"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCH, Karel, inz., arch.

Multipurpose buildings for light industry. Tech praca 15 no.10:805-808 O '63.

1. Studijni a typizacni ustav, Praha.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCH, Vaclav, Inz. CSc.

Reflection of a shock wave on perforated walls. Stroj cas 16 no.1:25-34 '65.

1. Submitted May 25, 1964.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHAK, Ivan Georgiyevich, polkovnik; PARKIN, P.I., red.

[From the sky into battle] S neba - v boi. Moskva, Voenizdat, 1965. 181 p. (MIRA 18:12)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHAK, M.I. (Kem')

Case of congenital multiple hemangioendothelioma of the liver. (MLRA 6:12)
Arkh. pat., 15 no.5:77 S-O '53.
(Liver--Tumors)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHAK, M.I. (Chernigov)

Surgical treatment of eversion and dislocation of the lower lacrimal punctum. Oft.zhur. 17 no.7:437-439 '62. (MIRA 16:3)

(LACRIMAL ORGANS--SURGERY)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

DANILYAK, M.I. [Danyliak, M.I.]; CHEREVKO, N.G. [Cherevko, N.H.]; STARCHAK, V.G. [Starchak, V.H.]

Effect of the pH of the medium on determining the activity of the "Aspergillus orizae" amylolytic ferments. Khar.prom. no.4:76-78 O-D '62. (MIRA 16:1)

(Fermentation) (Aspergillus)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

L 20981-66 EWT(m)/EWP(t) IJP(c) JD

ACCESSION NR: AP5019653 UR/0369/65/001/003/0293/0298

38
B

AUTHOR: Litvin, A. K.; Starchak, V. G.

TITLE: Distribution of hydrogen in the surface layers of steel during electrolytic saturation

27 18

SOURCE: Fiziko-khimicheskaya mekhanika materialov, v. 1, no. 3, 1965, 293-298

TOPIC TAGS: hydrogen distribution, surface layer, electrolytic saturation, hydrogen saturation, surface steel layer, saturation time, layer microhardness

ABSTRACT: The investigation of the process of diffusion and mechanism of penetration of hydrogen into metal during electrolytic saturation as well as the elucidation of certain features of the mechanism of brittle fracture of hydrogen-saturated steel require data on the nature of the qualitative and quantitative changes in the concentration of hydrogen in the specimen in the process of saturation. The hydrogen is known to concentrate chiefly in a thin surface layer of the metal. In this connection, the authors investigated specimens of 20 steel (0.18% C, 0.47% Mn, 0.17% Si) annealed at 860-870°C and saturated with hydrogen in a 26% H_2SO_4 solution with cathode polarization. The hydrogen distribution in layers of the specimen in relation to saturation time (30-540 min) was investigated in a special setup for the anodic dissolution of the specimens, using an electrolyte composition of 150 g

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L 20981-66

ACCESSION NR: AP5019653

NaCl + 25 g $KNaC_4H_4O_6$ per liter of H_2O, with an anode current density of 30 a/decimeter^2. The concentration of hydrogen during the second stage of saturation (90-540 min) stabilizes in the 5-15 μm deep layer, monotonically increases in the 15-105 μm deep layers, and again stabilizes in the 105-480 μm deep layers. In the layer between 480 and 700 μm the hydrogen content remains virtually fixed and the same as that of the nonsaturated specimens. The mean unit content of hydrogen throughout the layer from 0 to 480 μm during the second stage also somewhat decreases owing to the hydrogen losses in the 5 μm surface layer. Thus, it was established that the maximum concentration of hydrogen in the 5 μm thick surface layer of metal is achieved at the end of the first stage of saturation (60-90 min), whereupon it decreases somewhat with increasing saturation time; at the same time, however, it increases in some of the deeper layers. The nature of the change in hydrogen concentration in the 5 μm thick surface layer corresponds to the change in the microhardness of this layer, within the limits of experimental conditions. Thus, the curve of variation in the microhardness of ferritic grains at the surface of annealed steel 20 reaches its peak at the end of the first stage of saturation with hydrogen, whereupon it decreases. Orig. art. has: 3 figures.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

L 20981-66

ACCESSION NR: AP5019653

ASSOCIATION: Fiziko-mekhanicheskiy institut AN UkrSSR, L'vov (Physicomechanical Institute, AN UkrSSR)

SUBMITTED: 24Feb65 ENCL: 00 SUB CODE: MM, GC

NR REF SOV: 006 OTHER: 002

Card 3/3

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

MAKAROVA, Ariadna Leonidovna, dots, kand. ekon. nauk; STARCHAKOVA, I.I., red.

[Determining marketing costs for commodity groups] Opredelenie izderzhek obrashcheniia po tovarnym gruppam. Moskva, Ekonomika, 1964. 122 p. (MIRA 17:12)

1. Moskovskiy finansoviy institut (for Makarova).

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHAKOVA, Irina Ivanovna; LYUDSKOV, Boris Pavlovich; AYZENSHTEYN, I.M., red.; USTINOV, M.T., red.; BRODSKIY, M.P., tekhn. red.

[New developments in the retail trade during 1960] Novoe v torgovle za 1960 g; sbornik. Leningrad, Gostorgizdat, 1961. 294 p. (MIRA 15:1)

(Retail trade)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHAKOVA, I.I.; LYUDSKOV, B.P.; AYZENSHTEYN, I.M., red.; USTINOV, M.T., red.; GROMOV, A.S., tekhn.red.

[Innovations in the work of trade enterprises] Novoe v rabote torgovykh predpriiatii; sbornik. Moskva, Gostorgizdat, 1962. 335 p. (MIRA 17:2)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

ALEKSANDROV, Mikhail Mikhaylovich; NAZAREVSKIY, Fedor Ivanovich; STRELKOV, Sergey Nikolayevich; STARCHAKOVA, I.I., red.; VOLKOVA, V.G., tekhn. red.

[Accounting in a store] Bukhgalterskii uchet v magazine. Moskva, Gostorgizdat, 1963. 158 p. (MIRA 16:12)
(Stores, Retail--Accounting)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, A.

Main group. Voen.znan. 31 no.11:8 N '55. (MLRA 9:5)

1. Predsedatel' Kaganovichskogo rayonnogo komiteta Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu.
(Military education)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, A.

Caucasus, Northern - Cotton Growing

Prospects for developing irrigated cotton culture in Stavropol'. Khlopkovodstvo no. 10, 1951.

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

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, A.I., gornyy master

Preventing accidents. Bezop. truda v prom. 2 no. 6:4 Je '58. (MIRA 11:7)

1. Shakhta No. 17-17bis tresta Rutchenkovugol'.
(Coal mines and mining--Safety measures)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

45

L 16617-63

S/075/63/018/004/001/015

AUTHOR: Adamovich, L. P., Mirnaya, A. P. and Starchenko, A. V.

TITLE: Synthesis and study of phenohydroxydinaphthofuchsonedicarboxylic acid as an analytical reagent

PERIODICAL: Zhurnal analiticheskoy khimii, v. 18, no. 4, April 1963, 420-424

TEXT: The authors have refined a method for synthesis of the dye phenohydroxydinaphthofuchsonedicarboxylic acid, whose sodium salt is known as "naphthocrom green G". The dye can be used for the photometric determination of beryllium. They study the behavior of an aqueous solution of this dye, in time, and also its optical properties within the pH range 3-13. With use of the optical method, they determine its two acid dissociation constants at ionic strength 0.1 and temperature 20 ± 1°C. The molar extinction coefficients of all its ions have also been determined. There are 2 figures and 2 tables. The one English-language source reads as follows: Aldridge, W., Liddell, H., Analyst, 73, 607 (1948).

ASSOCIATION: (Khar'kov State University im. A.M. Gor'kiy)

Card 1/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, B., inzh. (Moskva)

Radio receiver and hearing aid combination. Radio no.7:28 Jl '65. (MIRA 18:9)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

ZEMLYANSKIY, V.A., kand. tekhn. nauk; GRANIN, Yu.F.; STARCHENKO, B.V.

Circular self-rotating cutters. Mashinostroitel' no.6:35-36 Je '65. (MIRA 18:7)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, D.I., kandidat tekhnicheskikh nauk; GROMOV, N.P., redaktor; [redacted], V.V., tekhnicheskiy redaktor

[Comprehensive groove designing of shaped profiles] Razvernutaia kalibrovka fasonnykh profilei. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1952. 247 p.(MLRA 8:10)
(Rolling mills)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

SOV/137-58-7-14756

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 117 (USSR)

AUTHORS: Starchenko, D.I., Chechnev, A.V.

TITLE: High-reduction Rolling of Symmetrical and Asymmetrical Angles (Prokatka ravnobokikh i neravnobokikh uglovykh profiley s vysokimi obzhatiyami)

PERIODICAL: Sbornik nauchnykh trudov Zhdanovskiy metallurgicheskiy in-t, 1957, Nr 4, pp 101-125

ABSTRACT: A study is made of the nature of metal flow and the stability of Pb billets in rolling (R) with very high reduction to angular shapes. Experiments were run on a laboratory reversing two-high rolling mill with a nominal roll diameter of 125 mm and a peripheral velocity of 26 mm/sec. The roll bodies were 300 mm long. The R of symmetrical angles was performed in 4 open symmetrical angle grooves (G) with straight webs and angles of progressive closure of 20, 32, 40, and 45°, of which the first 3 G are roughing, and the 4th is the leader and the finishing G. Rods of the following dimensions were used: 22x8 - 28x18 mm, diamond-shaped with 24 and 28 mm diagonals and depths of 20 and 23.5 mm, squares of 12 to 18 mm, rounds of

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SOV/137-58-7-14756

High-reduction Rolling of Symmetrical and Asymmetrical Angles

12 and 16 mm diameter, octagonals of 14 and 18 mm diameter. Passes ranged from 12 to 5, and the draft per pass from 1.2 to 3.65. The dimensions of the angles (A) rolled were 19x19x2.5 and 20x20x2.5 mm. Laboratory tests determined that R of equilateral A at very high reduction and a smaller number of passes is quite possible from both square and diamond-shaped bars resting on the diagonal and from round and octagonal bars delivered into the rolls in any position. Analogous experiments were run in the R of nonequilateral A measuring 24x16x2.5 mm. It is established that very high reduction R of nonequilateral A of consistent shape and size from rectangular bars resting on their diagonals may be performed by the employment of closed, developed nonequilateral angular roughing and intermediate G with limitation of spread. The finishing G should logically be oblique, with free spreading of the legs of the piece. Owing to the markedly uneven deformation in height, spread in angle G is not large even at very high drafts and is only 30-40% of the normal spread of square strip of equal size in smooth rolls. To verify the results obtained under laboratory conditions, very high reduction R of equilateral 40x40, 45x45, 50x50, and 65x65 mm A was performed on a 450 merchant mill. The bars were of Nr 3 and 5 steel of 40x40 to 66x66 mm cross section. The R was performed in 1, 2, and 3 passes. It was found that diagonal passes of square bars to the first G

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SOV/137-58-7-14756

High-reduction Rolling of Symmetrical and Asymmetrical Angles

afforded a stable position in the G. The outside angle at the joint of the A legs filled out satisfactorily by this process. Carbon steels of standard qualities possess high ductile properties permitting very high reduction in angle G. No signs of failure were seen even when the reduction ratio per pass was 3.16. In order to ensure good G life and accurracy of the finished shape, R should be done in 3 passes with normal drafts in the finishing pass.

S.G.

1. Metal--Deformation 2. Lead--Processing 3. Lead--Stability 4. Rolling mills --Performance

Card 3/3

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

SOV/137-58-8-16826

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 8, p 85 (USSR)

AUTHORS: Starchenko, D.I., Kapustina, M.I., Gorenshteyn, M.M., Danilov, V.D., Savchenko, A.M., Yefimenko, S.P.

TITLE: Intensifying Breakdown Operations in Rolling Heavy Sheet (Intensifikatsiya rezhimov obzhatiya pri prokatke tolstykh listov)

PERIODICAL: Sb. nauchn. tr. Zhdanovsk. metallurg. in-t, 1957, Nr 4, pp 126-142

ABSTRACT: Experimental rolling (R) and study of existing breakdown schedules (B) for thick sheets of the major sizes, types, and grades of steel on the Nr-1 mill of the im. Il'ich plant make it possible to define the unused power and available energy of the mill during the initial period of R of 8.8x2095 mm and 10.8x2085 mm Nr-3 steel sheets, and also to determine unused biting capacity of the rolls. These factors are used to develop and recommend new, more intensive B schedules, envisaging a considerable increase in B during the first passes, with the present deformation ratios being retained essentially at the end of B. The B of sheets of different types and dimensions was performed in 21-23 passes as against 27-31 passes under the

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SOV/137-58-8-16826

Intensifying Breakdown Operations in Rolling Heavy Sheet

old B schedules, making it possible to reduce the R time for a single ingot and thus to raise the productivity of a three-high Lauth mill by 5-6% on the average.

A.N.

1. Steel--Processing 2. Sheets
3. Rolling mills--Performance

Card 2/2

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STAFCHENKO, D.I., prof.,doktor tekhn.nauk; CHECHNEV, A.V., inzh.; PETIN, A.G., inzh.; SAVCHENKO, A.M., inzh.

Accelerating the process of rolling on the cogging stand of a shape mill. Sbor.nauch.trud.Zhdan.met.inst. no.4:143-152 '57. (Rolling (Metalwork)) (MIRA 11:11)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

SOV/137-58-12-24409

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 12, p 65 (USSR)

AUTHOR: Starchenko, D. I.

TITLE: Forward Slip, Lag, and Spread in Rolling at Normal and Very Heavy Reductions (Operezhenive, otstavaniye i ushireniye pri prokatke s normal'nymi i sverkhvysokimi obzhatiyami)

PERIODICAL: Tr. Mezhvuz. nauchno-tekhn. konferentsii na temu: "Sovrem. dostizh. prokatn. proiz-va", Leningrad, 1958, pp 48-61

ABSTRACT. The derivation of a formula for determining longitudinal and lateral deformation (D) in rolling is provided. The derivation is based on division of the contact A into four zones, namely, one of forward slip, one of lag, and two of spread (S). It is shown that the position of the boundary line dividing the zones of forward slip and spread is defined by the equation $b_y = R\gamma(1 + \gamma/2f)$, and the line separating the S and lag zones is defined by the equation $b_y = R(\alpha + \gamma)[1 - (\alpha + \gamma)/2f]$. The zone angle of separation at the boundary of the zones of forward slip and lag of a broad contact A is defined by the equation $\gamma_{sep} = (\alpha/2) \cdot (1 - \alpha/2f)$. In these equations, f is the coefficient of friction; b_y is the ordinate of the boundary of separation of the S regions from the

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SOV/137-58-12-24409

Forward Slip, Lag, and Spread in Rolling at Normal and Very Heavy Reductions (cont.)

others, R is the roll radius, α is the angle of bite, and γ is the critical angle. The limiting value of the width of a narrow contact area, b_{op} and of the transition to a broad one is defined by the equation $b_{op} > R\alpha(1-\alpha/2f)\cdot[1+(\alpha/4f)(1-\alpha/2f)]$. On the assumption that the true D and unit volumes displaced in the longitudinal and lateral directions are proportional to the true areas of the contact surfaces of the zones of forward slip, lag, and S, equations are derived to define forward slip, lag, and S under conditions of broad and narrow contact areas.

M. Z.

Card 2/2

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, D.I., doktor tekhn.nauk, prof.; KAPUSTINA, M.I., kand.tekhn.nauk, dotsent; GORENSHTEYN, M.M., kand.tekhn.nauk, dotsent; DANILOV, V.D., inzh.; SAVCHENKO, A.M., inzh.; YEFIMENKO, S.P., inzh.

Investigating deformation conditions in plate rolling. Izv. vys. ucheb. zav.; chern.met. no.5:121-129 My '58. (MIRA 11:7)

1.Zhdanovskiy metallurgicheskiy institut.
(Deformations (Mechanics)) (Rolling (Metalwork))

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, D.I., prof., doktor tekhn.nauk

U-shaped grooving of bulb-strip shapes. Izv.vys.ucheb.zav.; chern.met. no.8:97-112 Ag '58. (MIRA 11:11)

1. Zhdanovskiy metallurgicheskiy institut.
(Rolls (Iron mills)) (Steel, Structural)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, D.I., doktor tekhn.nauk, prof.; SAVCHENKO, A.M., inzh.

Investigating plastic deformations produced by rolling by means of a wire strain gauge. Izv.vys.ucheb.zav.; chern. met. 2 no.7:51-57 Jl '59. (MIRA 13:2)

1. Zhdanovskiy metallurgicheskiy institut. Rekomendovano kafedroy obrabotki metallov davleniyem Zhdanovskogo metallurgicheskogo instituta.
(Rolling (Metalwork)) (Strain gauges)

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18.5100

77138
SOV/148-59-9-8/22

AUTHOR: Starchenko, D. I. (Doctor of Technical Sciences, Professor)

TITLE: Roll Pass Design for Equal Legs Angle Steel With High Reductions

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Chernaya metallurgiya, 1959, Nr 9, pp 83-94 (USSR)

ABSTRACT: A method of calculating the basic parameters of angle roll passes and other properties of equal legs angles rolls for high rate of deformation and reduced number of passes. The author offers a mathematical analysis of: (1) the finishing equal legs angle roll pass and the stock fed into it; (2) the semifinishing equal legs angle roll pass and the stock fed into it; (3) a third equal legs angle roll pass and the stock fed into it; (4) a square stock roll pass with a spread allowance. He derives 32 equations and describes the test rolling of equal legs angles. The method of designing the roll passes for reduced number of passes and high reduction

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

Roll Pass Design for Equal Legs Angle Steel With High Reductions

77138
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was first tested under the laboratory conditions on the rolling mill 300 (rolling the lead samples) and then on the rolling mill 450 at the Zhdanov Metallurgical and Machine Building Plant imeni Il'yicha (Zhdanovskiy metallurgicheskiy i mashinostroitel'nyy zavod imeni Il'yicha). The 300 mill was used for rolling 40 x 40 x 4.5 mm angles in 3 passes from a regular 38 x 38 mm square stock. The reduction ratio in the receiving pass was 1.695; in semifinishing pass --1.936 and in the finishing pass--1.278; the average reduction ratio for 3 passes was 1.614 (see Fig. 6). The 450 mill was used for rolling the equal legs angle steel of 3 dimensions: 60 x 60; 65 x 65; and 80 x 80 mm. The equal legs angles 60 x 60 were made in 3 angle passes from square stock with spreading with the following reduction ratios: in the receiving pass--2.108; in the semifinishing--1.805 and in the finishing pass--1.250. An average reduction ratio in 3 passes is 1.68. The equal legs angles 65 x 65 mm were made also in 3 passes (see Fig. 9). The equal legs angle steel 80 x 80 mm by the conditions of the bite

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Roll Pass Design for Equal Legs Angle Steel With High Reductions

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SOV/148-59-9-8/22

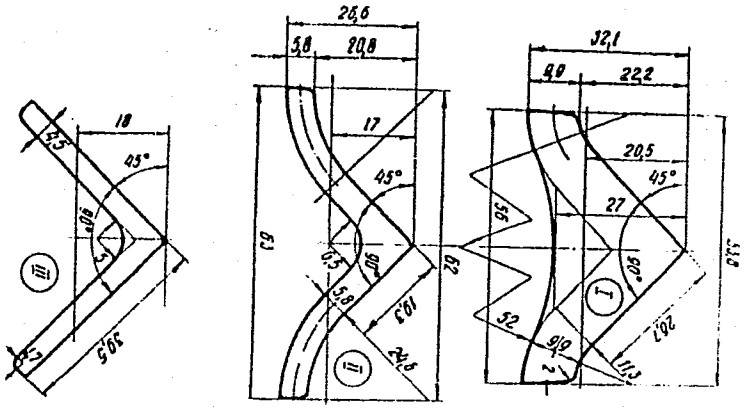

Fig. 6. A roll pass design for the equal legs angle 40 x 40 x 4.5 mm with reduced number of passes and high reduction (with semiopen receiving angle pass).

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Roll Pass Design for Equal Legs Angle Steel With High Reductions

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SOV/148-59-9-8/22

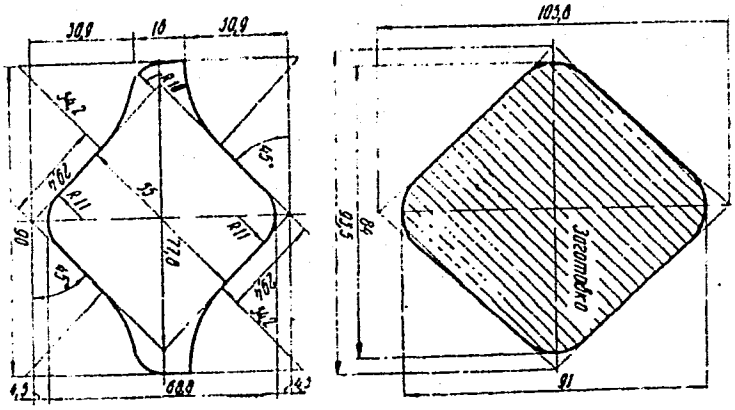

Fig. 8. A square closed pass with spreading (and the stock fed into it) for rolling the equal legs angle steel in 3 passes.

Card 4/6

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

Roll Pass Design for Equal Legs Angle Steel With High Reductions

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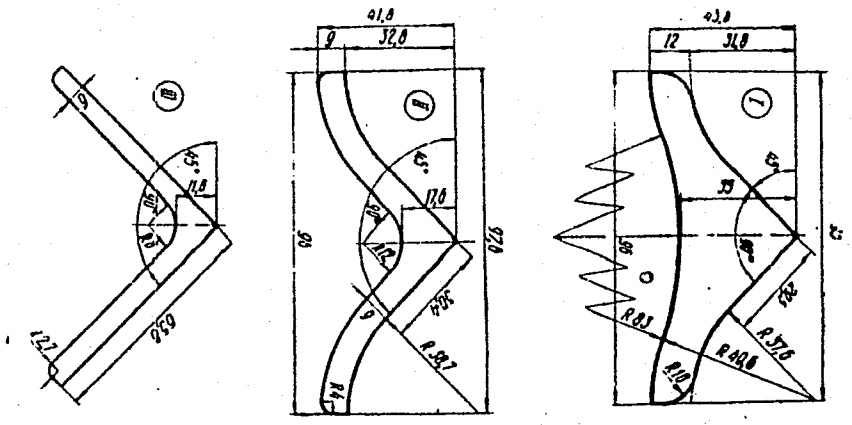

Fig. 9. A roll pass design for equal legs angle 65 x 65 mm with reduced number of passes and high reduction.

Card 5/6

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Roll Pass Design for Equal Legs Angle Steel With High Reductions

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SOV/148-59-9-8/22

angle on 450 mill could be rolled in 4 passes, but due to the finishing conditions, were actually rolled in 5 passes. Altogether 2,275 tons of angle steel were rolled. The results of all alternate rolling of equal legs angle shapes with reduced number of passes were fully satisfactory regarding the stability of the diagonal square rolling in the receiving pass, filling of passes by metal and also regarding the dimensional stability of angles equal to those which were rolled with the regular reduction ratio in 6, 7, or more passes. There are 10 figures; 2 tables; and 4 Soviet references.

ASSOCIATION: Zhdanov Metallurgical Institute (Zhdanovskiy metallurgicheskiy institut)

SUBMITTED: June 15, 1959

Card 6/6

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

20011

1.1300 1045 1454 1496

S/137/61/000/002/007/046
A006/A001

Translation from: Referativnyy zhurnal, Metallurgiya, 1961, No. 2, pp. 1-2, # 2D6

AUTHOR: Starchenko, D.I.

TITLE: Theoretical Determination of Boundaries of Slip and Adherence Zones in Rolling Process

PERIODICAL: "Sb. nauchn.tr.Zhdanovsk. metallurg. in-t", 1960, No. 5, pp.123-134

TEXT: Metal flow in the deformation seat during rolling is analyzed from the point of view of the least resistance law. Accordingly, the deformation seat is distributed over the zones of advance, lag, and two lateral zones of widening. During adherence, the basic metal mass is displaced not in respect to the rolls but over the surface-adhered layer; this does not change the general conditions of the process. The correlation of zones is discussed for 2 cases of rolling: i.e. for the case of a narrow and a wide deformation seat. Relations are derived which determine the location of boundaries between the zones for both cases of rolling. A precise definition is given of characteristic angle γ. Ya.Sh.

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

Card 1/1

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

S/137/60/000/011/007/043
A006/A001

Translation from: Referativnyy zhurnal, Metallurgiya, 1960, No.11, p.114, # 26108

AUTHOR: Starchenko, D.I.

TITLE: Theoretical Investigation of the Forward and Backward Zone During Rolling With Normal and Superhigh Pressures

PERIODICAL: Sb. nauchn. tr. Zhdanovsk. metallurg. in-t, 1960, No. 5, pp. 135-155

TEXT: The author reports on a theoretical investigation of correlations and dependences between the forward and backward zone, stretching, and widening during rolling of rectangular stock with smooth rolls, in a wide range of rolling conditions. The mathematical expressions of these concepts, as true longitudinal deformations, are given in the logarithmic form.

B.Sh.

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

Card 1/1

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

S/137/60/000/010/014/040
A006/A001

Translation from: Referativnyy zhurnal, Metallurgiya, 1960, No. 10, p. 119, # 23371

AUTHOR: Starchenko, D.I. [redacted]

TITLE: Efficient Principles of the Grooving of Strip Bulb Steel

PERIODICAL: Sn. nauchn. tr. Zhdanovsk. metallurg. in-t, 1960, No. 5, pp. 189-199

TEXT: The author presents basic principles and peculiarities of a new method of trough-shaped grooving of strip-bulb sections, tested during 3 - 4 years of operation.

T.K.

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

Card 1/1

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

S/124/63/000/003/052/065
D234/D308

AUTHORS: Starchenko, D. I. and Savchenko, A. M.

TITLE: Investigation of extra-contact of deformation zones during rolling

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 3, 1963, 32, abstract 3V218 (Sb. nauchn. tr. Zhdanovsk. metallurg. in-t, 1962, no. 8, 5-19)

TEXT: Boundaries of extra-contact zones of elastic-plastic deformation under different conditions of rolling have been established experimentally with the aid of wire transducers. The stresses in a strip of a very plastic metal on the side of emergence cross-section do not exceed the yield limit. At the same time, the extra-contact zones on the side of entrance plane of the focus have a complicated character, and the stresses there reach the yield limit. The increase of strength of the rolled metal, decrease of the friction coefficient in the contact of metal with rolls and the decrease of flattening-out width reduce the length

Card 1/2

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of the extra-contact zone. The stressed state of the metal within the limits of extra-contact zones is nearly plane. The magnitude of longitudinal deformation registered by the transducers can be used in constructing the diagrams of longitudinal velocities of metal particles in any cross-section plane of the strip within the extra-contact zone. In the present experiments the difference with longitudinal velocities of particles at the entrance plane of the focus reached 1%. /Abstracter's note: Complete translation./

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

S/136/63/000/002/004/006
E193/E383

AUTHORS: Starchenko, D.I. and Kuz'min, V.I.

TITLE: A study of the effect of speed on some parameters of rolling aluminium and copper

PERIODICAL: Tsvetnyye metally, no. 2, 1963, 62 - 67

TEXT: The authors studied the effect of the rolling speed in the 4.55-30.1 m/s range on elongation, forward slip, friction coefficient and roll-pressure in cold-rolling (dry and with kerosene used as a lubricant) of copper and aluminium. The experiments were conducted on a two-high stand with polished steel rolls, 290 mm in diameter and 500 mm long. The aluminium and copper specimens measured, respectively, 3.9 x 200 x (700-1200) mm and 5.9 x 60 x 700 mm. All the results are reproduced graphically. Thus, in Fig. 1, the elongation $\mu = \ell/L$ (where L is the initial and ℓ the final length of the specimen) of aluminium strip is plotted against the peripheral velocity of the rolls (m/s), curves 1-6 relating to dry rolling with reduction per pass equal to 0.42, 0.75, 0.85, 1.23, 1.33 and 1.97 mm, respectively, and curves 7-12 representing results obtained with a lubricant, the

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corresponding reductions per pass being 0.27, 0.43, 0.71, 0.89, 1.26 and 1.58 mm. The coefficient of forward slip was defined as:

$$s = \frac{\ell_{\Pi} - \ell_B}{\ell_B}$$

where ℓ_B is the distance between two longitudinal (parallel to the roll axis) scratches on the roll surface and ℓ_{Π} is the distance between impressions made by these scratches on the rolled material. In Fig. 3, s(%) in rolling aluminium is plotted against the peripheral velocity of the rolls (m/s), curves 1-6 relating to dry rolling and values of μ equalling 1.12, 1.24, 1.28, 1.46, 1.51 and 2, curves 7, 9, 11, 12 relating to wet rolling and values of μ equalling 1.07, 1.23, 1.5 and 1.7. Finally, in Fig. 5, the average roll pressure (p, kg/mm^2) in rolling aluminium is plotted against the peripheral velocity (m/s) of the rolls, curves 1-6 relating to dry rolling and values of μ equalling 1.11, 1.24, 1.28, 1.46, 1.52 and 2, curves 7-12 relating to wet rolling and values of μ equalling 1.06, 1.18, 1.21, 1.29, 1.46 and 1.63. It was concluded

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

A study of the effect S/136/63/000/002/004/006
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that, on increasing the roll speed to a sufficiently large degree, all the parameters studied changed in a favourable direction. This meant that by increasing the roll speed the production of the plant was increased with a corresponding decrease in the power consumption. There are 6 figures and 1 table.

Card 3/3

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, D.I., prof., doktor tekhn.nauk; VLASOV, T.F., inzh.; RAKHLIN, TS.M., inzh.; PETIN, A.G., inzh.; ZUBRIY, I.A., inzh.; BOGDANOV, A.K., inzh.

Mastering the rolling of an economical tee bulb bar on a 450 mill. Stal' 23 no.12:1108-1109 D '63. (MIRA 17:2)

1. Zhdanovskiy metallurgicheskiy institut i Zhdanovskiy zavod tyazhelogo mashinostroyeniya.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, [illegible] L.; VLASOV, T. F.

Experimental investigation of force and energy conditions of rolling in flat, T-bar shaping grooves. Izv. vys. ucheb. zav. chern. met 7 no.6 81-87 '64. (MIRA 17:7)

1. Dnepropetrovskiy metallurgicheskiy institut.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

L 35595-65 EPR/EWP(k)/EWA(c)/EWT(m)/EWP(b)/T/EWA(d)/EWP(w)/EWP(t) Pf-4/Ps-4/Pad
IJP(c) JD/HW

ACCESSION NR: AR5005855 S/0137/64/000/011/D006/D006

37

SOURCE: Ref. zh. Metallurgiya, Abs. 11D35 B+1

AUTHOR: Starchenko, D. I.; Kuz'min, V. I.

TITLE: Mechanical properties of some nonferrous metals after high speed cold rolling

CITED SOURCE: Sb. nauchn. tr. Zhdanovsk. metallurg. in-t, vyp. 12, 1964, 40-43

TOPIC TAGS: aluminum, copper, nickel, zinc, metal mechanical property, cold rolling, metal deformation, external friction, nonferrous metal working

TRANSLATION: The nature of the hardening of aluminum, copper, nickel, and zinc during high speed cold rolling was studied as a function of the degree of deformation and of the conditions of external friction during change in the rotational speed of the rollers in steps of 4.55, 9.55, 15.7, and 30.1 m/sec. The test samples were strips 50-100 mm wide and 1.4-3 mm thick, cut in the direction of

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rolling from the corresponding cold rolled metals. Rolling speed in the range from 4.5 to 30 m/sec and the conditions of external friction exhibited no appreciable effect on the basic mechanical properties of aluminum, copper, nickel, and zinc: time resistance, conventional $sigma_s$ and delta. The degree of hardening was determined by the degree of plastic deformation and by its character in relation to the degree of reduction; for each metal investigated, it remained the same as for cold rolling with small rotational speeds. V. Fomenko

SUB CODE: MM ENCL: 00

Card 2/2

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, D.I.; VLASOV, T.F.

Determination of drawing and spreading during rolling with flat T roll passes. Izv. vys. ucheb.zav.; chern. met. 7 no.12:100-105 '64 (MIRA 18:1)

1. Zhdanovskiy metallurgicheskiy institut.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, G. I.

USSR/Engineering-By-pass valves

Card : 1/1

Authors : Starchenko, G. I.

Title : Structural variations in by-pass devices of hydraulic systems

Periodical : Vest. Mash. 34/5, 36 - 37, May 1954

Abstract : Three methods of limiting the length of the stroke of the plunger in hydraulic cylinders of the type used on jacks are described, namely: with the aid of a by-pass valve, by means of a by-pass opening in the upper part of the cylinder and by a by-pass slot along the generatrix of the cylinder, also in the upper part. Of these three the last is found to be superior because the cup of the plunger is not damaged in passing over the outlet. Drawings.

Institution : ....

Submitted : ....

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

L 46673-66 EWP(m)/EWT(1)/EEC(k)-2/EWP(k)/T IJP(c) RTW/WG/WW

ACC NR: AP6020720 SOURCE CODE: UR/0421/66/000/003/0020/0023

AUTHOR: Artamonov, A. K (Moscow); Arkhipov, V. N. (Moscow); Starchenko, G. Ye. (Moscow)

ORG: none

TITLE: Relaxation and radiation behind a direct shock discontinuity

SOURCE: AN SSSR. Izvestiya. Mekhanika zhidkosti i gaza, no. 3, 1966, 20-23

TOPIC TAGS: shock wave analysis, shock wave physics, air flow, nitrogen, light radiation, gas relaxation

ABSTRACT: The problem is formulated as follows: An equilibrium supersonic air stream is incident on a stationary direct shock discontinuity. The translational and rotational energies behind the shock waves are at their equilibrium values, and the processes of vibrational and electronic excitation, dissociation, and ionization (assumed to be single) are not in equilibrium. The electron and heavy-particle temperatures are assumed equal. Radiation due to $N_2 \rightleftharpoons N_2^+$ transitions are taken into account, and other secondary processes are neglected. The chemical reactions taken into account are listed. Vibrational relaxation of O_2 and N_2 is taken into account. Calculations based on the equations of motion of the mixture and various rate constants taken from other papers yield plots of the distribution of various parameters (density, temperature, electron mass fraction, excited- and unexcited-component mass fractions, radiant-energy distribution) for air and for nitrogen. The results agree well with experimental data on the summary radiant fluxes from the nonequilibrium zone.

Card 1/2

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ACC NR: AP6020720

behind the shock wave. The authors thank L. S. Krivonos for help. Orig. art. has: 6 figures, 6 formulas, and 1 table.

SUB CODE: 20/ SUBM DATE: 10Jul65/ ORIG REF: 003/ OTH REF: 013

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, I. I.

Pine

Cultivating pine of varied geographical origin at the Kazan forest station. Les khoz. no. 5, 1952.

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

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, I. I.

Oak

Peculiarities of vegetation and fruiting of the "cherry" oak in dense forests near the Volga. Les khoz. 5 no. 7, 1952.

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

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

1. STARCHENKO, I. I.

2. USSR (600)

4. Broom (Shrub)

7. Introducing broom (Cytisus) into silviculture. Les. khoz. 6, no. 2, 1953.

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

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, I. I.

Starchenko, I. I. - "A Drum Dryer in the Production of Flaky Hide Glue in the USSR (Design, Investigation, and Application)." Min Higher Education Ukrainian SSR. Khar'kov Polytechnic Inst imeni V. I. Lenin. Khar'kov, 1955 (Dissertation for the Degree of Candidate in Technical Sciences).

So: Knizhnaya Letopis', No. 10, 1956, pp 116-127

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, I.I.

Seasonal characteristics of the germination energy of tree and shrub seeds. Bot.zhur. 41 no.9:1355-1359 S '56. (MLRA 9:11)

1. Donetskaya ovrazhnaya lesnaya opytnaya stantsiya, g.Voroshilovgrad.
(Trees) (Germination)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

K

Country : USSR
Category: Forestry. Forest Cultures.

Abs Jour: RZhBiol., No 11, 1958, No 48771

Author : Starchenko, I.I.
Inst : -
Title : Sorting Pine Cones, An Important Operation.

Orig Pub: Lesn. kh-vo, 1957, No 12, 43-46

Abstract: No abstract.

Card : 1/1

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, I.I.

Calculating the width of erosion-preventing forest stands. Pochvovedenie no.7:110-111 '60. (MIRA 13:7)
(Soil conservation) (Afforestation)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, I. I.

Mariupol' Arboretum. Biul. Glav. bot. sada no.47:22-26 '62. (MIRA 16:1)

1. Mariupol'skaya agrolesomelioratively naya opytnaya stantsiya pos. Ol'ginka.

(Zhdanov region—Arboretums)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, I.I.

Sorbus intermedia (Fhrh.) Pers. in silviculture and landscape gardening. Biul. Glav. bot. sada no.56:31-34 '64. (MIRA 18:5)

1. Mariupol'skaya agrolesomeliorativnaya opytnaya stantsiya.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, I.I.

Early fruiting of the common spruce. Bot. zhur. 49 no.1:132-133 Ja '64. (MIRA 17:2)

1. Mariupol'skaya agrolesomeliorativnaya stantsiya, Donetskaya oblast', Volnovakhskiy rayon pochtovoye otdeleniye Ol'ginka.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STATSENKO, G.P.; STARCHAKOVA, I.I., red.

[Industrial hygiene and safety measures in trade] Okhrana truda i tekhnika bezopasnosti v torgovle; sbornik materialov. Izd.3., dop. Moskva, Ekonomika, 1965. 458 p. (MIRA 18:7)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

L 43848-65 EWT(1)/EWT(m)/EWA(d)/T/EWP(t)/EEC(b)-2/EWP(z)/EWP(b) Pl-4
IJP(c) JD/GG UR/0286/65/000/007/0079/0079

ACCESSION NR: AP5010893

26
B

AUTHORS: Simkhovich, I. S.; Starchenko, I. P.

21

TITLE: A device for obtaining magnets with directional crystallization. Class 21, No. 169705

14

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 79

TOPIC TAGS: magnet, metal crystallization

ABSTRACT: This Author Certificate presents a device for obtaining magnets with directional crystallization (see Fig. 1 on the Enclosure). The device consists of a previously heated refractory mold. After pouring the metal into the mold, the latter is placed on a cooling plate outside the furnace. To obtain a directional structure throughout the entire section of a casting at a low heating temperature of the mold and to increase the productivity, the working cavity of the mold is divided into compartments by the largest possible number of baffles. Separate magnets are produced in these compartments. Orig. art. has: 1 figure.

ASSOCIATION: none

Card 1/2

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

L 43848-65

ACCESSION NR: AP5010893

SUBMITTED: 06May63 ENCL: 01 SUB CODE: IE, MM

NO REF SOV: 000 OTHER: 000

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

16(1)

AUTHOR: Starchenko, L.P. SOV/38-22-6-2/6

TITLE: On the Construction of Sequences Which are Compatibly Normal With the Given Sequence (O postroyenii posledovatel'nostey, sovmestno normal'nykh s dannoy)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya matematicheskaya, 1958, Vol 22, Nr 6, pp 757 - 770 (USSR)

ABSTRACT: Let l sequences

$$(1) \quad \left\{ \varepsilon_i^{(k)} \right\}, \; k = 1,2,\ldots l, \; i = 1,2, \ldots ,$$

be given, whereby the elements ε consist of the signs $0,1,2,\ldots, g_k - 1$. Let s and P be positive integers. Let the following sequence of matrices be constructed :

$$(2) \quad \begin{pmatrix} \varepsilon_1^{(1)} & \varepsilon_2^{(1)} \ldots \varepsilon_s^{(1)} \\ \varepsilon_1^{(2)} & \varepsilon_2^{(2)} \ldots \varepsilon_s^{(2)} \\ \vdots & \vdots \\ \varepsilon_1^{(l)} & \varepsilon_2^{(l)} \ldots \varepsilon_s^{(l)} \end{pmatrix} \begin{pmatrix} \varepsilon_2^{(1)} \varepsilon_3^{(1)} \ldots \varepsilon_{s+1}^{(1)} \\ \varepsilon_2^{(2)} \varepsilon_3^{(2)} \ldots \varepsilon_{s+1}^{(2)} \\ \vdots \\ \varepsilon_2^{(l)} \varepsilon_3^{(l)} \ldots \varepsilon_{s+1}^{(l)} \end{pmatrix} \ldots \begin{pmatrix} \varepsilon_p^{(1)} \varepsilon_{p+1}^{(1)} \ldots \varepsilon_{p+s-1}^{(1)} \\ \varepsilon_p^{(2)} \varepsilon_{p+1}^{(2)} \ldots \varepsilon_{p+s-1}^{(2)} \\ \vdots \\ \varepsilon_p^{(l)} \varepsilon_{p+1}^{(l)} \ldots \varepsilon_{p+s-1}^{(l)} \end{pmatrix}$$

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Furthermore let an arbitrary matrix

$$(3) \qquad \Delta_s = \begin{pmatrix} \delta_1^{(1)} & \delta_2^{(1)} & \dots & \delta_s^{(1)} \\ \cdot & \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot \\ \delta_1^{(l)} & \delta_2^{(l)} & \dots & \delta_s^{(l)} \end{pmatrix}$$

be given, whereby $\delta_i^{(k)}$ are formed by the signs $0,1,2,\dots,g_k-1$. Let $N_p(\Delta_s)$ denote the number of the matrices Δ_s occurring in (2). (1) is called compatibly normal, if for every s and every Δ_s it holds :

$$(4) \qquad \lim_{p\to\infty} \frac{N_p(\Delta_s)}{p} = \frac{1}{(g_1 g_2 \cdots g_l)^s}$$

(see Korobov [Ref 4] where this notion was introduced in a somewhat other way). Criterion : A constant c is assumed to exist for (1) so that for every s and every matrix Δ_s it holds :

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On the Construction of Sequences Which are Compatibly Normal With the Given Sequence SOV/38-22-6-2/6

$$\overline{\lim_{p\to\infty}} \frac{Np(\bar{\Delta}_s)}{p} < \frac{c}{(g_1 \cdots g_l)^s}$$

Then (1) is compatibly normal. In § 1 there are given infinitely many sequences for a given sequence so that the total system is compatibly normal. § 2 confirms a conjecture of Korobov [Ref 1] : Theorem : The sequence of real numbers $\alpha_1, \alpha_2, \alpha_3, \ldots,$ where $\alpha_j = 0, \varepsilon_j \varepsilon_j^{(1)} \varepsilon_j^{(2)} \ldots$ $\left(\alpha_j = \frac{\varepsilon_j}{g} + \frac{\varepsilon_j^{(1)}}{g^2} + \frac{\varepsilon_j^{(2)}}{g^3} + \ldots\right)$ is a completely uniformly distributed sequence in the sense of Korobov [Ref 1] (here it is assumed that the sequences $\{\varepsilon_j\}, \{\varepsilon_j^{(1)}\}, \{\varepsilon_j^{(2)}\} \ldots$ form a compatibly

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On the Construction of Sequences Which are Compatibly Normal With the Given Sequence SOV/38-22-6-2/6

normal system). In § 3 and § 4 the author constructs a system of compatibly completely uniformly distributed sequences. There are 6 references, 5 of which are Soviet, and 1 German.

PRESENTED: by I.M. Vinogradov, Academician

SUBMITTED: December 9, 1957

Card 4/4

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

16(1)

AUTHOR: Starchenko, L.P. SOV/38-23-4-8/8

TITLE: Correction to the Note of L.P. Starchenko "On the Construction of Sequences Being Normal to a Given Sequence" (Izvestiya Akademii nauk SSSR, 1958, Vol 22, pp 757-770)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya matematicheskaya, 1959, Vol 23, Nr 4, pp 635-636 (USSR)

ABSTRACT: The author revokes § 3 and § 4 of the above paper as being wrong ; he strongly corrects § 1 and § 2. The author thanks Yu.N. Shakhov who called his attention to the errors.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

16(1) SOV/20-129-3-12/70

AUTHOR: Starchenko. L.P.

TITLE: The Construction of a Quite Uniformly Distributed Sequence

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 129, Nr 3, pp 519-521 (USSR)

ABSTRACT: Let p_r be the r-th prime number. Let

$$n_k = \left[e^{(\ln k)^3} \right] + 1, \qquad k=1,2,\ldots$$

Theorem: The sequence

$$\{\ln 2\}, \{2 \ln 2\}, \ldots, \{n_1 \ln 2\}, \{\ln 2\}$$
$$\{\ln 3\}, \ldots, \{n_2 \ln 2\},$$

$$\{n_2 \ln 3\}, \ldots\ldots, \{\ln 2\}, \ldots\ldots, \{\ln p_r\} \ldots\ldots,$$
$$\ldots\ldots, \{n_r \ln 2\}, \ldots\ldots, \{n_r \ln p_r\}, \ldots\ldots,$$

is quite uniformly distributed in the sense of N.M.Korobov [Ref 1].

The author thanks N.I.Fel'dman and I.M.Sobol' for consultations.

Card 1/2

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

[illegible] G.I.

[illegible] of mycotic abortions. Veterinariia 41 no.12:61 D '64.
(MIRA 18:9)

1. Ul'yanovskaya oblastnaya veterinarnaya laboratoriya.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

USSR / Pharmacology, Toxicology, Analgesics. V

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 94189

Authors : Minin, N. I.; Starchenko, N. N.
Inst : Moscow Medical Institute

Title : Scophedal (Scopolamine - Eikodal - Ephetonin) as Basic Narcosis in the Surgical Clinic.

Orig Pub : Tr. 1-go Mosk. med. in-ta, 1957, 3, 119-124.

Abstract : Combined hypodermic anaesthetization (1 ml of scophedal (I), three minutes before the operation under local anaesthesia) was applied to 50 patients during different operations. From 10 - 20 minutes after the injection of I in the majority of patients this resulted in a state of general quiescence, a feeling of fatigue, indifferent attitude towards the surroundings, dizziness, dryness in the mouth, and a drowsy

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MININ, N.I.; STARCHENKO, N.N.

Intravenous use of scopolamine-morphine-caffeine mixture as the principal anesthetic. Trudy 1-go MMI 3:125-128 '57. (MIRA 14:5)

(ANESTHETICS)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

STARCHENKO, S.I.

Simple manure loader. Mekh. sil'. hos. 9 no.4:32-3 of cover Ap '58. (MIRA 11:5)

1.Golovniy inzhener radgospu "Gornyak" No.1 Stalinskoi oblasti.
(Loading and unloading)

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L 29543-66 EWT(d)/EWT(m)/EWP(f)/T-2 WW

ACC NR: AP6012274 SOURCE CODE: UR/0114/65/000/011/0044/0046

AUTHOR: Starchenko, S. I. (Engineer)

ORG: none

TITLE: A method for calculating variable turbine conditions

SOURCE: Energomashinostroyeniye, no. 11, 1965, 44-46

TOPIC TAGS: gas turbine, dimension analysis, gas dynamics

ABSTRACT: Dimensional analysis is used for calculating varying operating conditions in a gas turbine. Polytropic gas expansion is considered as well as the actual change in specific volumes and loss factors in the turbine. The proposed method may be used for determining changes in conditions with wide variations in the Mach number. The computation is done in gas dynamic functions assuming that two dimensionless numbers are constant. Heat exchange is disregarded together with variation in the adiabatic exponent and the Reynolds number. A system of four equations is derived and the use of this system for calculating variable conditions in a turbine with given geometry is discussed. The method is used for calculating several sets

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ACC NR: AP6012274

of conditions for a turbine with given parameters and the results are tabulated. Orig. art. has: 1 table, 4 formulas.

SUB CODE: 21,13/ SUBM DATE: 00/ ORIG REF: 003/ OTH REF: 000

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STARCHENKO, S.M.

LEYNIK, Mikhail Vladimirovich, prof.; STARCHENKO, S.M. [translator]; TRAKHTENBERG, I.M., red.; LOKHMATIY, Yu.G., tekhn.red.

[Problems in physiology of labor in socialist agriculture] Pytannia fiziologii v sotsialistychnomu sil's'komu hospodarstvi. Kyiv, Derzh. med.vyd-vo URSR, 1957. 92 p. (MIRA 11:3)
(AGRICULTURAL LABORERS--DISEASES AND HYGIENE)
(WORK)

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GRANDO, Aleksandr Abramovich [Hrando, O.A.]; MEZHIROV, Leonid Semenovich[Mezhyrov, L.S.]; STARCHENKO, S.M., red.

[History of hygiene and sanitation in the Ukraine; bibliographical index] Istoriia higiieny ta sanitarii na Ukraini; bibliografichnyi pokazhchyk. Kyiv, Vyd-vo "Zdorov'ia," 1964. 123 p. (MIRA 17:12)

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KRINITSKIY, Aleksey Fedorovich,; STARCHENKO, S.N.,red.; GITSHTEYN, A.D., tekhn. red.

[Computation and reference tables for biochemical and clinical laboratories] Raschetny i spravochnye tablitsy dlia biokhimicheskikh i klinicheskikh laboratorii. Kiev, Gos. med. izd-vo USSR, 1958. 65 p. (MIRA 11:12)

(BIOCHEMISTRY--TABLES,ETC.)

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ARUTYUNOV, Aleksandr Ivanovich, zasl. deyatel' nauki, prof.; RUDYAK, Konstantin Ezrovich; ROMODANOV, A.P., red.; STARCHENKO, S.N., red.

[Tumors of the brain and the spinal cord; bibliography of Russian literature, 1917-1961] Opukholi golovnogo i spinnogo mozga; bibliografiia otechestvennoi literatury 1917-1961 gg. Kiev, Gosmedizdat USSR, 1963. 408 p. (MIRA 17:6)

1. Chlen-korrespondent AMN SSSR (for Arutyunov).

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STARCHENKO, V, inzh.; MATSYNIN, V., inzh.; KOZLOV, Yu., inzh.

Improving designs of welding machines. Stroitel' no.7:11 Jl '58. (MIRA 11:9)

(Electric welding--Equipment and supplies)

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STARCHENKO, V. F

STARCHENKO, V.F., golovnyy red.; KANEVS'KIY, O.P., red.; RUDNITS'KIY, P.V. red.; LUTSENKO, F.G., red.; BILOZUB, V.G., red.; PAVLENKO, M.K., red.; SVISTEL'NIK, A.N., red.; KHOTENKO, M.P., red.; ZADONTSEV, A.P., red.; POPOV, F.A., red.; DANILYUK, O.T., red.; TRITINCHENKO, A.P., red.; AKS'ONOV, G.G., tekhn.red.

[Agricultural manual for administrative personnel of province and district organizations, directors of machine-tractor stations, chairmen of collective farms and agricultural specialists] Posibnik po sel's'komu hospodarstvu dlia kerivnykh pratsivnykiv oblasnykh i raionnykh organizatsiy, dyrektoriv MTS, holiv kolhospiv i fakhivtsiv sil's'koho hospodarstva. Skladenyi za red.: V.F.Starchenka [and others] Holovnyi red.V.F.Starchenko. Kyiv, Derzh.vyd-vo sil's'kohospodars'koi lit-ry URSR. Book 1. 1946. 1269 p. (MIRA 11:1)

1. Chlen-korrespondent akademii nauk URSR (for Starchenko).
(Agriculture)

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STARCHENKO, Ye.A., zasluzhennyy veterinarnyy vrach Moldavskoy SSR

In the rear of the enemy. Veterinariia 42 no.5:25-28 My '65. (MIRA 18:6)

1. Moldavskaya respublikanskaya veterinarnaya laboratoriya, Kishinev.

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GOPANENKO, V.M.; GOLOSHCHAPOV, I.A.; STARCHENKOV, V.M.; KOZHUKHOVSKIY, A.; BELOV, V.V., veterin.vrach

Intraperitonial injection of the solution of drug mixtures into calves during dyspepsia. Veterinariia 41 no.3:56-59 Mr '64.

1. Glavnyy veterinarnyy vrach sovkhoza "Vpered", Moskovskaya obl. (for Gopanenko). 2. Glavnyy veterinarnyy vrach Yefremovskogo proizvodstvennogo upravleniya Tul'skoy oblasti (for Goloshchapov). 3. Zaveduyushchiy veterinarnoy laboratoriyey Yefremovskogo proizvodstvennogo upravleniya Tul'skoy oblasti (for Starchenkov). 4. Glavnyy zootekhnik Yefremovskogo proizvodstvennogo upravleniya Tul'skoy oblasti (for Kozhukhovskiy). 5. Sovkhoz "Tucha", Minskaya oblast' (for Belov).

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[illegible]

[illegible] [illegible]
[illegible] [illegible]

1. Glavnyy veterinarnyy vrach Yefremovskogo proizvodstvennogo upravleniya Tul'skoy oblasti (for Golosh[illegible]). 2. Zavedyshchiy veterinarnoy laboratoriyey Yefremovskogo proizvodstvennogo upravleniya Tul'skoy oblasti (for Starchenkov).

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1. BERNADSKIY, I. F.; SUSHKOV, V. T.; BESPECHANSKIY, K. S.; STARCHENKO, V. S. NOTKIN, B. A.; VVEDENSKIY, V. V.; BESHCINSKIY, L. I.

2. USSR (600)

4. Gas and Oil Engines - Testing

7. Stand for testing internal combustion engine with an asynchronous machine. Prom. energ. 9 no. 10, 1952

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

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STARCHENKOV, V. V. and KOZERENKO, V. I.

"Metallogeny of Central and Eastern Zabaykal'ye"

report presented at the First All-Union Conference on the Geology and Metallurgy of the Pacific Ocean Ore Belt, Vladivostok, 2 October 1960

So: Geologiya Rudnykh Mestorozhdeniy, No. 1, 1961, pages 119-127

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MANORIK, A.V. [Manoryk, A.V.]; KRIKUNETS, V.M. [Krykunets', V.M.]; STARCHENKOV, Ye.P. [Starchenkov, IU.P.]

Atmospheric nitrogen binding with enzyme-containing lupine proteins in vitro. Dop. AN URSR no.8:1096-1098 '65.

(MIRA 18:8)

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STARCHEUS, A.P.

Diethyltoluamide for the protection of animals from blood-sucking insects. Veterinariia 40 no.6:78-79 Je '63. (MIRA 17:1)

1. Novosibirskaya nauchno-issledovatel'skaya veterinarnaya stantsiya.

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STARCHENKO, A.V.

Inhibition of type 1 adenovirus reproduction in tissue culture by 6-azauridine and 6-azacytidine. Dop. AN URSR no.9:1219-1221 '65. (MIRA 18:9)

1. Institut mikrobiologii i virusologii AN UkrSSR.

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PETROSYAN, Ye.A.; VAGNER-SAKHAROVA, M.P.; STARCHEUS, A.V.; VARGINA, A.K.

Production of sorbed diphtheria and tetanus anatoxin. Nauch. osn. proizv. bakt. prep. 10:107-117 '61. (MIRA 18:7)

1. Moskovskiy institut vaktsin i syvorotok im. Mechnikova.

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STARCHEVA, V.M.; KONYUSHENKO, P.I.

New developments in the processing of poultry. Khar.prom. no.3:29-30 Jl-S '62. (MIRA 15:8)
(Ukraine--Poultry plants)

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PROCESSES AND PROPERTIES INDEX

Tetraethyl lead. S. Rokhlin and A. Starchevskaya. *Farm. Zhur.* 14, No. 2, 29-30(1941). Symptomatic of poisoning, toxicology and distribution of Pb in the organs and blood.

B. Gutoff

11H

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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STARCHEVSKAYA, A. D.

34239. Primeneniye Ditizona pri sudebno- khimicheskikh issledovaniyakh Kriminalistika i Nauch-sudeb. Ekspertiza. Sb. Z. kiyev, 1949, c. 161-69.

SO: Knizhnaya Letopis' No. 6, 1955

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STARCHEVSKAYA, A. D.

34229. Starchevskaya, A.D. : Get'man, T. Ye. Konstanty Neustoychivosti Mednkyh Soley Aminokislot. Kriminalistika i Nauch.-Sudeb. Ekspertiza. SB. Z. Kiyev, 1949, C. 181-89

SO: Knizhnaya Letopis' No. 6, 1955

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STARCHEVSKAYA, A.D.; KHAIT, M.M.

Postmortem diagnosis of quinacrine poisoning. Sud.-med.ekspert. 3 no.1:55-57 Ja-Mr '60. (MIRA 13:5)

1. Kiyevskoye oblastnoye byuro sudebnomeditsinskoy ekspertizy.
(QUINACRINE--TOXICOLOGY)

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STARCHEVSKAYA, O. [Starchevs'ka, O.], inzh.

The relation of the properties of dicalcium silicate to the temperature of its synthesis. Bud.mat.i konstr. no.5:49-51 S-O '62. (MIRA 15:11)

(Calcium silicates)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652910016-0

SOV-21-58-8-15/27

AUTHORS: Manzhurnet, V.V., Pashchenko, A.A. and Starchevskaya, Ye.A.

TITLE: Investigation of the Effect of $CaCl_2$ on Certain Physico-Chemical Processes in the System of Baked Spondilous Clay - Lime - Water (Issledovaniye vliyaniya $CaCl_2$ na nekotoryye fiziko-khimicheskiye protsessy v sisteme obozhzhennaya spondilovaya glina - izvest' - voda)

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1958, Nr 8, pp 859-862 (USSR)

ABSTRACT: The authors studied physico-chemical processes which occur during the interaction of lime with baked spondilous clay in the presence of $CaCl_2$ solution. It was established that this interaction is accelerated by the $CaCl_2$ admixture. This acceleration can be explained by the rise in osmotic pressure in the complex solutions of $Ca(OH)_2$ - $CaCl_2$. In conducting the experiments, the spondilous clay obtained in the construction of the Kiyev subway was used. Studies were performed by chemical and thermographic methods. It was concluded that 5 to 7 % of $CaCl_2$ solution should be mixed into the cement in order to improve the physico-mechanical properties and air resistance of clay-lime cement made of spondilous clay.

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