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DEGTYARENKO, G.[Dehtiarenko, H.], mashinist elektrokrana

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(MIRA 16:4)

1. Dnepropetrovskiy zavod im. Karla Libknekhta.

(Pipe—Welding)

DEGTYARENKO, I.

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1. Zamestitel' nachal'nika otdela kontory Kurortprodtorga.
(Sochi--Self-service stores)

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1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh reaktivov, Donetskiy filial.
(Bismuth compounds)
(Octylamine)

BAHKO, A.K.; SHEVCHUK, I.A.; DEGTYARENKO, L.I.

Extraction of halide complexes of bismuth. Trudy Kom.anal.khim. 14:148-153 '63. (MIRA 16:11)

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Determination of clacium microimpirity in amphoteric metals and their compounds and alloys. Zav. lab. 31 no.11:1309-1312 '65. (MIRA 19:1)

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DEGTYARENKO, M.D.

Materials on the hydrochemistry of Lake Beloye. Trudy Inst. biol.vodokhran. no.2:197-203 '59. (MIRA 13:5)
(Beloye, Lake (Vologda Province)--Water--Composition)

DESTYARENKO, N. S.

Low alloy high-speed steel for cutting (property; processing, and use) Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1941. (Mic 53-513)

Collation of the original as determined from the film: 99p.

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BR-52059019

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BR 52059019

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DEGTYARENKO, N.S., inzhener.

The instrument industry in the new Stalin five year plan. Stan. i instr. 18 no.9:4-6 S '47. (MLRA 9:1)
(Measuring instruments)

Machining & Machinability

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The Tool-Making Industry in the Third Year of the Post-War Five Year Plan. N. S. Dmitrenko. (*Stanki i Instrument*, 1949, No. 1, 6–9). [In Russian]. The achievements of the machine-tool and tool-making industry of the U.S.S.R. are outlined.—s. r.

1. DEGTYARENKO, N. S.

2. USSR (600)

4. Machine-Tool Industry

7. Metal economy in the tool industry. Stan. i instr. 23 no. 8, '52.

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

1. DEGTYARENKO, N. S.

2. USSR (600)

4. Machine-Tool Industry

7. Over-all accomplishments of the tool industry for the year 1951. Stan. i instr. 23 no. 12 1952.

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

DEGTYARENKO, N. S.

USSR/Engineering - Tools and Instruments

Card 1/1

Author : Degtyarenko, N. S.

Title : New Tools and Instruments

Periodical : Stan. i Instr. Ed. 1, 4-7, Jan/1954

Abstract : A general description of the following new precision machine-tools and instruments are given: drills and cutters, screw taps, reamers, disc cutters, dial-type depth indicators, gear aligning instruments, and piston-ring testing machines. Tool specifications and types of steel used in their manufacture are also mentioned. Drawing; Illustrations

Institution : .....

Submitted : .....

DEGTYARENKO, N.S.

USSR/ Engineering - Cutting tools

Card 1/1 Pub. 103 - 1/25

Authors : Degtyarenko, N. S.

Title : The highly efficient cutting conditions and tool designs

Periodical : Stan. i instr. 1, 1-4, Jan 1955

Abstract : In 1953-1954 the All-Union Research Tool Institute conducted a series of investigations related to problems of standardizing the cutting condtions of metals, means of economizing materials, maximum utilization of tools, and the design of a new series of cutting tools and measuring instruments. Results of experiments on cutting and testing metals are given, together with a description of various cutting tools, measuring instruments and tool adjusting devices. 2 USSR references (1953-1954). Drawing, graphs, illustrations.

Institution : .....

Submitted : .....

Дегтяренко, Н.С.

DEGTYARENKO, N.S.

Development of the instrument industry in the U.S.S.R. Stan. i instr. 28 no.10:8-11 O '57. (MLRA 10:11)
(Instrument industry)

Degtyarenko, N.S.

DEGTYARENKO, N.S.

Developing the production of cast cutting tools. Stan. i instr. 28 no.12:38 D '57. (MIRA 10:12)
(Cutting tools)

DEGTYARENKO, N.S.

SOKOLOV, N.L.

85(2), (7) p 3 PHASE I BOOK EXPLOITATION SOV/1437

Spravochnik metallista v pyati tomakh, t. 4, . (Metals Engineering Handbook in Five Volumes, Vol 4) Moscow, Mashgiz, 1958. 776 p. 50,000 copies printed.

Ed. (Title page): A.N. Malov, Candidate of Technical Sciences; Ed. (Inside book): V.I. Krylov, Engineer; Tech. Ed.: T.F. Sokolova; Editorial Board: N.S. Acherkan (Chairman and Chief Ed.), Doctor of Technical Sciences, Professor; V.S. Vladislavlev, Professor (Deceased); A.N. Malov, Candidate of Technical Sciences; S.N. Pozdnyakov; A. Ya. Rostovykh; G.B. Stolbin; and S.A. Chernavskiy; Managing Ed. for Reference Literature: V.I. Krylov, Engineer.

PURPOSE: This handbook may be useful to technicians and engineers working in the field of machine design and production.

COVERAGE: This volume covers the following topics: casting, forging, pressing, stamping, welding, electric methods of machining, and metal cutting. Recently developed electrical methods of machining which are not yet used in production are described; viz., the so-called "electropulse" and "electrohydraulic" methods. No personalities are mentioned. There are 79 Soviet references.

Card 1/9

AVAILABLE: Library of Congress

Card 9/9

GO/gmp
5-25-59

SOV/121-58-10-23/25

AUTHOR: DEGTYARENKO, N.S.,

TITLE: All-Union Conference of Tool Engineers (Vsesoyuznoye Soveshchaniye instrumental'shchikov)

PERIODICAL: Stanki i Instrument, 1958, Nr 10, p 43 (USSR)

ABSTRACT: An All-Union Conference of Tool Engineers which took place in May 1958, in Moscow, called by the All-Union Scientific Research Institute for Tools is briefly reported. Representatives of the State Planning Commissions (GOSPLAN) of the USSR, the Russian and Ukrainian SSR's, the local Economic Councils, Tool Manufacturing and Engineering Production Plants and of several Institutes took part. 22 Papers on the manufacture and utilisation of cutting tools, their design and processing and on tool materials were read. The main task of the specialised tool industry during the 1959-1965 period is an increased volume of production of standard metal cutting tools by increasing the output of existing specialised plants, the erection and commissioning of new plants and also the utilisation of floor space reserves at the disposal of the local Economic Councils for specialised tool production shops

Card 1/4

All-Union Conference of Tool Engineers

in engineering manufacturing plants. A major task is also the improvement of quality by the use of improved materials, the development of advanced designs and the introduction of modern tool production methods based on automation and mechanisation. The assortment of tools produced should be substantially reduced. The production of R18 high speed steel must be increased so that within 3 years it amounts to 70% of the total output of high speed steel. Cobalt steel should reach within the same period 6% of the total. High vanadium content high speed steels are scheduled for a large increase of production. The latter two qualities are mainly intended for the machining of austenitic steels and of heat treated steels of 350 Brinell hardness. High vanadium content tool steels are also to be used for finish cutting of these materials. The need exists to create tool steels with heat resistance to temperatures up to 400-500°C, so as to fill the gap between high speed steels with resistance up to 600°C and low alloy tool steels (such as 9KhS) stable up to

Card 2/4

All-Union Conference of Tool Engineers

250°C. The quality of the tool steel supplied must be improved by the application of carbide liquation (particularly in high speed steels). Cold rolled strip of R9 and R18 high speed steel for thin separating milling cutters and cold rolled flat bar of R9 steel for inserts in built-up milling cutters are required. The output of VK2, VK3, VK4 and VK6 carbides and of titanium-tungsten carbides should be increased. Carbide blanks for solid drills and milling cutters, crowns for end mills, twisted inserts for built-up milling cutters must be made more easily available. Small size carbide tools of plasticised carbides should be commercially produced. Stronger ceramic tool materials should be developed. The standardisation of tool designs and sizes should be more emphasised, the zoning of the production of simple standard tools should be organised. New automatic and semi-automatic machine tools for producing and sharpening tools must be developed. Automatic production lines for twist drills, taps, blades, lathe tools and others must be erected. The

All-Union Conference of Tool Engineers

development of tool grinders of several types must be accelerated. The welding of tool tips by automatic means must be further developed. The design offices of plants making tool production machinery must be increased. The range of rolled twist drills should be widened (12-50 mm) and their production multiplied. High output twist drills with rolled-in cooling holes are needed in greater quantities. Press forming of tools should be more generally adopted.

DEGTYARENKO, N.S.

Conference on manufacturing high-duty cutting tools. Stan.i instr. 29 no.6:45-46 Je '58. (MIRA 11:7)
(Metal cutting tools)

PHASE I BOOK EXPLOITATION SOV/4812

Degtyarenko, Nikolay Stepanovich

Mekhanizatsiya i avtomatizatsiya v instrumental'nom proizvodstve (Mechanization and Automation in Tool Making) Moscow, 1959. 50 p. (Series: Moskovskiy dom nauchno-tekhnicheskoy propagandy. Peredovoy opyt proizvodstva. Ser.: Progressivnaya tekhnologiya mashinostroyeniya, vyp. 8) 5,000 copies printed.

Sponsoring Agencies: Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy RSFSR; Moskovskiy dom nauchno-tekhnicheskoy propagandy imeni F.E. Dzerzhinskogo.

Ed.: L.Ya. Belostotskiy; Resp. Reviewer for this book: Ye.S. Frolova; Tech. Ed.: R.A. Sukhareva.

PURPOSE: This booklet is intended for technical personnel and process engineers engaged in cutting-tool manufacture.

COVERAGE: The author discusses conditions, problems, and trends in the mechanization and automation of tool manufacturing. He describes the snap-action clamping devices and briefly discusses automation devices for machining operations.

Card 1/3

Automated machine tools and transfer machines are also considered. No personalities are mentioned. There are 8 references, all Soviet.

TABLE OF CONTENTS:

DEGTYARENKO, N.S., kand.tekhn.nauk; VOLKOV, S.I., kand.tekhn.nauk; PODOSENOVA, N.A., kand.tekhn.nauk; IMSHENNIK, K.P., kand.tekhn. nauk; BRISKIN, Ya.I., inzh.; UVAROVA, A.F., tekhn.red.

[Technological processes for manufacturing metal-cutting tools; handbook] Tekhnologiia izgotovleniia metallorezhushchikh instrumentov; rukovodiashchie materialy. Pod red. N.S.Degtiarenko. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry. No.1. [Preparatory operations] Zagotovitel'nye operatsii. 1959. 162 p.

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy instrumental'nyy institut.

(Metal-cutting tools) (Metalwork)

KOSTOUSOV, A.I.; BRITSKO, K.M.; VOLODIN, Ye.I.; GRECHUKHIN, A.I.; DEGTYARENKO, N.S.; DOBROSKOK, A.N.; MARDANYAN, M.Ye.; NAYDENOV, I.A.; PROKOPOVICH, A.Ye.; TELYATNIKOV, L.P.; USPENSKIY, Ya.K.; KHLYNOV, V.N.; PERL'SHTEYN, Ye.A., nauchnyy red.; YEVSEVICHEV, V.I., red.; BUDOVA, L.G., tekhn.red.; NADEINSKAYA, A.A., tekhn.red.

[Machine-tool manufacture in Japan] IAponskoe stankostroenie. Pod obshchei red. A.E.Prokopovicha i M.E.Mardaniana. Moskva, TSentr. biuro tekhn.informatsii, 1959. 461 p. (MIRA 13:9)

1. Moscow (Province) Oblastnoy sovet narodnogo khozyaystva. (Japan--Machine tool industry)

PODGURSKIY, G.V.; PODOSENOVA, N.A.; ROSLAVLEV, V.G.; MIRINA, L.G.; GARASHCHENKO, A.P.; LUNEVA, Z.S.; PETROSYAN, L.K.; DEGTYARENKO, N.S., kand. tekhn. nauk, red.; LESNICHENKO, I.I., red. izd-va; GORDEYEVA, L.P., tekhn. red.

[Technological processes for manufacturing taps of high-speed steel] Tekhnologiia izgotovleniia metchikov iz bystrorezhushchei stali. Pod red. N.S.Degtiarenko. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 41 p. (MIRA 14:9)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy instrumental'nyy institut.
(Taps and dies) (Metalwork)

PODGURSKIY, G.V.; PODOSENOVA, N.A.; ROSLAVLEV, V.G.; MIRINA, L.G.; BUDNIKOV, N.Ye.; GARASHCHENKO, A.P.; LUNEVA, Z.S.; PETROSYAN, L.K.; GAMOVA, L.S.; DEGTYARENKO, N.S., kand. tekhn. nauk, red.; LESNICHENKO, I.I., red. izd-va; CHERNOVA, Z.I., tekhn. red.

[Technological processes in manufacturing metal-cutting tools] Tekhnologiia izgotovleniia reztsov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 79 p. (MIRA 14:10)
(Metal-cutting tools)

DEGTYARENKO, N. S.

17

PHASE I BOOK EXPLOITATION SOV/5581

Moscow. Dom nauchno-tekhnicheskoy propagandy.

Vysokoproizvoditel'nyy rezhushchiy instrument [sbornik] (Highly Productive Cutting Tools: Collection of Articles) Moscow, Mashgiz, 1961. 354 p. Errata slip inserted. 10,000 copies printed.

Sponsoring Agency: Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy RSFSR. Moskovskiy dom nauchno-tekhnicheskoy propagandy imeni F. E. Dzerzhinskogo.

Ed. (Title page): N. S. Degtyarenko, Candidate of Technical Sciences; Ed. of Publishing House: I. I. Lesnichenko; Tech. Ed.: Z. I. Chernova; Managing Ed. for Literature on Cold Treatment of Metals and Machine-Tool Making: V. V. Rzhavinskiy, Engineer.

PURPOSE : This collection of articles is intended for technical personnel of machine, instrument, and tool plants.

Card 1/6.

Highly Productive Cutting Tools (Cont.) SOV/5581

COVERAGE: The collection contains information on the following: new brands of high-speed steels and hard alloys; designs of built-up tools and tools for the machining of holes; tools for machining heat-resisting and light-metal alloys and plastics; tools for unit-head machines and automatic production lines; and methods for the sharpening and maintenance of carbide-tipped tools. No personalities are mentioned. There are 56 references, mostly Soviet. References accompany some of the articles.

TABLE OF CONTENTS:

AVAILABLE: Library of Congress

VK/wrc/jw
9-19-61

Card 6/6

DEGTYARENKO, N.S., kand. tekhn. nauk, red.; LESNICHENKO, I.I., red. izd-va; GORDEYEVA, L.P., tekhn. red.

[New technological processes for the manufacture of metal-cutting tools] Novaia tekhnologiia izgotovleniia instrumenta. Pod red. N.S.Degtiarenko. Moskva, Mashgiz. No.2. 1961. 138 p. (MIRA 15:3)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy instrumental'nyy institut.

(Metal-cutting tools)

S/568/61/000/002/001/004
D041/D113

AUTHORS: Degtyarenko, N.S., Candidate of Technical Sciences, Moiseyeva, N.A., and Ol'shevskiy, A.A., Engineers

TITLE: Burrless stamping of an arbor cutting tool

SOURCE: Gosudarstvennyy komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu. Vsesoyuznyy nauchno-issledovatel'skiy instrumental'nyy institut. Moscow, Mashgiz, 1961. Novaya tekhnologiya izgotovleniya instrumenta, 12-18

TEXT: The authors describe a new technological process of burrless stamping of blanks from P18 (R18) and P9 (R9) high-speed steel which was developed in order to raise the metal-utilization coefficient when manufacturing arbor cutters. The Laboratory of Plastic Deformations of VNII has accepted the burrless stamping method for series of blanks of arbor cutters: disc cutters, double-angle, side, and angular end milling cutters from R18 high-speed steel, gear cutters from 9XC (9KhS) and high-speed steel, and the shells of side milling and inserted-blade end milling cutters from 40X (40Kh) steel. For designing a forging, the dimensions of a finished workpiece were taken

Card 1/3

Burrless stamping of ...

to basic dimensions with a minimum machining allowance of 1-1.5 mm in height and diameter for each side. The allowance depends on the value of the decarbonized layer formed during heating. Burrless stamping of blanks of arbor cutting tools consists of the following operations: cutting and heating of the blank, upsetting in an open die, stamping in a closed die, and isothermal annealing. The blanks were heated on an MG-108 (MG7-108) high-frequency unit in a multiturn inductor up to 1,200°C (R18 steel) and 1,150°C (R9 steel). Stamping was carried out in two passes: upsetting in open dies and stamping in a closed pass. After stamping, the blanks must be slowly cooled with subsequent annealing or immediately annealed to avoid the formation of cracks. Annealing was carried out in a chamber furnace under the following conditions: heating temperature - 850°C; holding for 4 hours at 850°C; cooling to 750°C; holding for 6 hours at 750°C; furnace cooled to 600°C with subsequent cooling in the air. After annealing, the forging must have a Brinell hardness of 207-255. Two types of final passes were used for burrless stamping: (1) a stamping device without pusher with a die above and a punch below was used for stamping blanks of tools having a cut-

Card 2/3

S/568/61/000/002/001/004
D041/D113

Burrless stamping of

fficiently natural draw (double-angle angular cutters, gear-shaper cutters), and (2) a stamping device with a pusher with the die below and the punch above. The upsetting dies were made of 7Kh3 (7Kh3) steel with a hardness of HRC 47-50 and the die material for the final pass was 3Kh2V8 (3Kh2V8) or 4Kh8V2 (4Kh8V2) steel with a hardness of HRC 45-48. The results obtained on burrless stamping of arbor cutters at the Laboratory of Plastic Deformations of VNII and stamping of gear-shaper cutters and double-angle milling cutters conducted at the MIZ and the Zavod im. Voskova (Plant im. Voskov) have shown the possibility of stamping and obtaining high-quality blanks of tools from low-plasticity, high speed R18 and R9 steels. There are 3 figures and 2 tables.

Card 3/3

S/121/61/000/004/003/008
D040/D113

AUTHOR: Degtyarenko, N.S.

TITLE: The application of plastic deformation methods in toolmaking

PERIODICAL: Stanki i instrument, 32, no. 4, 1961, 16-20

TEXT: A general review is made of pressure methods employed in the USSR in the production of cutting tools (drills, threading taps, milling cutters, straight cutter shanks). Description of the following methods developed at VNII is presented: Drills — (1) "Sector rolling" consisting in rolling in forging rolls and subsequent twisting in special machines, with the back edge ready, and only the flute left to be polished. It is used for 15-45 mm diameter drills; (2)"Transverse rolling" of 6-10 mm diameter drills with straight shank, with simultaneous rolling, twisting and trueing, but requiring accurate grinding and polishing of the flutes. Drills of medium size and with tapered shank are squeezed through a die with spiral grooves, and drills with cylindrical shank are rolled in mills with rolls placed so as to match the helix angle of the drill flutes. This latter method is used

Card 1/5

for 2-10 mm drills. Taps: - "Reduction" (Fig.2), consisting in pushing the blank (2) through the die (3) with a punch (1). The reduced blank (4) is pushed out by a pusher (5). This process is possible in various presses, but the most suitable is the automatic cold-extrusion A148-T ("A148-T") press of 45 pieces/min capacity. The reducing composite die with a carbide insert is illustrated (Fig.3). Moistening with a saturated solution of copper vitriol is practiced to produce a lubricating film. The square on taps is produced by milling, broaching, or cold stamping as is used at the "Frezer" Tool Plant, a plant in Tomsk, etc. The thread on taps is produced either by rolling (carbon steel taps) or in the case of high-speed steel, by pre-rolling and grinding. Rolling at the zavod "Frezer" ("Frezer" Plant) is automatic. The blanks, provided with multiface surface are rolled in dies or in special grinding machines or by rolling in a special device. Milling cutters. - "Burr-free" stamping is used for making mills of high-speed P18 (R18) and P9 (R9) steel. This process is described in another work. (Ref. 1: Novaya tekhnologiya izgotovleniya rezhushchego instrumenta. [New cutting tools production technology], vyp. 2, VNII, Mashgiz, 1961). The method reduces the carbide nonhomogeneity in metal, which improves the mechanical

properties. The VNII and some tool plants have started using "burr-free" stamping for a variety of mills. The process has 5 stages: (1) shearing; (2) heating; (3) upsetting in open die; (4) stamping in closed die; (5) isothermic annealing. Shearing has to be accurate, and the scale formation in heating reduced to a minimum by using high-frequency induction heating. Fixing spots are used in the open die. The dies are of two types, (1) with the punch at the bottom, and (2) with the punch on the top. VNIITMASh, together with the "Frezer" Plant have developed an experimental rolling mill and a method for "transverse-helical rolling" helical faces on hobs (Ref.3: M.V. Vasil'chikov, M.M. Volkov, and B.A. Meyler, "Stanki i instrument", no.4, 1959) by which metal fibers are not cut but follow the teeth outline and are dense in the grooves and on the teeth flanks. The rolling process lessens the carbide nonhomogeneity in high-speed steel, and this provides for higher durability of hobs. Straight cutter shanks are produced by drawing, as at the Avtozavod im. Likhacheva (Automobile Plant im. Likhachev), bending in special bending dies, and stamping. A stamp design for hot stamping is shown in a drawing. It produces two cutters at one stroke by compressing the center of the blanks (corresponding in length to two cutters) heated in an induction heater. The milling of back angle on cutters is eliminated.

S/121/61/000/004/005/008
The application of plastic deformation methods ... D040/D113

Small cutters are stamped cold. "Frezer", ZIL and some other plants use presses and special dies for cutting tool steel blanks. It is mentioned that cold-drawn steel and silver steel used for tools at some plants permit the use of automatic lathes, or completely eliminate turning. Only round cold-drawn steel is available, and the authors point out that the production of rectangular section and high-speed steel band ought to be started. The application of pressure working methods in toolmaking industry is advocated. There are 8 figures, 2 tables and 4 Soviet references.

Card 4/5

DEGTYARENKO, N.S.

Conference of metal-cutting tool engineers of Western Siberia.
Stan.i instr. 32 no.2:37-38 F '61. (MIRA 14:2)
(Siberia, Western—Metal-cutting tools)

DEGTYARENKO, N.S.; LEVIN, V.I.

Grinding drills having Morse No.1 cone tangs. Stan.i instr. 32 no.6:29-31 Je '61. (MIRA 14:6)
(Grinding and polishing)

DEGTYARENKO, N.S., kand. tekhn. nauk, red.; ARTYUKHIN, V.A., red.izd-va; TIKHANOV, A.Ya., tekhn. red.

[Metal-cutting machines and press-forging equipment for tool manufacture; an annotated catalog] Metallorezhushchie stanki i kuznechno-pressovoe oborudovanie dlia instrumental'nogo proizvodstva; katalog-spravochnik. Moskva, Mashgiz, 1962. 215 p. (MIRA 15:6)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy instrumental'nyy institut.

(Metal-cutting tools)

DEGTYARENKO, N.S., kand.tekhn.nauk; MOSEYEVA, N.A., inzh.; OL'SHEVSKIY, A.A., inzh.

Seamless stamping of put-on cutting tools. Nov.tekh.izg.instr. no.2:12-18 '61. (MIRA 15:8)
(Metal-cutting tools) (Forging)

DEGTYARENKO, N.S., kand.tekhn.nauk; GAVRYUSHINA, R.Yu., inzh.

Reducing the blanks of taps. Nov.tekh.izg.instr. no.2:26-41 '61. (MIRA 15:8)

(Taps and dies)

DEGTYARENKO, N.S., kand.tekhn.nauk; LEVIN, V.I., inzh.

Investigating finishing operations in machining drills with diameters from 6.0 to 15.5 mm. Nov.tekh.izg.instr. no.2:88 '61. (MIRA 15:8)

(Grinding and polishing)

DEGTYARENKO, M.S., kand.tekhn.nauk

Optimum conditions for the grinding of metal-cutting tools made of high-speed steel. Nov.tekh.izg.instr. no.2:106-131 '61. (MIRA 15:8)

(Grinding and polishing)

KOSTOUSOV, A.I.; VASIL'YEV, V.S.; GRECHUKHIN, A.I.; DEGTYARENKO, N.S.; PETROCHENKOV, A.G.; PROKOPOVICH, A.Ye.; TELESHOV, A.P.; SHEVYAKOV, L.N.; GONCHAROVA, S.L., nauchn. red.; BORUSHMOY, I.V., red.; LOGINOVA, R.A., red.; MONAKHOVA, N.F., red.; SHCHEGLOVA, I.B., red.; KOVAL'SKAYA, I.F., tekhn. red.

[Machine-tool industry in Japan according to materials from the Machine-tool Exhibition of 1962 in Osaka] Stankostroenie IAponii; po materialam stankostroitel'noi vystavki 1962 goda v g.Osaka. Moskva, 1963. 473 p. (MIRA 16:12)

1. Moscow. TSentral'nyy institut nauchno-tekhnicheskoy informatsii po avtomatizatsii i mashinostroyeniyu.
(Japan--Machine-tool industry)

S/121/63/000/001/007/014
A004/A126

AUTHORS: Degtyarenko, N.S., Vvedenskaya, N.P.

TITLE: Tool grinding by means of diamond wheels with bakelite and metallic binders

PERIODICAL: Stanki i instrument, no. 1, 1963, 26 - 30

TEXT: The authors report on investigations of elastic grinding by means of diamond wheels with bakelite and metallic binders carried out by VNII in connection with research work on the automation and mechanization of the grinding and dressing of cutting tools with sintered carbide bits. As a result of these studies it was found that the elastic tool grinding with diamond wheels with bakelite binder makes it possible to increase the efficiency by a factor of 5 in comparison to grinding with rigid clamping of the tool. Optimum grinding conditions are obtained at a wheel speed of 30 m/sec and a pressure of 3.0 kg/cm^2, if wheels of A6 grain size and 50% concentration are used on machining areas of up to 0.33 cm^2. Diamond wheels with metallic binder of A5 - A6 grain size admit pressures in the range of from 7.3 - 11 kg/cm^2. To reduce clogging of the wheel

Tool grinding by means of diamond wheels with .....

surface, wheels of 100% concentration are recommended. Under optimum conditions of elastic grinding, diamond wheels with metallic binders are 4—5 times more efficient than those with bakelite binder, while the same surface finish is obtained. For mechanizing and automating tool-grinding processes, the elastic grinding with diamond wheels with bakelite or metallic binder is considerably more efficient than the present technology of grinding with diamond wheels, while a surface finish of at least class 9 can be attained. The model B 3-80 (V3-80) grinder for the diamond grinding of cutting tools has been designed according to the principle of elastic grinding. There are 9 figures.

Card 2/2

DEGTYARENKO, N.S.

Manufacture and use of diamond tools in Japan. Stan.i instr. 34 no.7:38-41 Jl '63. (MIRA 16:9)
(Japan—Diamonds, Industrial)

DEGTYARENKO, N.S.

Efficiency of diamond grinding of cutting tools. Stan. i instr. 36 no.6:30-33 Je '65. (MIRA 18:8)

ACC NR: AP6036045 SOURCE CODE: UR/0121/66/000/010/0016/0018

AUTHORS: Flid, M. D.; Degtyarenko, N. S.

ORG: none

TITLE: Factors affecting the productivity of resilient grinding of hard alloys, using grinding wheels

SOURCE: Stanki i instrument, no. 10, 1966, 16-18

TOPIC TAGS: grinding, metal cutting, grinding wheel, metal alloy/ T15K6 metal alloy, VK2 metal alloy, AS010M5 grinding wheel, AS06B1 grinding wheel

ABSTRACT: Experimental data are presented and empirical relationships are derived to show that the influence of technological factors and operating regimes on the productivity of resilient grinding (the contact load is applied through a resilient element: 1--3 kg/mm) of hard alloys. Grinding wheels AS010M5 and AS06B1 were used on alloys T15K6, VK2, and several other alloys. Effects of speed (6--30 m/sec), contact force (1--15 kg), properties of machined metals, contact area, and grinding wheel properties on the productivity (mm^3/min) were measured and are presented. Empirical relationships based on these curves are established for each of the important parameters, and a general empirical equation for the productivity of resilient grinding as a function of pertiment parameters is established in the form

Card 1/2 UDC: 621.923.4:621.921.34:621.9.025.7.001.5

ACC NR: AP6036045

$$Q = C_1(C_\sigma - \sigma_{izg})\, v^x P_y^y F_k^{-z} K_z K_k K_{sv}$$

where Q = productivity; σ_{izg} = bending strength of machined metal; v = grinding speed; P_y = grinding force; F = grinding area; C_1, C_σ, K_z, K_k, x, y, and z are constants which are tabulated for the two types of grinding wheels tested. This equation is also solved for the necessary grinding force (P_y) to give a certain productivity, and an example of the necessary calculations is presented. Orig. art. has: 5 figures, 3 formulas, and 1 table.

SUB CODE: 13/ SUBM DATE: none/ ORIG REF: 003

Card 2/2

DEGTYARENKO, N. Ya.

"On the Nature of Clays," Iz. Ak. Nauk, Otdel Tekh, Nauk, No. 6, 1946.
(V. V. Kubyshev Const. Eng. Inst., Moscow (-1946-).

ALIYEV, SH.B.; DEGTYARENKO, R.N.

Synthesis of chloronitrohydrocarbons. Izv. vys. ucheb. zav.; neft' i gaz no. 5:109-114 '58. (MIRA 11:8)

1. Azerbaydzhanskiy politekhnicheskiy institut.
(Hydrocarbons)

DEGTYARENKO, V.I.

Correlation of the structure and function of tuberculin. Report No.1: Role of tuberculin amine groups in the cutaneous allergy reaction. Zhur.mikrobiol., epid. i immun. 42 no.12:107-113 D '65.

(MIRA 19:1)

1. Odesskiy nauchno-issledovatel'skiy institut tuberkuleza.

POLUKHIN, P.I.; KUDRYAVTSEV, A.S.; DEGTYARENKO, V.K.; LEONT'YEV, S.A.; RYABINKOV, V.T.

Investigating temperature conditions in the operation of rolls on the 2500 MMK rolling mill. Stal' 23 no.9:819-824 S '63. (MIRA 16:10)

1. Moskovskiy institut stali i splavov i Magnitogorskiy metallurgicheskiy kombinat.

DEGTYARENKO, V.N., inzhener.

Horizontal thrust of pipes through railroad and highway embankments. Biul. stroi.tekh. 10 no.10:6-8 My '53. (MLRA 6:8)

1. Trest Transpetsstroy MPS. (Pipe, Steel)

SOV/137-57-11-20755D

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 11, p 17 (USSR)

AUTHOR: Degtyarenko, V. N.

TITLE: ~~Layouts of the Major Stock~~ Piles at Ferrous Metallurgy Plants (Skhemy osnovnykh sortirovochnykh stantsiy zavodov chernoy metallurgii)

PERIODICAL: Author's dissertation for the degree of Candidate of Technical Sciences, presented to the Rostovsk. inzh.-stroit. in-t (Rostov Structural Engineering Institute), Rostov-na-Donu, 1957

ABSTRACT: The job of the stock-pile departments. Ferrous-metallurgy establishments and the characteristics of their materials flow. The single-purpose operating technology of industrial stock-pile departments. Economic premises of the utilization of mechanized sorting equipments in such departments. I. G.

ASSOCIATION: Rostovsk. inzh.-stroit. in-t (Rostov Structural Engineering Institute), Rostov-na-Donu

Card 1/1

SOV/137-57-11-20830

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 11, p 27 (USSR)

AUTHOR: Degtyarenko, V.N.

TITLE: The Efficiency of Mechanized Ore-sorting Devices at the Main Dumps of Ferrous Metallurgy Plants (Effektivnost' primeneniya mekanizirovannykh sortirovochnykh ustroystv na osnovnykh stantsiyakh zavodov chernoy metallurgii)

PERIODICAL: Tr. Rostovsk. n/D inzh.-stroit. in-ta, 1957, Nr 7, pp 91-116

ABSTRACT: A critical evaluation of the more effective versions of plant-railroad installations at metallurgical plants.

P.N.

Card 1/1

Degtyarenko, Ya.A.

GOLOVATYY, R.N.; DEGTYARENKO, Ya.A.

Determination of P_2O_5 in ordinary superphosphates and phosphorites by the cationization method. Nauk.zap.L'viv.un. 21:152-155 '52. (MLRA 10:7)

(Phosphorus oxides) (Phosphates) (Phosphorites)

DEGTYARENKO, Ya. A.

Dissertation: "The Use of the Ion-Exchange Method for the Determination of Boron, Phosphorus, and Silicon." Cand Chem Sci, Institute of General and Inorganic Chemistry, Acad Sci Ukrainian SSR, 17 Jun 54. (Pravda Ukrainy, Kiev, 6 Jun 54)

SO: SUM 318, 23 Dec 1954

DEGTYARENKO YA A

USSR/Analytical Chemistry - Analysis of Inorganic Substances, G-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1245

Author: Degtyarenko, Ya. A., and Oshchapovskiy, V. V.

Institution: Lvov Polytechnical Institute

Title: Colorimetric Determination of Silicon in Steels by the Application of Ion Exchange

Original Periodical: Nauch. zap. L'vovsk. politekhn. in-ta, 1956, Vol 22, 107-110

Abstract: A 0.1 gms steel sample is treated with 7 ml 1:1 HNO_3 and 7 ml 1:1 HCl; the solution is heated, transferred to a 250 ml volumetric flask and the flask filled with water up to the mark. The solution is stirred and allowed to stand or part of the solution is filtered into a dry beaker; 5 or 10 ml of the solution are passed through a cation-exchange column with a flow rate of 2-3 ml/min. The column is washed with 5 ml portions of water. The time required for filtration and washing does not exceed 5-10 minutes. The eluate and the wash solutions are poured into a 50-ml volumetric flask, to which one milliliter of 5 N H_2SO_4

Card 1/2

USSR/Analytical Chemistry - Analysis of Inorganic Substances, G-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1245

Abstract: and 3 ml 5% ammonium molybdate solution are added. The solution is stirred and allowed to stand 10 minutes, after which 4 ml portions of 8 N H_2SO_4 are added to the solution, the latter is stirred, and 3 ml 0.5% $SnCl_2$ solution are added dropwise. The volume is adjusted to the mark, the solution is stirred, and after 5 minutes the intensity of the color is determined with an immersion colorimeter. A standard solution was prepared by dissolving samples of Na_2SiF_6. During the chromatographing of acid solutions of steels containing small quantities of Si, silicic acid is not adsorbed on type SBS, Espatit 1, and Vofatit II cation-exchange resins.

Card 2/2

Rapid determination of fluorine and boron in lead fluoborate electrolytes by ion exchange. V. [illegible] Degtyarenko ([illegible] Inst., Lvov). *Ukrain. Khim. Zhur.* [illegible] (1953)(in Russian).—Twenty ml. of an electrolyte contg. $Pb(BF_4)_2$, HBF_4, and H_3BO_3 is dild. to 1 l. A 25-ml. aliquot of this electrolyte is mixed with 25 ml. H_2O, and passed through a cation exchanger to replace Pb with H. The resin is rinsed 3 times with 25 ml. H_2O, 8–10 ml. 2M $CaCl_2$ added to the soln. and washings, and the mixt. refluxed 1 hr. This decomp. the HBF_4 into H_3BO_3, CaF_2, and an equiv. amt. of HCl. The HCl is detd. with standard NaOH with methyl orange. The H_3BO_3 can be detd. in the same soln. by addn. of mannitol and titration to the phenolphthalein end point. John Howe Scott

RM

MAKSIMYCHEVA, Z.T.; BABAYEV, A.; FEL'DMAN, M.M.; BRYNZA, A.P.; DEGTYARENKO, Ya.A.; NAGIBIN, V.S.; ARKHIPOVA, A.V.

Exchange of experience. Zav.lab. 28 no.4:426-427 '62. (MIRA 15:5)

1. Tashkentskiy gosudarstvennyy universitet imeni Lenina (for Maksimycheva, Babayev). 2. Dnepropetrovskiy gosudarstvennyy universitet (for Fel'dman, Brynza). 3. L'vovskiy politekhnicheskiy institut (for Degtyarenko). 4. Institut metallurgii imeni Baykova (for Nagibin, Arkhipova).
(Metals--Analysis)

DEGTYARENKO, Ya.A.; KOGUT, L.N.

Determination of ammonia in a cyanide bath for brass plating.
Ukr.khim.zhur. 29 no.1:94-96 '63. (MIRA 16:5)

1. L'vovskiy politekhnicheskiy institut.
(Ammonia) (Cyanides) (Brass plating)

DEGTYARENKO, Yu.P.

Ancient glaciation of the Koryak mountain system. Trudy VSEGEI 64:135-140 '61. (MIRA 15:6)
(Koryak Range--Glacial epoch)

DEGTYAREV, A. (g.Yemenzhelinsk)

Progressive mine section. Mast. ugl. no.10:13 O '59. (MIRA 13:3)
(Chelyabinsk Basin--Coal mines and mining)

DEGTYAREV, A.A., inzh.; MILASHEVSKIY, V.A., inzh.

Efficient utilization of small resources. Stroi.truboprov. 6 no.11:25 N '61. (MIRA 15:4)

1. Stroitel'nyy uchastok No.13 Svarochno-montazhnogo tresta, g. Kstovo Gor'kovskoy oblasti.
(Pipe fitting)

L 10582-67 EWT(d)/EWT(m)/EWP(h) TCH
ACC NR: AT6005985 SOURCE CODE: UR/0256/65/000/008/0061/0066

AUTHOR: Degtyarev, A. A. (Engineer, Colonel, Candidate of Technical Sciences, Docent)

ORG: None

TITLE: The ability of an aircraft to move over the ground

SOURCE: Vestnik protivovozdushnoy oborony, no. 8, 1965, 61-66

TOPIC TAGS: aircraft, aircraft performance, military airfield, airfield engineering, runway construction

ABSTRACT: Aircraft characteristics must be taken into account when selecting and preparing unpaved airstrips. Formulas and diagrams for determining the degree of ground resistance to movement of an aircraft, the effect of using different size tires, and the minimum power required to set the aircraft in motion when it has been parked are given. Nomograms for determining the length of runway necessary for different atmospheric and wind conditions, aircraft weights, and thrust capability, and for the effect varying degrees of slope have on the length of takeoff or landing rollout of the aircraft are included and should be developed by all aviation units. Military commanders and aviation personnel are warned that although use of the formulas and nomograms suggested in the article is long and difficult they cannot reach

Card 1/2

L 10882-67
ACC NR: AP6005985

6

maximum operational effectiveness unless all of the factors involved are calculated precisely and put into effect. Orig. art. has: 3 formulas, 3 figures and 1 table.

SUB CODE: 01, 15/DATE SUBM: None

Card 2/2

DEGTYAREV, A.I., mostovoy master

Our experience in the maintenance of railroad structures. Put' i put.khoz. 4 no.11:26 N '60. (MIRA 13:12)

1. St. Dzhambul, Kazakhskoy dorogi.
(Railroads—Maintenance and repair)

SOV/86-58-10-19/40

AUTHOR: Degtyarev, A.N., Lt Col, Military Pilot First Class

TITLE: Pilot Proficiency Check for Flights Under Unfavorable Weather Conditions (Kontrol' podgotovlennosti letchika k poletu v slozhnykh meteousloviyakh)

PERIODICAL: Vestnik vozdushnogo flota, 1958, Nr 10, pp 40-43 (USSR)

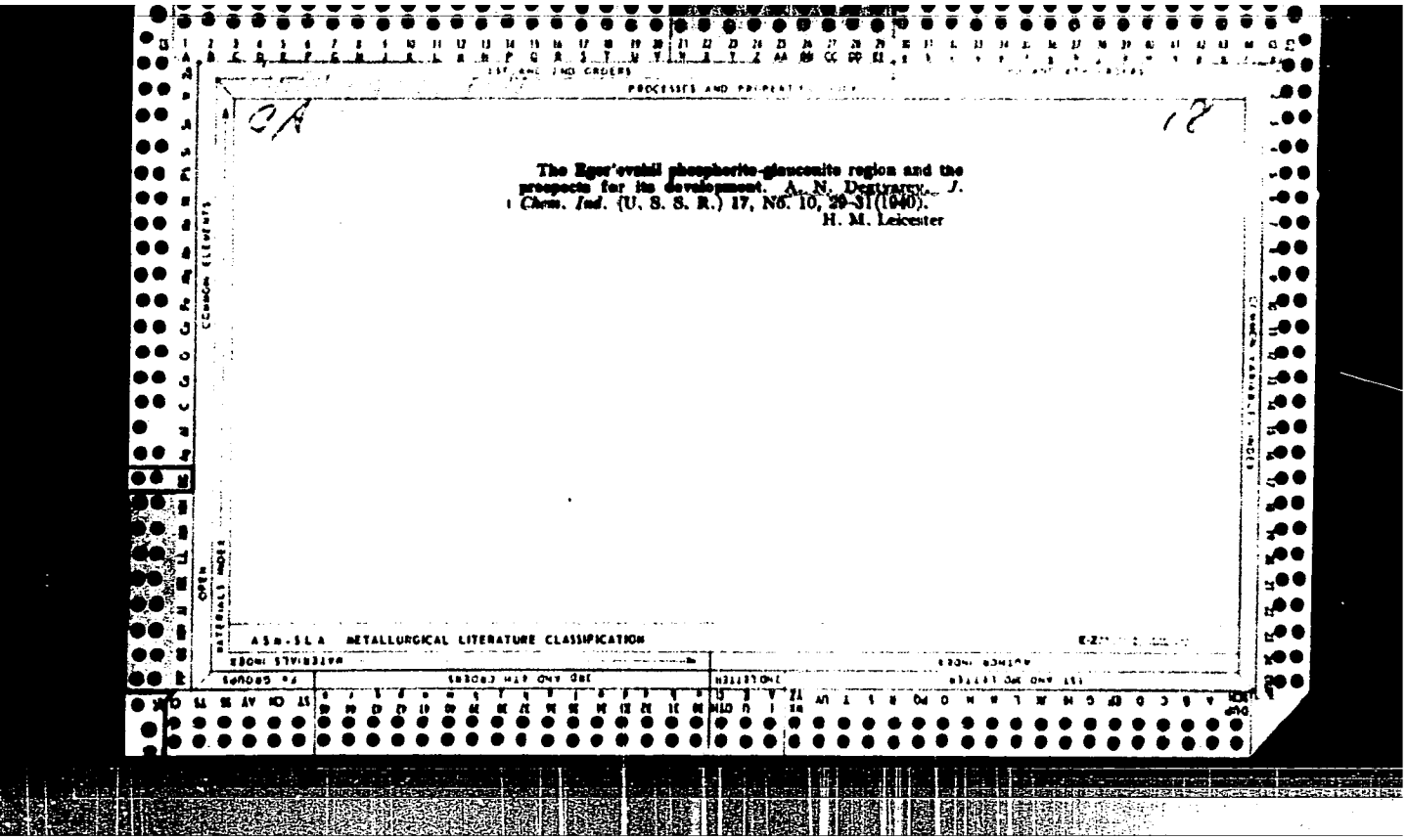
ABSTRACT: In this article the author stresses the importance of pilot proficiency checks for flights under adverse weather conditions. The author states that every flight should be preceded by a thorough and detailed preparation of pilots. The fitness of a pilot can be checked best when all stages of a forthcoming flight are rehearsed in all details on the ground. According to the author, as many commanders and chiefs of services as possible should participate in the preparation of pilots for the flights. This will help the pilots to be better prepared for their missions.

Card 1/1

BELYAKOV, V.D.; KIROV, S.K.; GORELIKOV, I.A.; DEGTYAREV, A.A.; CHIKIN, M.N.

Dependence of the immunological effectiveness of typhoid and paratyphoid complete antigens on their quality and dosage. Zhur. mikrobiol., epid. i immun. 43 no. 1 37-41 Ja '66 (MIRA 19:1)

1. Submitted April 5, 1965.



CA 17

The Egor'evskii phosphorite-glauconite region and the prospects for its development. A. N. Denisenko. *J. Chem. Ind.* (U. S. S. R.) 17, No. 10, 29-31 (1940).
H. M. Leicester

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

USSR/Chemistry - Raw materials

FD-1797

Card 1/1 Pub 50-1/19

Author : Degtyarev, A. N. and Dukhovlinov, D. P.

Title : The prospects of developing open-pit mining of chemical raw materials

Periodical : Khim. prom. No 2, pp- 65-67 (1-3), Mar 1955

Abstract : Describe the advantages of open-pit mining, which is predominantly used in the case of phosphorites, and outline the possibilities and technical aspects of its expansion to the potassium salts, raw materials containing sulfur, etc.

Institution: State Institute of Mined Chemical Raw Materials and Main Administration of Mined Chemical Raw Materials (Glavgorkhimprom).

SOV/118-58-11-3/19

AUTHORS: Degtyarev, A.N. and Degtyarev, V.N., Engineers

TITLE: Complex Mechanization in Phosphorite Mines (Kompleksnaya mekhanizatsiya na fosforitnykh rudnikakh)

PERIODICAL: Mekhanizatsiya trudoyëmkikh i tyazhëlykh rabot, 1958, Nr 11, pp 12-16 (USSR)

ABSTRACT: The author analyzes the operation of 4 phosphorite mines. The Bryanskiy rudnik (the Bryansk Mine) and the Lopatinskiy rudnik (Mine) are equipped with multi-bucket excavators, while the Yegor'yevskiy rudnik (Mine) and the Verkhne-Kamskiy rudnik (Mine) are using single-bucket excavators. The Bryansk Mine is equipped with a complete set of machines imported from the Soviet Zone of Germany. The author gives a detailed evaluation of the operation of the above-mentioned open pit phosphorite mines, and comes to the conclusion that the application of multi-bucket excavators, in connection with

Card 1/2

Complex Mechanization in Phosphorite Mines SOV/118-58-11-3/19

the complex mechanization of all stoping processes, gives the best technical and economic results.
There are 3 diagrams, 1 photograph and 3 tables.

1. Phosphorus--Production 2. Mining engineering--USSR
3. Industrial equipment--USSR

Card 2/2

2(1)

AUTHORS: Degtyarev, A. N., Kushnarev, D. M. SOV/64-59-5-21/28

TITLE: Experimental Application of Millisecond Explosions in the Mining Industry

PERIODICAL: Khimicheskaya promyshlennost', 1959, Nr 5, pp 445 - 446 (USSR)

ABSTRACT: The explosive charges (with instantaneous or delayed explosion), as applied nowadays, exhibit several disadvantages. A more complete explosion may be attained by using millisecond explosions as was shown by experiments in the mines Kara Tau, Solikamsk and Berezniki (potash mines) and in the open-work mining in the apatite mine of the Kombinat Apatit. The new method consists of explosions that follow each other with a retardation of milliseconds, so that additional planes in the rock are exposed. The interval of retardation must be selected in that way, that the explosions take place in the moment of maximum strain in the rock or at the beginning of crack formation. Films taken showed, that the interval of retardation between the explosion sequences ought to be about 25-40 milliseconds. A remarkable deviation of this value leads to normally retarted or instantaneous explosions. An electro-explosive charge ED-KZ (Fig)

Card 1/2

with short retarded action is manufactured by the domestic industry, to carry out described explosions. The explosive charges are produced for intervals of retardation of 25 milli seconds (in stages of 25, 50, 75, 100, 150 and 250 milliseconds). An increase of mining capacity of 10-15% for open-work mining, and, under certain conditions, an increase of 15-20% for underground mining, was attained by the application of the new explosive charges. For work in shifted or cracked rocks (Kombinat "Kara Tau" and in some parts of the apatite mine) a possible decrease of mining capacity is to be expected. There is 1 figure.

ASSOCIATION: Gosudarstvennyy institut gornokhimicheskogo syr'ya (State Institute of Chemical Raw Materials for Mining)

DEGTYAREV, A.N.

Ways of increasing the capacity of multibucket excavators at phosphorite mines. Khim.prom. no.8:558-562 Ag '61. (MIRA 14:8)
(Phosphorites) (Excavating machinery)

DEGTYAREV, A.N., kand. tekhn. nauk; PAKHOMOV, N.M., inzh.

Practice of carrying out blasting operations under conditions of water confinement. Vzryv. delo no.51/8:391-404 '63. (MIRA 16:6)

1. Gosudarstvennyy institut gornokhimicheskogo syr'ya.
(Underwater explosions)

SHAYMARDANOV, F.A.; DEGTYAREV, A.N.; KOZLOV, V.F.; BANNIKOV, A.I.

Device for inertialess measurement of temperature. Energ. i elektrotekh. prom. no.4:26-28 O-D '63.

(MIRA 17:10)

DEGTYAREV, A.P.

Combined method of soil transport. Stroi.prom.25 no.2:11-13 F'47.
(MLRA 8:12)

1. Glavnyy inzhener tresta "Soyuzekskavatsiya"
(Soil--Transportation)

DEGTIAREV, A. P.

Work experience of excavator operators. Moskva, Gos. izd-vo stroit. Lit-ry, 1948. 45 p. (49-14343)

TA730-D4

DEVYATKO, A. F.

Excavation brigade as an accounting unit, (Redaktor A.L. Apshteyn), Moskva, Gos. izd-vo lit-ry po stroyitel'stvu i arkhitekture, 1951.

DEGTYAREV, A P

N/5
741.51
.D3

Mashinist zemleroyno-transportnykh mashin (The operator of earth-moving machines) Moskva, Gosstroyizdat, 1951.
154 p. Illus., diagrs., tables.

DEMTYAHEV, A.P., inzhener.

Experience in business accounting in excavation brigades.
Biul.strei.tekh. 9 no.2:6-9 Ja '52. (MLRA 9:4)

1.Soyuzekskavatsiya.
(excavation--Accounting)

BUTENOP, V.V.; DEGTYAREV, A.P., redaktor; LANOVSKAYA, M.R., redaktor; TOKER, A.M., tekhnicheskiy redaktor

[Booklet on safety measures for operators of single-scoop steam shovels] Pamiatka po tekhnike bezopasnosti dlai mashinistov odnokovshovykh ekskavatorov. 2. izd. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 27 p. (MLRA 7:8)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva. Otdel tekhniki bezopasnosti i promyshlennoy sanitarii.
(Steam shovels--Safety measures)

DEGTYAREV, A.P.

GAL'PERIN, M.I., inzhener; TORGONENKO, Ye.A., inzhener; DEGTYAREV, A.P., inzhener.

Working frozen ground. Stroi.prom. 32 no.10:14-17 O '54. (MLRA 7:11)
(Earthwork) (Frozen ground)

BUTENOP, V.V., RAKHMANOV, V.A.; DEGTIAREV, A.P.; PROSTOSERDOV, A.P., redaktor izdatel'stva; MEL'NICHENKO, F.P., tekhnicheskiy redaktor

[Safety manual for brigades operating single-bucket excavators] Pamiatka po tekhnike bezopasnosti dlia brigady odnokovshovogo ekskavatora. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1955. 30 p. (MLRA 9:7)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva predpriyatiy metallurgicheskoy i khimicheskoy promyshlennosti.
(Excavating--Safety measures)

DEGTYAREV, A.P.; STANKOVSKIY, A.P., inzhener, redaktor; KRYUGER, Yu.V., redaktor izdatel'stva; MEL'NICHENKO, F.P., tekhnicheskiy redaktor

[Efficient methods in earthwork] Ratsional'nye metody proizvodstva zemlianykh rabot. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 27 p. (MLRA 9:10)
(Earthwork)

DEGTYAREV, A.P., inzhener; REYSH, A.K., inzhener.

A system of maintenance of construction excavators. Mekh.stroi. 13 no.4:18-22 Ap '56. (MLRA 9:7)
(Excavating machinery)