morskogo flota SSSR (for Bakayev).

BUNIN, K.V., prof.; BURASHNIKOVA, N.M.; VERISOVA, M.A.; GUTOP, O.G.; KRUGLOVA, Ye.V.; LAGOVSKAYA, N.A.; PISTSOVA, M.N.

Some complications after smallpox vaccination. Sov. med. 25 no.5: 73-80 My '61. (MIRA 14:6)

1. Iz Infektsionnoy gorodskoy klinicheskoy bol'nitsy No.1 (glavnyy vrach - zasluzhennyy vrach RSFSR N.G.Zaleskver, nauchnyy rukovoditel' - prof. K.V.Bunin).

(SMALLPOX)



KRUGLOVA, Ye. V.
Be

A-1

Thermal dissociation of higher sulphides of tin. I. I. GERASIMOV, E. V. KRUGLOVA, and N. D. ROZHDESTVENSKAYA (*J. Gen. Chem. [USSR]*, 1937, 7, 1820—1824).—SnS_2 dissociates at >680° to form Sn_2S_3, which gives Sn_3S_4 at 700° and SnS at 800°. The so-called intermediate sulphides are in reality solid solutions of the above three sulphides. R. T.

L 02298-67 EWT(m)/T FDN/DJ/GD

ACC NR: AT6015201 (A,N) SOURCE CODE: UR/0000/66/000/000/0099/0103

AUTHOR: Starikova, L. V.; Bleyes, G. S.; Kruglova, Ye. T. 61 B+1

ORG: none

TITLE: Method for evaluating the thermo-oxidative stability of aviation oils at elevated temperatures

SOURCE: Metody otsenki ekspluatatsionnykh svoystv reaktivnykh topliv i smazochnykh materialov (Methods for the performance evaluation of jet propellants and lubricants). Moscow, Izd-vo Mashinostroyeniye, 1966, 99-103

TOPIC TAGS: lubricating oil, lubricant property, lubricant viscosity, heat resistance, vaporization, high temperature oxidation, aircraft lubricant

ABSTRACT: A laboratory method for evaluating the performance properties of petroleum oils at elevated temperatures was developed and examined. The method is an adaptation of VTI GOST 981-55, wherein conditions for oxidizing the oil were changed to make the test applicable to high temperature testing. Oxidations were run in the apparatus shown in Fig. 2 under temperatures controlled by thermostat shown in Fig. 1.

Card 1/4 UDC: 662.753.32:629.13.001.4

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ACC NR: AT6015201

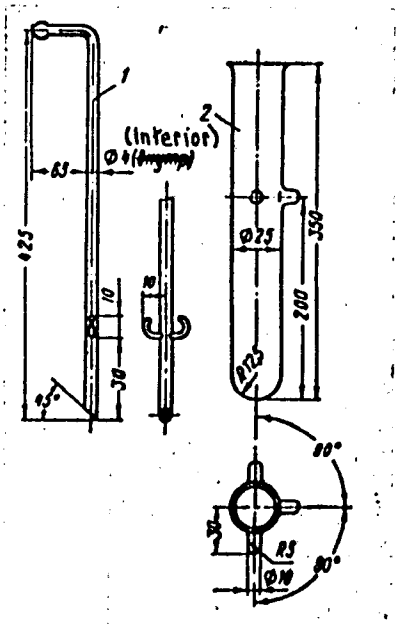

Fig. 1. Diagram of air electric thermostat: 1.--mantle, 2--agitator shaft, 3--cross pieces for mounting 4, 4--rotating cylinder, 5--agitator blades, 6--electric motor, 7--cover, 8--apparatus for oxidations, 9--electric heater, 10--thermocouple, 11--mercury thermometer.

Card 2/4

L 02298-67

ACC NR: AT6015201

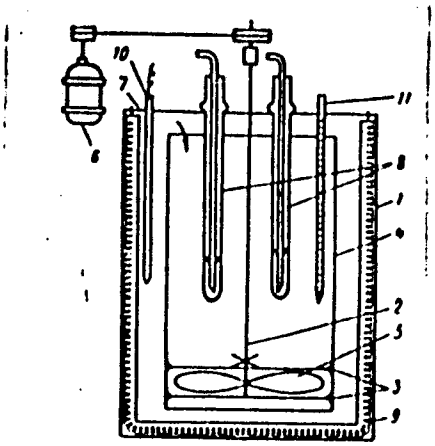

Fig. 2. Apparatus for oxidizing oil:
1--tube for feeding air to oxidize the oil,
2--reaction vessel.

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ACC NR: AT6015201

Determinations were made of volatility, change in viscosity, benzene-insoluble residues, acid number and metal corrosion as indices of resistance of the oil to thermal oxidation. Satisfactory reproducibility among the values of these indices was obtained in the tests run. Orig. art. has: 1 table and 2 figures.

SUB CODE: 11/ SUBM DATE: 10Dec65

Card 4/4 vmb

KRUGLOVA, E.V., LUKASHEVICH-DUVANOVA, Yu.T.

"Sulfides in Steel Deoxidized by Aluminum,"
lecture given at the Fourth Conference on Steelmaking, AA. Baikov Institue of Metallurgy, Mosocow, July 1-6, 1957

KRUGLOVA, YE. V.

НЕМЕТАЛЛИЧЕСКИЕ ВКЛЮЧЕНИЯ СТАЛИ

С.И.[illegible] Г.Ф.[illegible]	[illegible]
С.Е.[illegible] А.М.[illegible]	[illegible]
Д.К.[illegible] Я.М.[illegible]	[illegible]
С.Т.[illegible] Д.И.[illegible] В.И.[illegible] К.С.[illegible]	[illegible]
В.А.[illegible] Ю.Т.[illegible]	[illegible]
Ю.Т.[illegible] О.В.[illegible] Е.В.[illegible]	[illegible]
А.И.[illegible]	[illegible]
С.Г.[illegible] П.М.[illegible]	[illegible]
В.П.[illegible] П.В.[illegible]	[illegible]

report submitted for the 5th Physical Chemical Conference on Steel Production, Moscow-- 30 Jun 1959.

KRUGLOVA, Z.D.

Work practices in equatorial-dipole sounding. Razved.i prom. geofiz. no.29:59-61 '59. (MIRA 13:1)
(Electric prospecting)

BULATOVA, Z.I.; VOYTSEL', Z.A.; GORBOVETS, A.N.; IVANOVA, Ye.A.; KAZ'MINA, T.A.; KISEL'MAN, B.N.; KLIMKO, S.A.; KLIMOVA, I.G.; KOZYREVA, V.F.; KORNEVA, F.R.; KOSTITSINA, R.P.; KRUGLOVA, Z.M.; STRIZHOVA, A.I.; MARKOVA, L.G.; TARASOVA, A.S.; USHAKOVA, M.V.; FILIPPOVA, Ye.A., ved.red.; TROFIMOV, A.V., tekhn.red.

[Mesozoic and Cenozoic stratigraphy of the West Siberian Lowland] Stratigrafiia mezozoia i kainozoia Zapadno-Sibirskoi nizmennosti. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1957. 147 p. (MIRA 12:2)

1. Gosudarstvennyy soyuznyy Zapadno-Sibirskiy nefterazvedochnyy trest.

(Siberia, Western--Geology, Stratigraphic)

KRUGLYAK, Yu.A.; UITMEN, D.R.[Whitman, D.R.]; SHUSTOROVICH, Ye.M., otv. red.

[Tables of quantum chemistry integrals] Tablitsy integralov kvantovoi khimii. Moskva, Vychislitel'nyi tsentr. Vol.1. 1963. 439 p. (MIRA 18:5)

1. Khar'kovskiy gosudarstvennyy universitet, Kafedra fizicheskoy khimii Instituta fizicheskoy khimii AN Ukr.SSR (for Kruglyak).

DANILOV, V.I.; KRUGLYAK, Yu.A.; TOLSTOGO, K.B.; [illegible]

Correlation between adjacent amino acid radicals in proteins.
Dokl. AN SSSR 160 no.5:1191-1193 F '65.
(MIRA 18:2)

1. Institut fizicheskoy khimii im. L.V. Pisarzhevskogo AN UkrSSR.
Submitted June 4, 1964.

KRUGLOV, Yu. V., Cand Biol Sci (diss) -- "The role of denitrifying bacteria of the genus Pseudomonas fluorescens in the root feeding of plants". Moscow, 1960. 15 pp (Acad Sci USSR, Inst of Microbiol), 250 copies (KL, No 15, 1960, 133)

KRUGLOV, Yu.V.

Role of micro-organisms in plant nutrition. Trudy Vses. inst. sel'khoz. mikrobiol. 16:31-38 '60. (MIRA 13:9)
(Rhizosphere microbiology) (Bacteria, Denitrifying)

SAMOYLOV, I.I.; KOZLOVA, N.V.; RUSINOVA, I.P.; KRUGLOV, Yu.V.

Effect of bacterization on the activity of organomineral mixtures. Trudy Vses. inst. sel'khoz. mikrobiol. 16:116-122 '60. (MIRA 13:9)
(Fertilizers and manures) (Soil inoculation)

SAMOYLOV, I.I.; KOZLOVA, N.V.; RUSINOVA, I.P.; KRUGLOV, Yu.V.

Significance of different amounts of lime and the duration of its interaction with peat in estimating the biological activity of lime and peat-lime fertilizers. Trudy Vses. inst. sel'khoz. mikrobiol. 16:123-135 '60. (MIRA 13:9)
(Liming of soils) (Peat)

VA[illegible], K.N.; [illegible]

Using gas chromatography and molecular spectroscopy in the quantitative analysis of naphthalene hydrocarbons $C_{10} - C_{...}$.

Khim. i tekn. topl. i masel [illegible].9:54-57 S '64. (MIRA 18:9)

1. Nauchno-issledovatel'skiy institut neftekhimicheskikh produktov.

KRUGLOV, Z.M.

KRUGLOV, Z.M.: "Results of studying the state of health of the population in Turkov and Khodorov Rayons, Drogobych Oblast". L'vov, 1955. L'vov State Medical Inst. (Dissertations for the Degree of Candidate of Medical Sciences).

SO: Knizhnaya letopis' No 44, 29 October 1955. Moscow.

KRUGLOV, Z.M., kand.med.nauk; BURIKHIN, T.N., dotsent

Twenty years of the Soviet public health service in the western provinces of the Ukraine. Vrach.delo no.9:967-969 S '59.
(MIRA 13:2)

1. Kafedra organizatsii zdravookhraneniya (zaveduyushchiy - dotsent S.Z. Tkachenko) L'vovskogo meditsinskogo instituta.
(UKRAINE, WESTERN--PUBLIC HEALTH)

KRUGLOVENKO, V.I.

Vibrators for unloading sugar beets from freight cars. Sakh.prom. 35 no.7:45-46 Jl '61. (MIRA 14:7)

1. Kurskiy filial Giprosakhara.
(Sugar beets--Transportation) (Vibrators)

Lengthy review is presented of the book, by N. V. Shmulyan and O. V. Kruglovoy, entitled, "Industrial Capacities of Mechanical Plants. Calculation and Rational Utilization of such Industrial Capacities in Machine Construction Plants," published in Kiev [illegible].

NEMIROVSKAYA, V.N.; KRUGLOVYKH, V.V.

Third coordinating conference on compiling lithopaleogeographical maps of Siberia. Mat. po geol. i pol.iskop.Kras.kraia no.3:261-263 '62. (MIRA 17:2)

KRUGLUSHIN, A.YA.

LINDE, V.V., professor; KOKORIN, V.V.; KRUGLUSHIN, A.Ya.

Qualifications of an engineer technologist. Tekst.prom. 14 no.8: 11-13 Ag '54. (MLRA 7:10)

1. Direktor Vsesoyuznogo zaochnogo instituta tekstil'noy promyshlennosti (for Kokorin).
(Textile industry)

KRUGLUSHIN, A.L.

Commission of the factory committee gives help to innovators. Sov. profsoiuzy 3 no.8:49-50 Ag'55. (MLRA 8:10)
(Riga--Textile industry)

KRUGLUSHIN, A.Ya.

Standardization of the means of mechanization. Tekst. prom. 19 no.6:78 Je '59. (MIRA 12:9)

1.Chlen Nauchno-tekhnicheskogo otdela legkoy promyshlennosti.
(Textile industry--Equipment and supplies)

L 44305-66 EWT(m)/T/EWP(t)/ETI IJP(c) JD/JG

ACC NR: AP6019841 SOURCE CODE: UR/0370/66/000/001/0190/0192

AUTHOR: Amonenko, V. M. (Khar'kov); Kruglykh, A. A. (Khar'kov); Pavlov, V. S. (Khar'kov); Tikhinskiy, G. F. (Khar'kov)

ORG: none

TITLE: Evaporation rate of beryllium during dissociation of cerium beryllide

SOURCE: AN SSSR. Izvestiya. Metally, no. 1, 1966, 190-192

TOPIC TAGS: beryllium, vacuum sublimation, cerium compound, vapor pressure

ABSTRACT: The article presents the results of an investigation of the evaporation rate of Be during the thermal dissociation of the intermetallic compound $CeBe_{13}$, as well as of the effect of the addition of a small amount (0.4 wt.%) of Ce on the evaporability of Be. $CeBe_{13}$ was obtained by the vacuum heating of a stoichiometric mixture of the powders of Ce and Be at 1150°C for 3 hr, while the Be-0.4% Ce alloy was obtained by direct vacuum melting of the metals. The sublimation rates of the Be-0.4% Ce alloy and of the products of dissociation of $CeBe_{13}$ were determined by the method of evaporation from a cylindrical tantalum crucible with a residual gas pressure of $\leq 2 \cdot 10^{-6}$ mm Hg in the vacuum chamber. The temperature was measured with

Card 1/3 UDC: 669.725.4

ACC NR: AP6019841

the aid of an optical pyrometer correct to ±5%. Weighing of the crucibles was carried out correct to ±0.0001 g by the continuous method on scales without violating the vacuum. The sublimation rate of Be with 0.4% Ce was measured in the temperature range 920-1160°C; for this temperature range the saturated vapor pressure of Be over the Be-0.4% Ce alloy is described by the equation: log P = 9.35-17,000/T. As for the sublimation rates of the components of the intermetallic compound $CeBe_{13}$, during its thermal dissociation in the temperature range 1050-1250°C, the roentgenograms of the condensates gathered following evaporation of the compound at 1100 and 1250°C lack the lines of Ce and $CeBe_{13}$; therefore, appreciable dissociation occurs above 1050°C and the entire sublimated matter may be referred to Be. The saturated vapor pressure of Be over the $CeBe_{13}$ compound during the latter's thermal dissociation may be described by the equation: log P = 10.475-18,990/T. The findings were utilized to plot curves of the saturated vapor pressure of the compounds and their components (Fig. 1). Orig. art. has: 1 figures, 2 tables, 2 formulas.

Card 2/3

ACC NR: AP6019841

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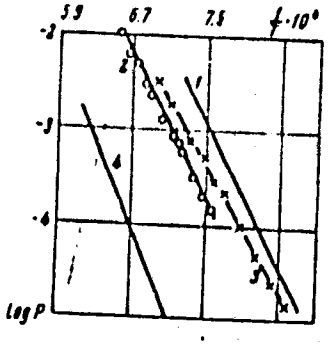


Fig. 1. Vapor pressure (P, mm Hg) of Be as a function of temperature for:

1 - pure Be; 2 - over the compound $CeBe_{13}$ during its thermal dissociation; 3 - over the alloy Be-0.4% Ce; 4 - pure Ce

SUB CODE: 11, 13 SUBM DATE: 25Jul64/ ORIG REF: 006/ OTH REF: 001

Card 3/3 OLR

L 44078-66 EWT(m)/T/EWP(w)/EWP(t)/ETI IJP(c) JD/JG
ACC NR: AP6030804 SOURCE CODE: UR/0185/66/011/009/1023/1025

AUTHOR: Amonenko, V. M.; Pavlov, V. S.; Kruglykh, A. A. 40 B

ORG: Physicotechnical Institute, Academy of Sciences UkrSSR, Kharkov (Fizyko-tekhnichnyy instytut, AN UkrSSR)

TITLE: Refining lanthanum 27 by combined zone melting 16 and electrotransfer process

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 11, no. 9, 1966, 1023-1025

TOPIC TAGS: ~~lanthanum, refining~~ lanthanum, zone refining, ~~lanthanum electrotransfer refining~~ electron beam melting

ABSTRACT: The feasibility of refining lanthanum by combined zone melting and electrotransfer process has been investigated. Specimens, 8 mm in diameter x 120 mm long, were prepared from 99.5%-pure 16 lanthanum melted in a vacuum of $3 \cdot 10^{-6}$ mm Hg. The specimens were subjected to zone refining in vacuum with electron-beam heating. Simultaneously, direct current with a density of 4.4 a/mm^2 was passed through the specimens for 70 or 180 hr, depending on the number of passes (5 or 10). It was found that the utmost purification was achieved with 5 passes, after which the impurities content was reduced as follows: oxygen from 0.080% to 0.032%, nitrogen from 0.0047% to 0.0040%, hydrogen from 0.0013% to an undetectable quantity, and carbon from 0.14% to 0.080%. The microhardness dropped from 50 to 30 kg/mm^2. Orig. art. has: 3 figures and 1 table. [TD]

SUB CODE: 11, 13/ SUBM DATE: 20Dec65/ ORIG REF: 003/ OTH REF: 002/ ATD PRESS: 5077

Card 1/1 gd

KRUGLYAK, B., inzhener.

Improvement in the manufacture of elevator pits. Muk.-elev. prom. 23 no.2:29 F '57. (MLRA 10:5)

1. Ivanteyevskiy stroitel'nyy kombinat.
(Grain elevators)

KHODZHAYEV, K.Kh.; KRUGLYAK, B.A.

New machines for unloading cement from railroad cars. Zhel. dor.transp. 43 no.4:70-73 Ap '61. (MIRA 14:3)

1. Nachal'nik gruzovoy sluzhby Tashkentskoy dorogi (for Khodzhayev).
2. Starshiy inzhener sluzhby Tashkentskoy dorogi.
(Cement—Transportation) (Loading and unloading)

KRUGLYAK, G.; SHAMRO, V.

More attention should be given to the mechanization of labor-consuming processes in technical maintenance work. Avt.transp. 32 no.9:14-15 S '54. (MLRA 7:11)

1. Avtobaza No. 1 Moskovskogo metrostroya.
(Automobiles--Maintenance)

KRUGLYAK,G.; SHAMRO,V.

Using the unit method of repairing automobiles in automobile transport organizations. Avt. transp. 33 no.5:19-20 My '55. (Motor trucks--Repairing) (MLRA 8:8)

KUZNETSOV, Ye.; KRUGLYAK, G.

Using new TO-1 maintenance regulations. Avt. transp. 36 no.8:14-16 Ag '58. (MIRA 11:9)
(Automobiles--Maintenance and repair)

KRUGLYAK, G.; KUZNETSOV, Ye.; PLESHAKOVA, T.

Using niger oil in lubricating motortruck chassis. Avt. transp. 37 no.11:26-27 N '59. (MIRA 13:2)
(Motortrucks--Lubrication)

KRUGLYAK, I., zootekhnik

Beef and dairy farms in the U.S.A. Nauka i pered. op v sel'khoz 9 no.5:75-78 My '59. (MIRA 12:8)
(United States--Dairying) (United States--Beef cattle)

KRUGLYAK, I.I.

Visiting with an English farmer. Nauka i zhizn' 23 no.2:54-56 F '56. (MLRA 9:5)

1. Chlen kollegii Ministerstva sovkhozov SSSR.
(Great Britain--Agriculture)

KRUGLYAK, I., inzhener.

Freezing of capillary pipes in home compressor iceboxes. Khol.tekh. 32 no.3:59-61 Jl - S '55. (MLRA 9:1)
(Refrigerators and refrigerating machinery) (Pipe-fittings--Ammonia)

KRUGLYAK, I., inzhener.

Temperature control device and temperature range in ZIS-MOSKVA electric refrigerators. Khol.tekh. 32 no.4:53-55 O-D '55. (Refrigeration and refrigerating machinery) (MIRA 9:4)

KRUGLYAK, I., inzhener.

Detecting faulty performance in the electrical equipment of a refrigerator "ZIS-Moskva". Khol.tekh.33 no.1:70-72 Ja Mr '56. (Refrigeration and refrigerating machinery) (MLRA 9:7)

AUTHOR: Kruglyak, I., Engineer. 66-1-21/26

TITLE: Re-filling of sealed refrigeration units during repairs, (Zapolneniye germeticheskikh kholodil'nykh agregatov pri remonte).

PERIODICAL: "Kholodil'naya Tekhnika" (Refrigeration Engineering), 1957, No.1, pp.69-71 (U.S.S.R.)

ABSTRACT: Detailed information is given on the process of re-filling the units of domestic refrigerators with the cooling agent of 100 to 250 kcal/hr capacity after repair, giving data relating to several models of Russian built refrigerators. There are three figures.

AVAILABLE:

Card 1/1

KHUGLYAK, L., inzh.

New modifications of the "ZIL-Moskva" refrigerating unit. Khol. tekh. 35 no.4:68-69 Jl-Ag '58. (MIRA 11:10)
(Refrigeration and refrigerating machinery)

KRUGLYAK, I., insh.

Connecting autotransformer into the thermoregulator circuit of the "Zil-Moskva and "Dnepr" refrigerators. Khol.tekh. 35 no.5:59-60 S-O '58. (MIRA 11:11)
(Refrigerators) (Electric transformers)

KRUGLYAK, I., inzh.

How to equip "Zil-Moskva" and "Dnepr" refrigerators with key locking devices. Khol.tekh. 35 no.5:60-61 S-O '58. (MIRA 11:11)
(Moscow--Refrigerators)

KRUGLYAK, Iosif Naumovich; SVIDERSKIY, Georgiy Danilovich; BERLYANT, I.Ya., red.; ZAYTSEVA, L.A., tekhn.red.

[Maintenance and repair of refrigerators] Remont domashnikh kholodil'nikov. Moskva, Vses.kooper.izd-vo, 1959. 238 p. (MIRA 12:8)

(Refrigerators--Maintenance and repair)

14(1) SOV/66-59-2-19/31

AUTHOR: Kruglyak, I., Engineer

TITLE: Adjustment of the Thermostat in Refrigerators "ZIL-Moskva" and "Dnepr" (Regulirovaniye termostata v kholodil'nikakh "ZIL-Moskva" i "Dnepr")

PERIODICAL: Kholodil'naya tekhnika, 1959, Nr 2, pp 61-62 (USSR)

ABSTRACT: The article describes the procedure of adjusting the thermostat on the refrigerators "Zil-Moskva" and "Dnepr" to the desired temperature of -7° to -8°C on the lower shelf of the evaporator.
There is one schematic diagram.

Card 1/1

KRUGLYAK, Iosif Naumovich; FIL'CHENKOV, Nikolay Arsen'yevich; GOLOVCHENKO, Konstantin Sergeyevich; LIKHAREVA, N.V., inzh., retsenzent; YEVSTAF'YEVA, N.P., red.; EL'KIND, V.D., tekhn. red.

[Compressor refrigerators for household use] Domashnie kompressionnye kholodil'niki. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1961. 166 p. (MIRA 14:12)

(Refrigerators)

KRUGLYAK, I.N.; SVIDERSKIY, G.D.; SHELYUTTO, Ye.P., red.;
KHARITONOVA, L.I., tekhn. red.

[Repair of household refrigerators]Remont domashnikh kholodil'nikov. Izd.2., perer. i dop. Moskva, Gosmestpromizdat, 1961. 279 p. (MIRA 15:12)
(Refrigerators—Maintenance and repair)

KRUGLYAK, I.N.

Temperature conditions of household refrigerator operations. Khol. tekh. 38 no. 1:57-58 Ja-F '61. (MIRA 14:4)
(Refrigerators)

KRUGLYAK, I.N., inzh.

Performance of the electric motors of home refrigerators under conditions of increased and reduced voltage. Khol.tekh. 39 no.2:45-48 Mr-Ap '62. (MIRA 15:4)
(Refrigerators) (Electric motors--Testing)

KRUGLYAK, I.N.; FIL'CHENKOV, N.A.; GOLOVCHENKO, K.S.; VEYNBERG, B.S., kand. tekhn. nauk, retsenzent; KUBAREV, V.I., inzh., red.

[Domestic compressor-type refrigerators] Domashnie kompressionnye kholodil'niki. Izd.2. Moskva, Izd-vo "Mashinostroenie," 1964. 206 p. (MIRA 17:8)

KRUGLYAK, I.S. [Kruhliak, I.S.], master po remontu gidrosistem

Pay more attention to the repair of hydraulic equipment.
Mekh. sil'. hosp. 12 no.12:14 D '61. (MIRA 17:1)

1. Tarashchanskoye rayonnoye otdeleniye "Sil'gosptekhniki".

KOTEL'NIKOV, V.K.; KHRISTOFOROV, D.G.; FREZEROV, G.V., prof., retsenzent; KRUGLYAK, L.A., inzh., red.; SEMENCHENKO, V.A., red.izd-va; MAKAROVA, L.A., tekhn. red.

[Attachments for the manufacture of metal-cutting tools] Prisposobleniia dlia proizvodstva rezhushchikh instrumentov. Moskva, Mashgiz, 1963. 189 p. (MIRA 17:3)

KHUGLYAK, L.A.

Standard technical operations in machining stepped shafts. Stan. i instr. 27 no.10:14-19 O '56. (MLRA 9:12)
(Shafts and shafting)

AUTHOR: Kruglyak, L.A. 593

TITLE: Advanced Production Processes for the manufacture of Spur Gears. (Peredovyye Tekhnologicheskiye Protsessy Obrabotki Tsilindricheskikh Zubchatykh Koles).

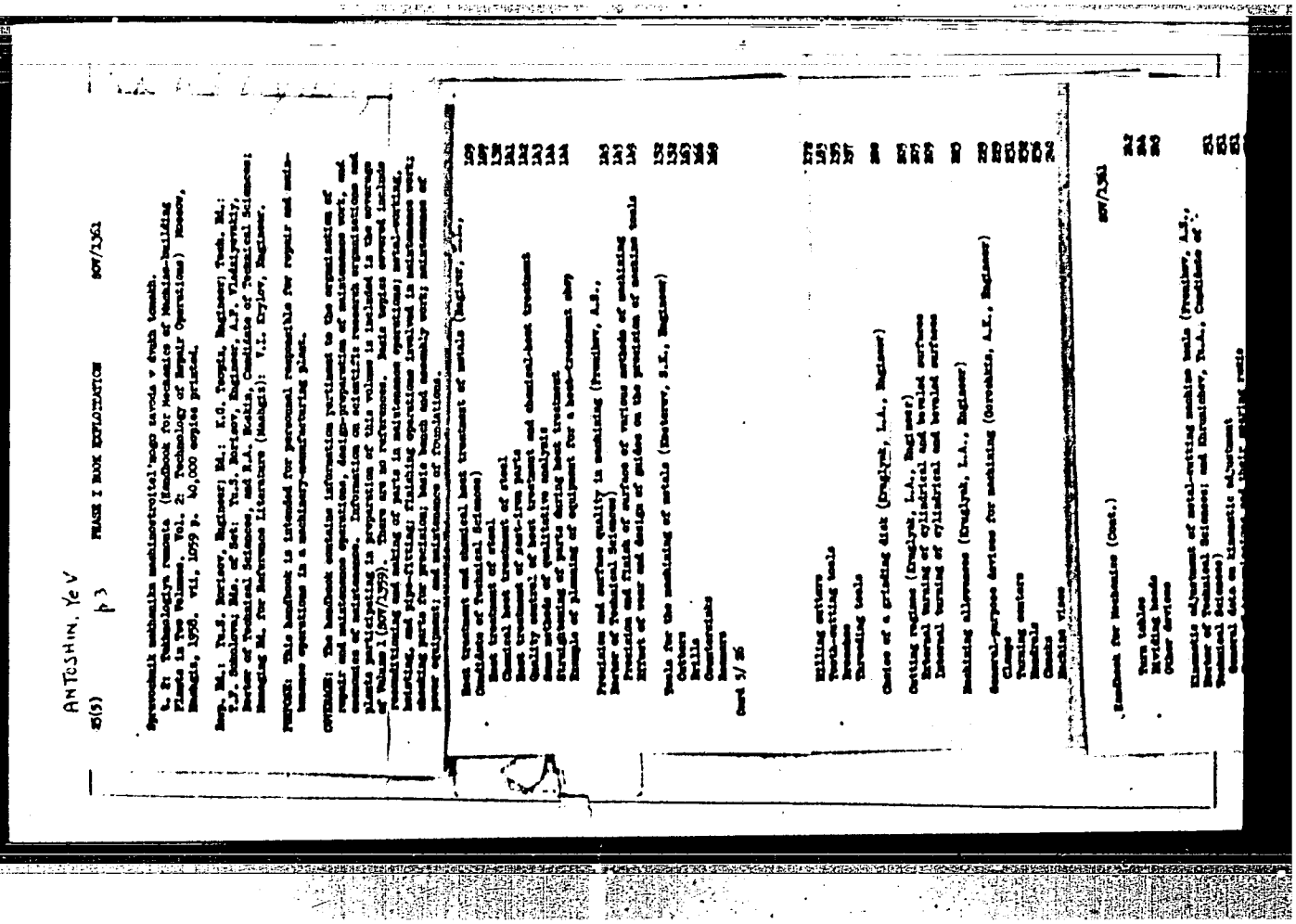
PERIODICAL: "Stanki i Instrument" (Machine Tools and Cutting Tools, No.3, 1957, pp.16-20. U.S.S.R.).

ABSTRACT: Soviet and foreign processes and machinery are compared at each stage of the production process. Among Soviet equipment, a special deburring and chamfering fixture is shown where a conical endmill follows the tooth contour at each wheel face. Investigations carried out by ZIL and the Machine Tool Plant Imeni S. Ordzhonikidze (Stankozavod Imeni S. Ordzhonikidze) have established that the shaving of gears made of case-hardened steel should be carried out after case-hardening and annealing. Class 2 precision can thus be obtained without grinding. A gear grinding machine, model 5832 (made by the "Komsomolets" Plant) operates by the generating method but has a worm shaped grinding wheel.

There are 7 references, including 1 Soviet.

There are 16 illustrations, including 6 photographs.

Card 1/1



ANTOSHIN, Ye V

.25(5) p3 PHASE I BOOK EXPLOITATION SOV/1361

Spravochnik mekhanika mashinostroitel'nogo zavoda v dvukh tomakh. t. 2: Tekhnologiya remonta (Handbook for Mechanics of Machine-building Plants in Two Volumes. Vol. 2: Technology of Repair Operations) Moscow, Mashgiz, 1958. vii, 1059 p. 40,000 copies printed.

Resp. Ed.: Ya.S. Borisov, Engineer; Ed.: K.G. Tsopin, Engineer; Tech. Ed.: T.F. Sokolova; Eds. of Set: Ya.S. Borisov, Engineer, A.P. Vladziyevskiy, Doctor of Technical Sciences, and I.A. Boskin, Candidate of Technical Sciences; Managing Ed. for Reference Literature (Mashgiz): V.I. Krylov, Engineer.

PURPOSE: This handbook is intended for personnel responsible for repair and maintenance operations in a machinery-manufacturing plant.

COVERAGE: The handbook contains information pertinent to the organization of repair and maintenance operations, design-preparation of maintenance work, and economics of maintenance. Information on scientific research organizations and plants participating in preparation of this volume is included in the coverage of Volume I (SOV/1359). There are no references. Basic topics covered include reconditioning and making of parts in maintenance operations; metal-working, hoisting, and pipe-fitting; finishing operations involved in maintenance work; checking parts for precision; basic bench and assembly work; maintenance of power equipment; and maintenance of foundations.

Card 8/26

KHRISTICH, Z.D., dots., kand. tekhn. nauk; KRUGLYAK, L.A., inzh., retsenzent; KUNIN, F.A., inzh., red.

[Automation of the manufacture of metal-cutting tools] Avtomatizatsiia instrumental'nogo proizvodstva. Moskva, Mashinostroenie, 1964. 215 p. (MIRA 17:10)

BEZUGLYY, V.D.; ALEKSEYEVA, T.A.; KRUGLYAK, L.P.

Polarography of N-substituted acrylamides and methacrylamides. Ukr.khim.zhur. 31 no.5:500-505 '65.

(MIRA 18:12)

1. Khar'kovskiy Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov. Submitted July 26, 1963.

BEZUGLYY, V.D.; ALEKSEYEVA, T.A.; DMITRIYEVSKAYA, L.I.; CHERNOBAY, A.V.; KRUGLYAK, L.P.

Application of the polarographic method for studying the kinetics of polymerization of 4-vinylbiphenyl and its derivatives and their copolymerization with styrene. Vysokom. soed. 6 no.1:125-130 Ja'64. (MIRA 17:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov.

GRIGOR'YEVA, N.Ye.; KRUGLYAK, L.P.; SHCHERBAKOVA, L.I.

Absorption spectra and structure of glutaconaldehyde dianils.
Zhur.ob.khim. 31 no.8:2599-2604 Ag '61. (MIRA 14:8)

1. Khar'kovskiy gosudarstvennyy universitet.
(Glutaconaldehyde) (Amines--Spectra)

ALEKSEYEVA, T.A.; KRUGLYAK, L.P.; BEZUGLYY, V.D.

Polarographic determination of styrene in polystyrene in the form of pseudonitrosite. Zav. lab. 29 no.6:657-659 '63.
(MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov.
(Styrene) (Polarography)

KRUGLYAK, M.I.

Practical exercises in psychology. Vop. psikhol. 8 no.4:143-148 Jl-Ag '62. (MIRA 16:1)

1. Pedagogicheskiy institut, Nezhin.
(Psychology—Study and teaching)

KRUGLYAK, M.I.

Formation of concepts in the grade 5-6 students. Vop. psikhol. 10 no.6:111-126 N-D '64. (MIRA 18:2)

1. Nezhinskiy pedagogicheskiy institut.

ALEKSANDROV, P.A.; DOLZHENKOV, F.Ye.; VORONTSOV, N.M.; BAT', Yu. I; TSUKANOV, G.E.; SAZONENKO, V.P.; CHEPELEV, P.M.; KRUGLYAK, P.F.

Working out the grooving of rolls and auxillary equipment for the rolling of Z-shaped pile planks. Trudy Ukr. nauch.-issl. inst. met. no.6:133-156 '60. (MIRA 14:3)
(Rolls(Iron mills))(Rolling(Metalwork))

KRUGLYAK, S., master sporta

With a spark of creativity. Kryl. rod. 15 no.7:25 Jl '64.
(MIRA 18:1)

1. Instruktor-aviamodelist L'vovskogo aviasportkluba.

EMANUEL', N.M.; VERMEL', Ye.M.; RAPOPORT, I.A.; KRUGLYAK, S.A.; DRONOVA, L.M.; OSTROVSKAYA, L.A.

Antineoplastic properties of powerful chemical mutagens (nitrosourea derivatives). Dokl. AN SSSR 163 no.2:483-485 Jl '65. (MIRA 18:7)

1. Institut khimicheskoy fiziki AN SSSR. 2. Chlen-korrespondent AN SSSR (for Emanuel').

SADOVNIKOVA, I.P.; YEROKHIN, V.N.; KRUGLYAK, S.A.; VERMEL', Ye.M.; EMANUEL', N.M.

Use of kinetic parameters in the evaluation of the antineoplastic activity of chemical compounds in an experiment. Vop.onk. 11 no.11:63-68 '65.

(MIRA 19:1)

1. Iz otdela khimicheskikh i biologicheskikh protsessov (zav. - chlen-korrespondent AN SSSR N.M.Emanuel') Instituta khimicheskoy fiziki AN SSSR (direktor - akademik N.N.Semenov).

VERMEL', Ye.M. (Moskva, V-261, ul. Panferova, 1, kv.40 ; KRUGLYAK, S.A. (Moskva, Sushchevskiy val, 14/42, korp.2, kv.36)

Antineoplastic activity of gossypol in experiment on transplanted tumors. Vop. onk. 9 no.12:39-43 '63. (MIRA 17:12)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta lekarstvennykh i aromaticheskikh rasteniy (direktor - P.T. Kondratenko).

VERNEL', Ye.M. (Moskva, V-261,ul.Panferova, 81,kv.20); KRUGLYAK, S.A. (Moskva, Suzhchevskiy val, 14/22,korp.2,kv.36)

Antineoplastic activity of some alkaloids. Vop. onk. 8 no.9:9-17 '62. (MIRA 17:6)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo Instituta lekarstvennykh i aromaticheskikh rasteniy (VILAR).

KRUGLYAK, S.A.

Representations of (p, p) groups over a field with the characteristic p. Dokl. AN SSSR 153 no.6:1253-1256 D '63. (MIRA 17:1)

1. Institut matematiki AN UkrSSR. Predstavleno akademikom A.I. Mal'tsevym.

PSHENITSYN, V.; KRUGLYAK, S.A., nauchnyy redaktor; TYUTYUNIK, M.S., redaktor; PYATAKOVA, N.D., tekhnicheskiy redaktor

[Statements of Sebryakovo workers on reducing the time required to build and equip cement factories] Slovo sebriakovtsev o szhatykh srokakh stroitel'stva i osvoeniia tsementnykh zavodov. Moskva, Gos.izd-vo lit-ry po stroit.materialam, 1957. 121 p. (MIRA 10:8)
(Cement plants)

MURASHEV, V.I., doktor tekhn.nauk, prof.; LUKASHKIN, N.I., laureat Stalinskoy premii; NEKRASOV, K.D., kand.tekhn.nauk; KRUGLYAK, S.I., inzh.

New designs of foundations for blast furnaces. Stroi.prom. 27 no.10:1-9 O '49. (MIRA 13:2)
(Blast furnaces) (Foundations)

1. KRUGLYAK, S. L.

2. USSR (600)

4. Cement Industries

7. Raising the output of mills by increasing the R.P.M.
TSement No. 2 (1952) Tauzskiy Tsementnyy Zavod

9. Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

KRUGLYAK, S.L.,

TYUTYUNIK, M,S., redaktor; KRUGLYAK, S.L., nauchnyy redaktor; LYUDKOVSKAYA, M.I., tekhnicheskiy redaktor.

[More cement for the Soviet homeland; work experience of the Georgian Stalin Cement Plant] Bol'she tsementa Sovetskoi rodine. Iz opyta raboty Gruzinskogo tsementnogo zavoda imeni I.V. Stalina. Moskva, Gos. izd-vo lit-ry po stroitel'nym materialam, 1954. 91 p. (MLRA 7:12)
(Cement)

KRUGLYAK, V.A., elektromekhanik

Improve the circuit of the passive set of the K8S-20/30 switchboard.
Avtom.-telem. i sviaz' 2 no.12:20 D '58. (MIRA 11:12)

1.Osnovyanskaya distantsiia signalizatsii svyazi Yuzhnoy dorogi.
(Telephone switchboards)