Kamershteyn A. G

DASHKIN, S.I., kand.tekhn.nauk; KAMERSHTEYN, A.G., kand.tekhn.nauk; SAFARYAN, M.K., kand.tekhn.nauk.

Composite reinforced concrete structural components. Stroi.prom. 35 no.6:16-18 Je '57. (MIRA 10:10)
(Reinforced concrete)

PROKOF'YEV, V.I.; KAMERSHTEYN, A.G.

Establishing technical principles for calculating and designing pipelines. Stroi. pred. neft. prom. 3 no.6:12-14 Je '58. (MIRA 11:7)

1.Zam. direktora po nauchnoy chasti Vsesoyuznogo nauchno-issledovatel'skogo instituta tverdykh splavov (for Prokof'yev). 2.Zav. laboratoriyey prochnosti Vsesoyuznogo nauchno-issledovatel'skogo instituta tverdykh splavov (for Kamershteyn).
(Pipelines)

KAMERSHTEYN, A.G., kand. tekhn. nauk.

Testing the strength of pipelines. Stroi. truboprov. 3 no.7:7-9 Jl '58. (MIRA 12:1)
(Pipelines--Testing)

BULGAKOV, Anton Viktorovich; KAMERSHTEYN, A.G., kand.tekhn.nauk, red.; BESKINA, O.S., red.; OLERSKIY, Ye.Ye., tekhn.red.

[Overhead gas pipelines with self-compensating thermal stresses; construction and maintenance] Nadzemnye gazoprovody s samokompensatsiei temperaturnykh napriazhenii; opyt stroitel'stva i ekspluatatsii. Moskva, Otdel nauchno-tekhn.informatsii, 1959. 71 p. (MIRA 13:9)

(Gas, Natural--Pipelines)

KAMERSHTEYN, Anatoliy Grigor'yevich; RUCHIMSKIY, Mark Nikolayevich; SHAKHMAYEVA, Ye.A., vedushchiy red.; FEDOTOVA, I.G., tekhn.red.

[Strength analysis of factory piping] Raschet zavodskikh truboprovodov na prochnost'. Moskva, Gos.nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1959. 177 p. (MIRA 12:8)
(Pipe) (Factories--Equipment and supplies)

AL'TSHUL', A.D., kand.tekhn.nauk; KALITSUN, V.I., inzh.; KISLYUK, F.I., doktor tekhn.nauk; KAMERSHTEYN, A.G., kand.tekhn.nauk

Hydraulic resistance of pipeline joints made by resistance butt welding on KTSA-1 equipment. Stroi.truboprov. 4 no.1:7-10 Ja '59. (MIRA 12:1)
(Pipelines--Welding) (Pipelines--Testing)

NIKOLAYEV, S.I., red.; SALUKVADZE, V.S., red.; ANDRIANOV, K.I., red.; VASIL'YEV, A.Ye., red.; ZHIKHAREVA, G.P., red.; KRYLOV, P.I., red.; KSHONDZER, G.L., red.; KHRAMIKHIN, F.G., red. [deceased]; CHERNISINOV, M.M., red. Prinimali uchastiye: ANUCHKIN, M.P., red.; GRIGOR'YEVA, M.B., red.; ZHUKOV, V.I., red.; KALYUZHNYY, N.G., red.; KAMERSHTEYN, A.G., red.; KOZLOVSKAYA, A.A., red.; LAVROVA, N.P., red.; NUSOV, G.I., red.; FAL'-KEVICH, A.S., red.; YERSHOV, P.R., vedushchiy red.; FEDOTOVA, I.G., tekhn.red.

[Safety regulations for constructing steel pipelines] Pravila tekhniki bezopasnosti pri stroitel'stve magistral'nykh stal'nykh truboprovodov. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1960. 235 p. (MIRA 13:9)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gazovoy promyshlennosti. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut tverdykh splavov (for Anuchkin, Grigor'yeva, Zhukov, Kalyuzhnyy, Kamershteyn, Kozlovskaya, Lavrova, Nusov, Fal'kevich). (Pipelines) (Industrial safety)

KAMERSHTEYN, A.G., kand.tekhn.nauk

Soviet and foreign standards for designing and planning gas pipelines. Stroi. truboprov. 6 no.5:12-14 My '61. (MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'stvu magistral'nykh truboprovodov, Moskva.
(Gas, Natural—Pipelines)

KAMERSHTEYN, A.G., kand.tekhn.nauk

Study of the bearing capacity of n-shaped expansion pieces. Stroi. truboprov. 6 no.11:3-5 N '61. (MIRA 15:4)
(Pipe fittings)

KAMERSHTEYN, Anatoliy Grigor'yevich; ROZHDESTVENSKIY, Vladimir Vladimirovich; RUCHIMSKIY, Mark Nikolayevich; RABINOVICH, Ye.Z., red.; POLOSINA, A.S., tekhn. red.

[Calculating the strength of pipelines]Raschet truboprovodov na prochnost'; spravochnaia kniga. Moskva, Gostoptekhizdat, 1963. 427 p. (MIRA 16:4)

(Pipelines)

KAMERSHTEYN, A.G., kand. tekhn. nauk; ROZHDESTVENSKIY, V.V., kand. tekhn. nauk

Design of pipelines according to limiting states in regions undercut by mining. Stroi. truboprov. 8 no.6:18-21 Je '63. (MIRA 16:7)

(Pipelines--Design and construction)

STEPANOV, G.N., inzh., red.; KAMERSHTEYN, A.G., kand. tekhn. nauk, red.; IFTINKA, G.A., red.; RODIONOVA, V.M., tekhn. red.

[Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat. Pt.2. Sec.D. ch.10.[Pipelines] Magistral'nye truboprovody; normy proektirovaniia (SNiP II-D. 10-62). 1963. 29 p. (MIRA 16:10)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosudarstvennyy komitet po delam stroitel'stva SSSR (for Stepanov). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'stvu magistral'nykh truboprovodov (for Kamershteyn).

(Pipelines)

KAMERSHTEYN, A.G., kand. tekhn. nauk

Analysis and comparison of domestic and foreign norms for the calculation and design of pipelines and process piping. Trudy VNIIST no.15:6-38 '63.

(MIRA 17:11)

[redacted], A.L., kand. tekhn. nauk; [redacted], V.V., zasl. tekhn. nauk

New method for calculating pipelines in mining regions. Trudy VNIIST no.15:78-91 '63. (MIRA 17:11)

KAMERSHTEYN, A.G.

Investigating the deformation characteristics and carrying capacity of welded knee pipes. Stroi. truboprov. 9 no.3:10-13 Mr '64. (MIRA 18:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'stvu magistral'nykh truboprovodov.

KAMERSKI, S.

A voice in the discussion on the struggle for cost reduction.

p. 33 (Budownictwo Przemyslowe) Vol. 4, no. 4, Apr. 1955, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

L 47203-66 T WW/JW/WE

ACC NR: AP6022443 (A) SOURCE CODE: CZ/0078/66/000/003/0015/0016

59
B

AUTHOR: Kames, Josef (Engineer; Prague)

ORG: none

TITLE: A swirl atomizer for liquid fuel. CZ Pat. No. PV 5551-65, Class 24

SOURCE: Vynalezy, no. 3, 1966, 15-16; 24b, 8/04; MPT F 23d

TOPIC TAGS: engine fuel system, fuel nozzle, atomization

ABSTRACT: An author Certificate has been issued for a swirl atomizer for liquid fuel. It has at least one fuel nozzle with its orifice on the surface of the atomizer, the nozzle being connected to an eccentrically mounted fuel channel. This, in turn, is connected with a cavity inside the atomizer body and by an oblique duct to the surface of the atomizer opposite to the nozzle orifice. Three points of the patent subject are enumerated. [Translation] [KP]

SUB CODE: 21/ SUBM DATE: 31Aug65/

Card 1/1 fv

L 02158-67 EWP(f)/T-2 WW/JW/WE

ACC NR: AP6022442 (A) SOURCE CODE: CZ/0078/66/000/003/0015/0015

INVENTOR: Kames, Josef (Engineer; Prague)

ORG: none

TITLE: Evaporation burner. CZ Pat. No. PV 339-65, Class 24

SOURCE: Vynalezy, no. 3, 1966, 15

TOPIC TAGS: combustion chamber, liquid fuel combustion, liquid fuel, combustion

ABSTRACT: The proposed evaporation burner for liquid fuel is provided with a combustion chamber with vertical indented intake slots and openings. The burner is attached to an air duct, and is distinguished by the oblique position of the entire flat-shaped combustion chamber. The cavity of the chamber is partially divided by the indented slots into oblique sections. The air inlet openings are located only on one part of the combustion-chamber circumference, thus, inducing a swirling motion in the air in the opposite direction in two adjoining sections of the combustion-chamber cavity. [BP]

SUB CODE: 21/ SUBM DATE: 18Jan65

Card 1/1

BADAL'YAN, G.M.; KAMENSHKOV, K.A., otvetstvennyy redaktor; FRUMKIN, P.S., tekhnicheskiy redaktor

[Protection of metals through phosphate or oxide coatings] Zashchita metallov fosfatnymi i okisnymi plenkami. [Leningrad] Gos. izd-vo sudostroit. lit-ry, 1952. 159 p. [Microfilm] (MRLA 7:10)
(Corrosion and anticorrosives)

ARKHANGEL'SKIY, Boris Aleksandrovich; AL'SHITS, Isaak Moiseyevich; KAMESHKOV, K.A., nauchnyy red.; KAZAROV, Yu.S., red.; ERASTOVA, N.V., tekhn.red.

[Sailing vessels built of plastics] Suda iz plastmass. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1959. 83 p. (MIRA 12:12)
(Shipbuilding--Supplies) (Plastics)

ARKHANGEL'SKIY, Boris Aleksandrovich; AL'SHTS, Isaak Moiseyevich; SOKOLOV, B.P., insh., retsenzent; KAMESHKOV, K.A., insh., nauchnyy red.; LISOK, E.I., red.; ERASTOVA, N.V., tekhn. red.

[Vessels made of plastics] Suda iz plastmass. Izd.2., perer. i dop. Leningrad, Sudpromgiz, 1963. 156 p. (MIRA 16:5)
(Fiberglass boats) (Shipbuilding materials)

NARUSBAYEV, Aleksandr Abdugaparovich; LISOV, Gennadiy Petrovich;
DROBLENKOV, V.F., kand. tekhn. nauk, retsenzent;
KAMESHKOV, K.A., nauchn. red.; MISHKEVICH, G.I., red.

[Secret of the loss of the "Treshera" Leningrad, Sudostroenie, 1964. 97 p. (MIRA 17:12)

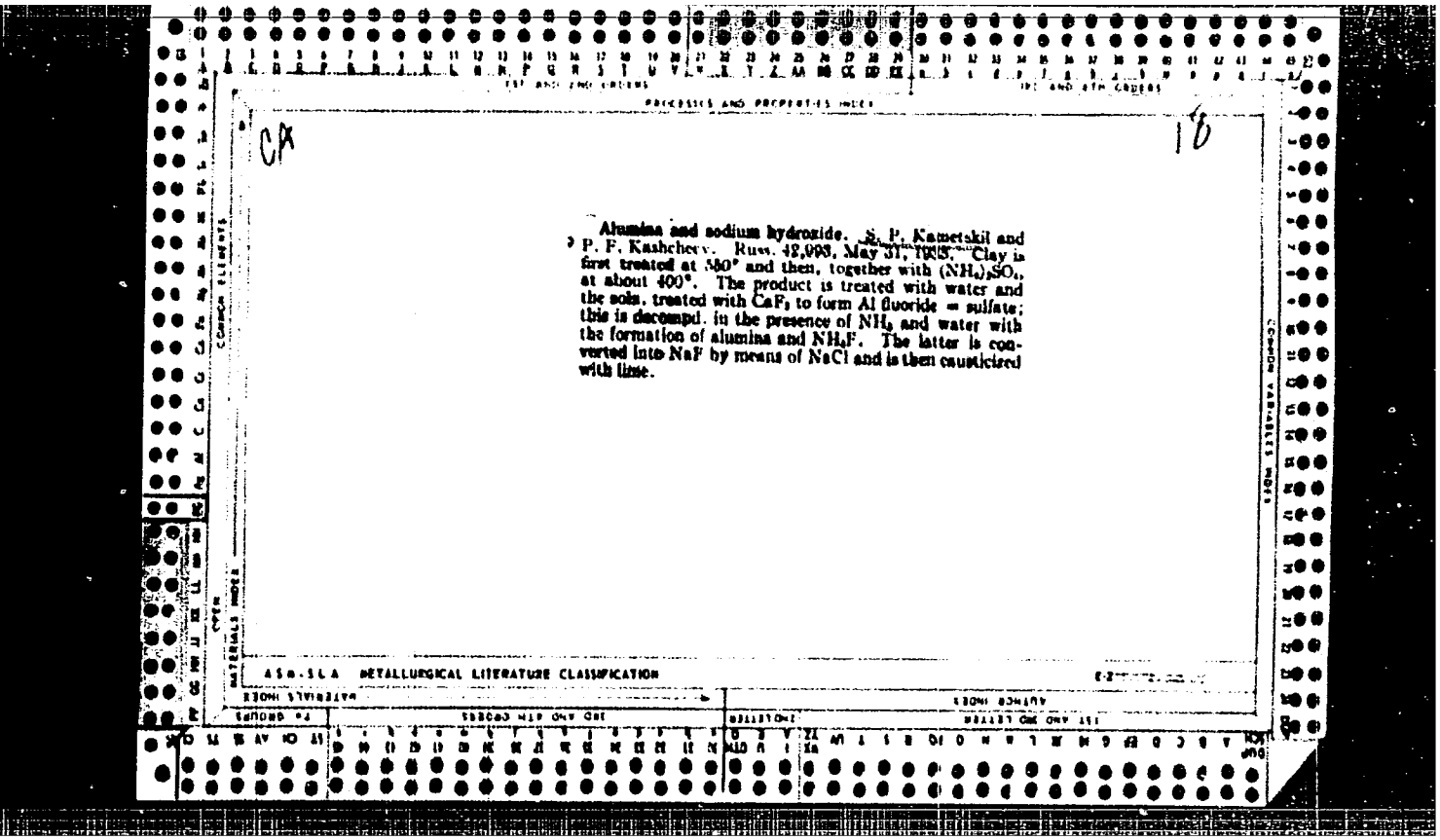
GROMOV, B.V.; KAMESHKOVA, N.N.

Isolation of the antagonists of the alga Chlorella from soils. Nauch. dokl. vys. shkoly; biol. nauki no.1:171-174 '64. (MIRA 17:4)

1. Rekomendovana kafedroy mikrobiologii Leningradskogo gosudarstvennogo universiteta im. A.A.Zhdanova.

KAMESKIY, A.

With the trademark of the 2nd Moscow Watch Factory. Vnesh. torg. 41 no.6:19 '61. (MIRA 14:7)
(Moscow—Clockmaking and watchmaking)
(Russia—Commerce)

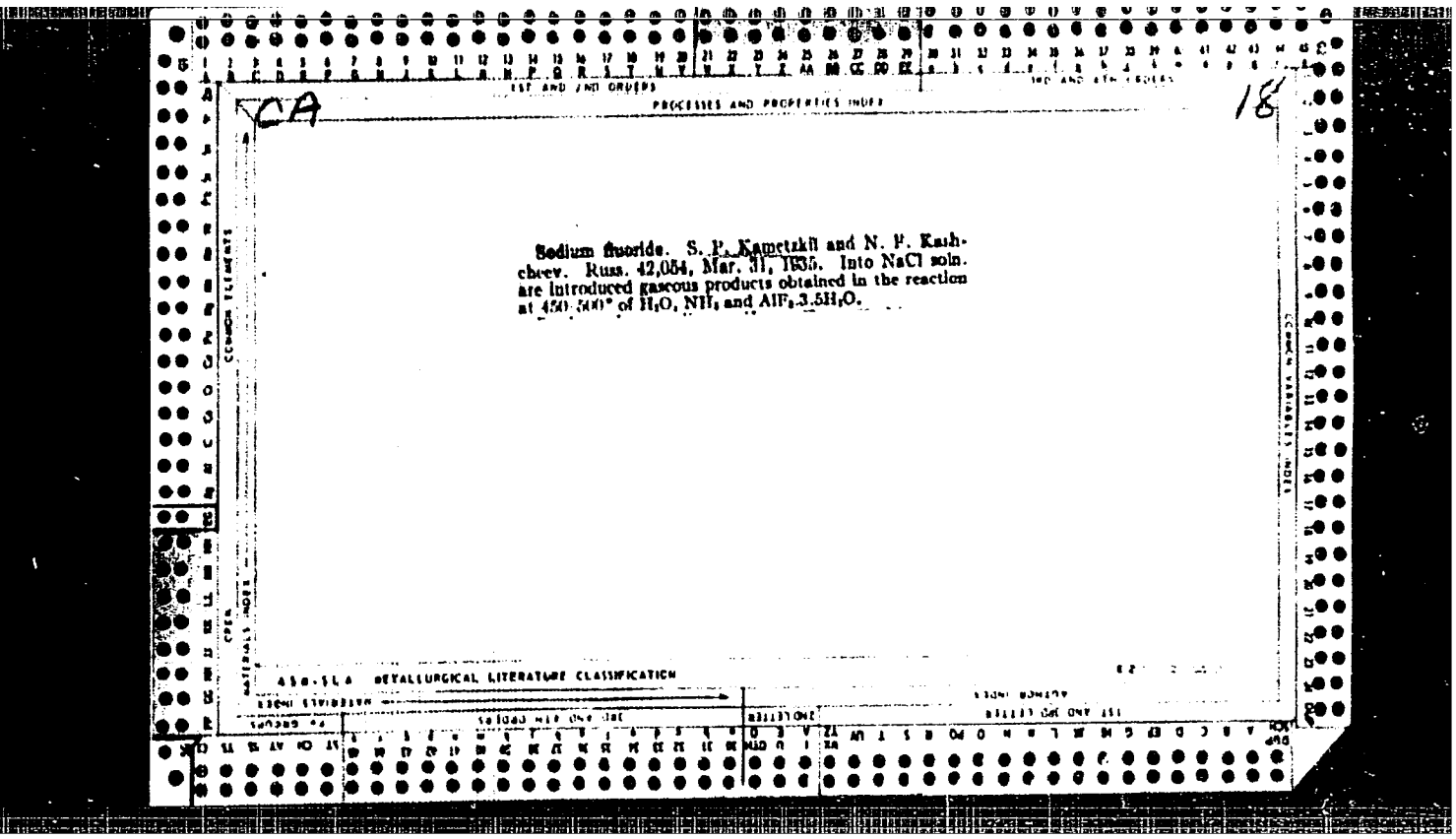


CA

18

Alumina and sodium hydroxide. S. P. Kametskii and P. F. Kashchenv. Russ. 42,993, May 31, 1935. Clay is first treated at 560° and then, together with $(NH_4)_2SO_4$, at about 400°. The product is treated with water and the soln. treated with CaF_2 to form Al fluoride + sulfate; this is decompd. in the presence of NH_3 and water with the formation of alumina and NH_4F. The latter is converted into NaF by means of NaCl and is then causticized with lime.

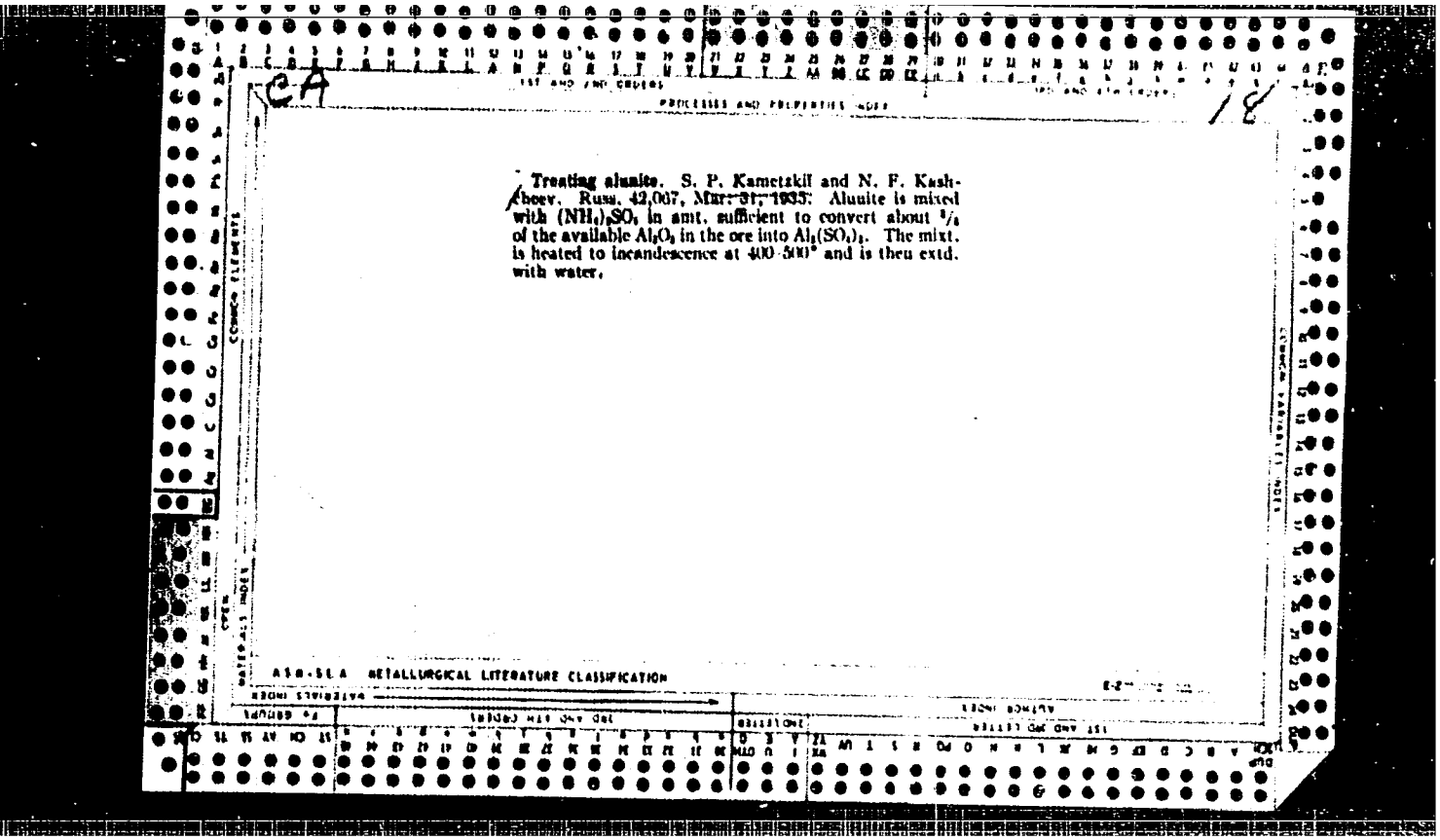
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



CA

18

Sodium fluoride. S. P. Kametzkii and N. P. Kashchev. Russ. 42,084, Mar. 31, 1935. Into NaCl soln. are introduced gaseous products obtained in the reaction at 450–500° of H_2O, NH_3 and $AlF_3 \cdot 3.5H_2O$.



CA

18

Treating alunite. S. P. Kametzkii and N. F. Kashbeev. Russ. 42,007, Mar. 31, 1935. Alunite is mixed with $(NH_4)_2SO_4$ in amt. sufficient to convert about $^1/_3$ of the available Al_2O_3 in the ore into $Al_2(SO_4)_3$. The mixt. is heated to incandescence at 400–500° and is then extd. with water.

A.S.M.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

Aluminum fluoride. S. P. [illegible] and N. P. Kashcheev. Russ. 43,417, June 30, 1935. Low-grade fluorspar is treated with $Al_2(SO_4)_3$ soln., the $CaSO_4$ obtained is filtered off, and the soln. treated with HF.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620310009-0"

KAMETSKIY, Stefan Petrovich; ROSSOVA, S.M., redaktor; AVERKIYEVA, T.A., tekhnicheskiy redaktor

[Field methods of chemically determining bauxite] Metody polevogo khimicheskogo opredeleniia boksitov. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1957. 17 p. (MIRA 10:8)
(Bauxite)

L 35084-65

ACCESSION NR: AR5005397 S/0299/64/000/019/R012/R012

SOURCE: Ref. zh. Biologiya. Sv. t., Abs. 10R78 14 B

AUTHOR: Novelli, G. D.; Kamevama, T.; Eyzenshtadt, Dzh. M.

TITLE: Effect of ultraviolet rays and X-rays on the enzyme forming system

CITED SOURCE: Sb. Vosstanovleniye kletok ot povrazhd., M., Gosatomizdat, 1963, 336-368

TOPIC TAGS: protein synthesis, E. coli, ultraviolet irradiation, X-irradiation, enzyme, ornithinetranscarbamylase, leucine, DNA, beta-galactosidase, photoreactivation, amino acid, noncellular system, radioactive carbon

TRANSLATION: To study protein synthesis, a noncellular system of destroyed E. coli protoplasts was developed which synthesized the induced enzyme, ornithinetranscarbamylase. At the same time beta-galactosidase formation was studied under conditions of lethal ultraviolet irradiation. It was established that after irradiation

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ACCESSION NR: AR5005397

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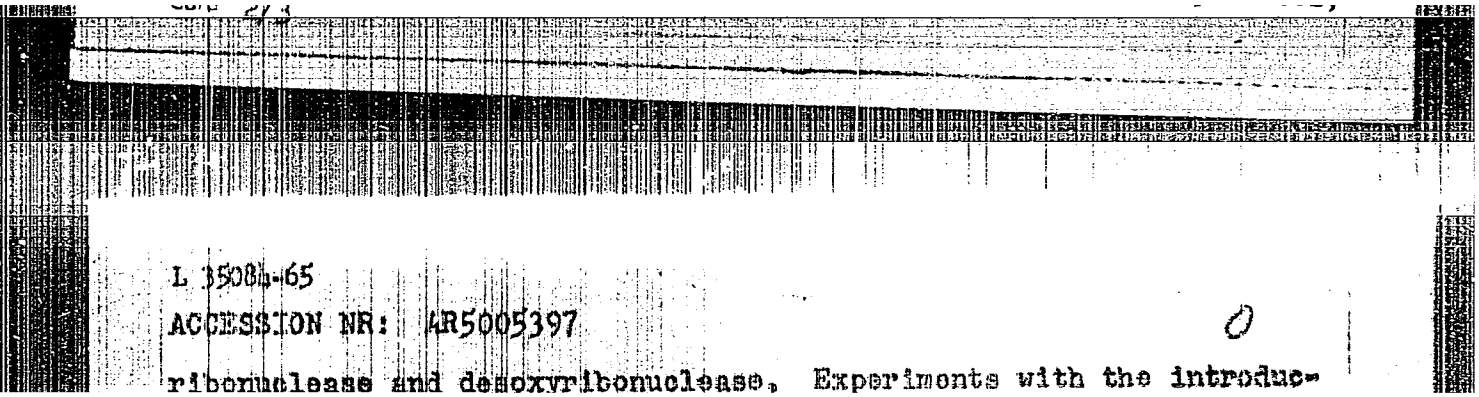
cellular survivability suffers most and beta-galactosidase suffers next most; crude protein synthesis was found most resistant. Radiation with visible light restores beta-galactosidase synthesis. Ornithinetranscarbamylase synthesis was less sensitive to radiation. The authors explain this by the fact that beta-galactosidase synthesis, unlike ornithinetranscarbamylase synthesis, is required in RNA synthesis. In the presence of beta-galactosidase activity



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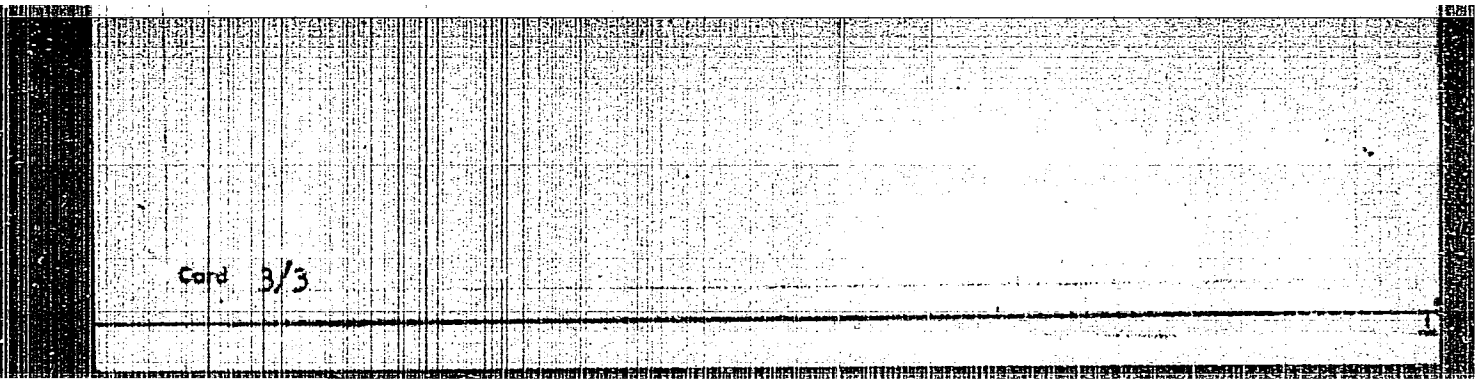
ACCESSION NR: AR5005397

ribonuclease and desoxyribonuclease. Experiments with the introduc-



APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620310009-0"

KAMEYEV, A.V.

Category : USSR/Nuclear Physics -Nuclear engineering and power C-8

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 711

Author : Krasin, A. K., Dubovskiy, B. G., Doil'nitsyn, Ye. Ya., Natalin, L. A., Inyutin, Ye. I., Kameyev, A. V., Lantsov, M. N.

Title : Study of the Physical Characteristics of an Atomic Electric Station Reactor

Orig Pub : Atom. energiya, 1956, No 2, 3-10

Abstract : A graphite-water research reactor, in which the cell construction was nearly equal to the cell of the reactor of an atomic electric station, was built to check the calculation results for the latter reactor. The research reactor was a cylinder 190 cm high and 260 cm in diameter. The fission material used was uranium protoxide and oxide with 10% U^{235} enrichment. The critical mass (M_{cr}) was 6.3 kg U^{235}, which was in good agreement with the calculated value (M_{cr} = 5.35 -- 7.4 kg U^{235}) calculated with a procedure previously checked experimentally only with a uranium-graphite lattice with a small content of steel and water. The critical mass was calculated for the reactor of the atomic electric station for two cases: with and without water in the working channels. The results obtained are in good agreement with the calculations. Experiments weremade on the calibration of boron rods and on the determination of the excess reactivity. The dependence of the effectiveness of the

Card : 1/2

Category : USSR/Nuclear Physics - Nuclear engineering and power C-8

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 711

absorbing boron rod on the depth of its insertion in the reactor was investigated. Experiments on the determination of the controlling ability of the rod have established that the surrounding rods effect strongly the absorbing ability of the rod. A study of the character of the curve for the decrease in power with time under scram conditions was made to determine the operating time of the scram rods.

A mechanical neutron selector was used to study the neutron spectrum, and the distribution of the thermal neutrons was found to be in good agreement with the theoretical curve when the effective temperature of the neutron gas was assumed to be approximately 100° higher than the temperature of the core. The temperature of the neutron gas was then determined with the aid of boron rods, and good agreement was obtained here with the results of the measurements made with the selector. The curves of the cadmium ratios versus the reactor radius showed that 8.3% of the fissions in U^{235} occur in the region above the cadmium.

Card : 2/2

KAMEYKO, V. A.

"Strength and Deformations of Reinforced Brickwork." Sub 19 Jun 51, Central Sci Res Inst of Industrial Structures (TsNIPS)

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

BUZHEVICH, G., kand. tekhn. nauk; KAMEYKO, V., kand. tekhn. nauk

Lightweight materials based on coarse porous concretes.
Stroi. mat. 4 no.12:12-14 D '58. (MIRA 11:12)
(Lightweight concrete)

KAMEYKO, V.A., kand.tekhn.nauk; LEVIN, N.I., kand.tekhn.nauk; KLIMOVA, G.D., red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Temporary technical specifications for using large wall elements made of autoclave-hardened porous concretes] Vremennye tekhnicheskie usloviia po primeneniiu krupnorazmernykh stenovykh izdelii iz avtoklavnykh iacheistykh betonov. Moskva, 1959. 25 p. (MIRA 13:3)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut stroitel'nykh konstruktsii.

(Walls) (Lightweight concrete)

LEVIN, N.I., kand.tekhn.nauk; KAMEYKO, V.A., kand.tekhn.nauk, red.; VILKOV, G.N., red.izd-va; RUDAKOVA, N.I., tekhn.red.

[Mechanical properties of porous concrete blocks] Mekhanicheskie svoistva blokov iz iacheistykh betonov. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1960. 141 p. (Akademiia stroitel'stva i arkhitektury SSSR. Institut stroitel'nykh konstruktsii. Nauchnoe soobshchenie, no.10). (MIRA 14:1)
(Lightweight concrete) (Concrete blocks)

KAMEYKO, V.A.; RABINOVICH, A.I.

The draft for new norms and technical specifications for designing plain and reinforced masonry structures. Stroi. mekh. i rasch. soor. 2 no. 2:47-48 '60. (MIRA 14:5)
(Masonry)

GUSAKOV, V.N., kand. tekhn. nauk; SHVARTSZAYD, M.S., kand. tekhn. nauk; KAMEYKO, V.A., kand. tekhn. nauk; LEVIN, N.I., kand. tekhn. nauk; KHAVKIN, L.M., inzh.; SKATYNSKIY, V.I., kand. tekhn. nauk; KRASNYY, I.M., kand. tekhn. nauk; NEMIROVSKIY, Ya.M., kand. tekhn. nauk; TEMKIN, L.Ye., inzh., red.; STRASHNYKH, V.P., red. izd-va; BOROVNEV, N.K., tekhn. red.

[Instructions SN 165-61 for designing articles made of autoclaved silicate concretes] Ukazaniia po proektirovaniiu konstruktsii iz avtoklavnykh silikatnykh betonov CH 165-61. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 50 p. (MIRA 14:12)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut novykh stroitel'nykh materialov Akademii stroitel'stva i arkhitektury SSSR (for Gusakov, Shvartszayd). 3. Vsesoyuznyy tsentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy Akademii stroitel'stva i arkhitektury SSSR (Kameyko, Levin). 4. Respublikanskiy nauchno-issledovatel'skiy institut mestnykh stroitel'nykh materialov Vserossiyskogo soveta narodnogo khozyaystva (for Khavkin). 5. Nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy Akademii stroitel'stva i arkhitektury USSR (for Skatynskiy). 6. Nauchno-issledovatel'skiy institut betona i zhelezobetona Akademii stroitel'stva i arkhitektury SSSR (for Krasnyy, Nemirovskiy).

(Precast concrete) (Sand-lime products)

KRZHEMINSKIY, S.A., kand.tekhn.nauk; KAMEYKO, V.A., kand.tekhn.nauk; KRYZHANOVSKIY, B.B., inzh.; LEVIN, N.I., kand.tekhn.nauk; SHUTILO, L.I., inzh.

Technology and basic physical and mechanical properties of autoclaved air-entrained silicate. Sbor. trud. ROSNIIMS no.17:109-129 '60. (MIRA 14:12)

(Sand-lime products)

ZIL'BERFARB, P.M., inzh.; KAMEYKO, V.A., kand.tekhn.nauk

Bearing panels for interior walls made of silicate concrete.
Stroi. mat. 8 no.6:6-9 Je '62. (MIRA 15:7)
(Sand-lime products)
(Walls)

KRZHEMINSKIY, S.A., kand.tekhn.nauk; KRYZHANOVSKIY, B.B., inzh.; KAMEYKO, V.A., kand.tekhn.nauk; LEVIN, N.I., kand.tekhn.nauk; BALASHOVA, N.M., inzh.; SHUTILO, L.I., inzh.

The technology and basic physicomechanical properties of air-entrained silicate and air-entrained cinder silicate used as insulating materials. Sbor. trud. ROSNIIMS no.20:36-51 '61. (MIRA 16:1)

(Insulating materials) (Sand-lime products)

KAMEYSKIY, M. D.

Elektricheskie Sistemy (Electric Networks and Systems), 248 p., Moscow and Leningrad, 1952.

viscosity; $t_a - t_f$ = temperature difference between fuel and medium; P_a - initial [illegible] combustion chamber; V_{cc} - combustion chamber

dimensionalizing,

$$Nu = f\left[\frac{P_a v}{\lambda (t_a - t_{l,0})}; \frac{\rho_{a0} v d_{cp}}{\lambda (t_a - t_{l,0})}; \frac{\nu_{at}}{d^2_{cp}}; \frac{\varphi}{d^2_{cp}}; \frac{m_l v}{\lambda (t_a - t_{l,0}) d^2_{cp}}\right].$$

is obtained. Using Newton's equation

$$Q_n = \alpha F_{cp} n_c (t_a - t_{l,0}) \tau_c$$

here n_c - equivalent number of drops with average diameter d_{cp} providing total fuel flow, the heat transfer equation

$$Nu = \frac{Q_a}{6 (t_a - t_{l,0})} \cdot \frac{\rho_l d^2_{cp}}{\lambda m_l \tau},$$

is obtained. After applying empirical and semi-empirical relationships between

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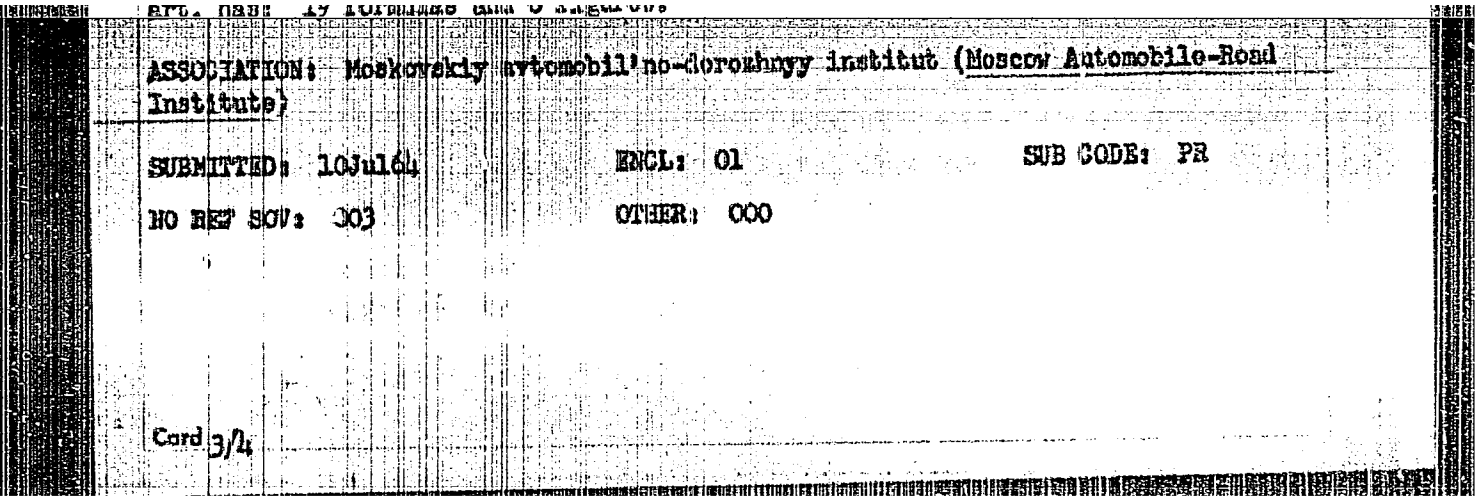
ACCESSION NR: AP5004236

volume combustion chamber with diesel fuel injection becomes

$$Q_1 = 1{,}31 \cdot 10^{-3} (t_z - t_{f,0}) \bar{P}_z^{0.4} m_f^{0.8} \left(\frac{\tau}{d^2_{cp}} \right)^{0.2},$$

(where $\bar{P} = P_p/P_0$, Q in calories). The results obtained with the above equation compared well with experimental results as shown in Fig. 1 on the Enclosure. Orig.



ACC. NR: [illegible]

ASSOCIATION: Moskovskiy avtomobil'no-dorozhnyy institut (Moscow Automobile-Road Institute)

SUBMITTED: 10Jul64 ENCL: 01 SUB CODE: PR

NO REF SOV: 003 OTHER: 000

Card 3/4

L 32728-65
ACCESSION NR: AP5004236

ENCLOSURE: 01

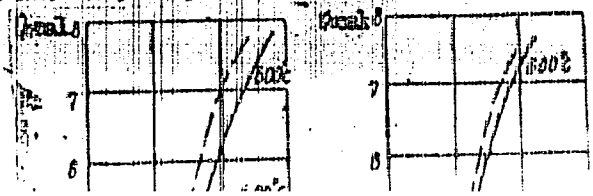


Fig. 1. Comparison of experimental and calculated heat transfer curves; — calculated curves, --- experimental curves; 2-

KHOVAKH, M.S., prof.; KAMFER, G.M. aspirant

Some characteristics of the heat exchange between fuel and the surrounding medium during fuel injection in diesel engines. Izv. vys. ucheb. zav.; mashinostr. no.1:133-138 '65. (MIRA 18:5)

L 09131-67 EWT(m) FDN/WE

ACC NR: AP6032046 (A) SOURCE CODE: UR/0145/66/000/005/0091/0096

62
60

AUTHOR: Kamfer, G. M. (Candidate of technical sciences)

ORG: None

TITLE: A method for calculating fuel vaporization in diesel engines

SOURCE: IVUZ. M ashinostroyeniye, no. 5, 1966, 91-96

TOPIC TAGS: diesel engine, fuel, vaporization, heat transfer, coefficient, fuel injection

ABSTRACT: The author presents a method for calculating heating and vaporization of atomized fuel in diesel engines. A previously published equation for the heat transfer coefficient between the fuel and the medium under conditions of nonstationary injection is used as the basis for the calculations. An analytic relationship between the fuel injection charecteristic and fuel vaporization law is derived on the basis of the assumed similarity between the processes of heat and mass transfer. It is shown that the vaporization law follows the fuel injection law for a nonstationary flame front with a certain time lag which is due to constant reduction in the heat transfer coefficient and vaporization constant during fuel delivery. The proposed method for calculating the vaporization process may be used for determining the law of fuel vaporization corresponding to given ambient conditions when the fuel injection character-

Card 1/2 UDC: 662.75+621.038

istics are given. The relationships derived in the paper give an analytic description in the first approximation of the vaporization process with simultaneous variations in the period of combustion delay, the temperatures and pressures of the working mixture in the cylinder, the velocities of the air charge and the parameters of fuel injection and atomization. The possibility of using the proposed relationships for studying the carburetion process in diesel engines under operating conditions with compression ignition is considered and a pragmatic example is given. This article was presented for publication by Professor M. S. Khovakh, Moscow Automobile and Highway Institute. Orig. art. has: 4 figures, 14 formulas.

SUB CODE: 21/ SUBM DATE: 29Jun65/ ORIG REF: 005

KAMHT, A.

KAMHT, A. Some observations on road design. p. 341.

Vol. 4, No. 8/9, Aug./Sept. 1956.
CESTE I MOSTOVI
TECHNOLOGY
Zagreb, Yugoslavia

So: East European Accession, Vol. 6, No. 2, February 1957

KAMHI, A.

Experiences in the construction of roadways in France. p. 342.

PUT I SAOBRACAJ. (Drustvo za puteve Srbije)
Beograd, Yugoslavia. Vol. 4, no. 7/10, July/Oct. 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959.

Uncl.

KAMIANSKI, V.

Machine for bending spring sheets.

P. 57, (Transportno Delo), Vol. 9, no. 3, 1957, Sofia, Bulgaria

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

KAMIENIECKA, H.

TECHNOLOGY

PERIODICAL: PRZEGLAD GEOLOGICZNY. Vol. 6, no. 1, Jan. 1958.

KAMIENIECKA, H.: A plan of geologic research and prospecting in 1958. p. 1.

Monthl List of East European Accessions (EEAI) LC Vol. 8, no. 4
April 1959, Unclass.

KAMIENIECKA Z.

KIRKOWSKA, I.; KAMIENIECKA, Z.; SZAJNA, W.

Tick-borne encephalitis. Neurologia etc. polska 4 no.3:281-291 May-June 54.

1. Z Kliniki Neurologicznej Akademii Medycznej w Warszawie. Kierownik:prof. dr A.Opalski.
(ENCEPHALITIS, EPIDEMIC, epidemiology, Poland)

KAMIENIECHA Z.

PRZEMYSKI, Feliks; TAYTSCH, Zofia; SEMKOW, Romuald; WALENTYNOWICZ-STANCZYK, Regina; KAMIENIECKA, Zofia; KIRKOWSKA, Irena

Research on the tick-encephalitis virus; II. experimental infection of monkeys with the tick-borne encephalitis virus. Przegl. epidem., Warsz. 8 no.3:215-218 1954.

1. Z Oddzialu Wirusow Panstwowego Zakladu Higieny w Warszawie. Kierownik prof. dr. F. Przemyski.
(ENCEPHALITIS, EPIDEMIC, experimental in monkeys)

KAMIENIECKA, Zofia; KIRKOWSKA, Irena; SZAJNA, Mieczyslaw

Research on tick-borne encephalitis; IV. Health conditions of convalescents after encephalitis. Przegl. epidem., Warsz. 8 no.3: 225-228 1954.

1. Z Kliniki Neurologicznej Akademii Medycznej w Warszawie, kierownik prof. dr. I.Hausmanowa. 2. Z Oddzialu wewnetrznego Szpitala Miejskiego w "N," ordynator: dr. M.Szajna.
(ENCEPHALITIS, EPIDEMIC
convalescents, health cond. after 1950-52 epidemics in Poland)

EMERYK, B.; KAMIENIECKA, Z.; PUCILOWSKA, K.

Anti-edema procedures in brain strokes. Neurologia etc. polska 11 no.5:621-624 '61.

1. Z Kliniki Chorob Nerwowych AM w Warszawie Kierownik Kliniki: prof. dr I.Hausmanowa-Petrusewicz.
(CEREBROSVASCULAR DISORDERS ther)

KAMIŃSKA, Zofia; CZAS, Maria

Acetylcholine in the motor plate in muscular diseases. Pol. Pol. 15 no.2s121-129 Apr-Je '64

1. Z Kliniki Neurologicznej Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. I.Hausmanowa-Petrusewicz) i z Pracowni Histomorfologii Zakładu Patologii Doświadczalnej Polskiej Akademii Nauk (Kierownik Pracowni: doc. dr. med. Z. Bun'kowski; Kierownik Zakładu: prof. dr. med. L. Skoczylas).

KAMIENIECKA, Zofia; STRUGALSKA, Halina; WIERZBICKA, Irena

Ataxia-teleangiectasis syndrome. Neurol., neurochir., psychiat. Pol. 14 no.3:539-540 My-Je '64

1. Z Kliniki Neurologicznej Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. I. Hausmanowa-Petrusewicz).

KAMIENIECKA, Z.

Application of inhibitors to prevent the corrosion of gas pipes. p. 323.
(GAZ, WODA I TECHNIKA SANITARNA. Warszawa, Vol. 30, no. 9, Sept. 1956)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

Page 71

KAMIENICKA - WROBLEWSKA Z.

POLAND/Chemical Technology - Chemical Products and Their Application - Corrosion and Corrosion Protection. H,

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 29186

Author : Kamienicka-Wroblewska, Z.

Inst :

Title : Investigation of Organic Inhibitors of the Corrosion of Gas Pipelines.

Orig Pub : Koks, Smola, Gas, 2, No 4, 156-157 (1957) (in Polish with summaries in German, English and Russian)

Abstract : The results from the investigation of the effectiveness of a number of organic corrosion inhibitors (CI) in the protection of pipes in alkaline and weakly acidic soils have shown that CI of the type of dicyclohexyl amine nitrite and diphenyl urea can be used with good success. The latter inhibitor is prepared from aniline and CS_2 by dissolving them in alcohol in the presence of S,

Card 1/2

KAMIENIECKA-WROBLEWSKA, Z.

A few remarks on the insulation of pipelines.

p. 385 (Gaz, Woda I Technika Sanitaran. Vol. 31, no. 10, Oct. 1957. Warszawa, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

KAMIENIECKI, E.

On some optical properties of thin $Cd_{0.9}Hg_{0.1}Te$ layers.
Acta physica Pol 24 no.2:199-207 Ag '63.

1. Institute of Physics, Polish Academy of Sciences, Warsaw.

KAMIENOBRODZKI, Kazimierz

Polish rolling stocks exports in foreign trade. Przegl techn 79 Special issue:288-292 Je '61.

KAMIENIOBRODZKI, W.

SARNECKI, K.

"Machines and equipment in the alcohol and yeast industry" by B.Bachman, W.Kamieniobrodzki, D.Krzyzaniak, W.Rzuchowski, R.Stein, G.Szabo. Reviewed by K.Sarnecki. Przegl papier 18 no.10:3 of cover O '62.

KAMIENOBRODZKI, Wilhelm, prof. dr

Activities of the Department of Agricultural Technology of the School of Agriculture in Wroclaw during the 20-year period of the Polish People's Republic. Przem ferment i rol 8 no.3:106-109 Mr '65.

1. Head, Department of Agricultural Technology of the School of Agriculture, Wroclaw.

KAMEYKO, V.; kand.tekhn.nauk; MANYUKOV, G. , inzh.

Brick concrete wall panels. Stroitel' no.6:6-7 Je '59.
(MIRA 12:9)

(Building blocks)

KAMIENNY, M.

"Outline of the Fish Industry in the USSR." p.259
(PRZEMYSL ROLNY I SPOZYWCZY Vol. (7) no. 7, July 1953 Warszawa, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

KAMIENNY, M.

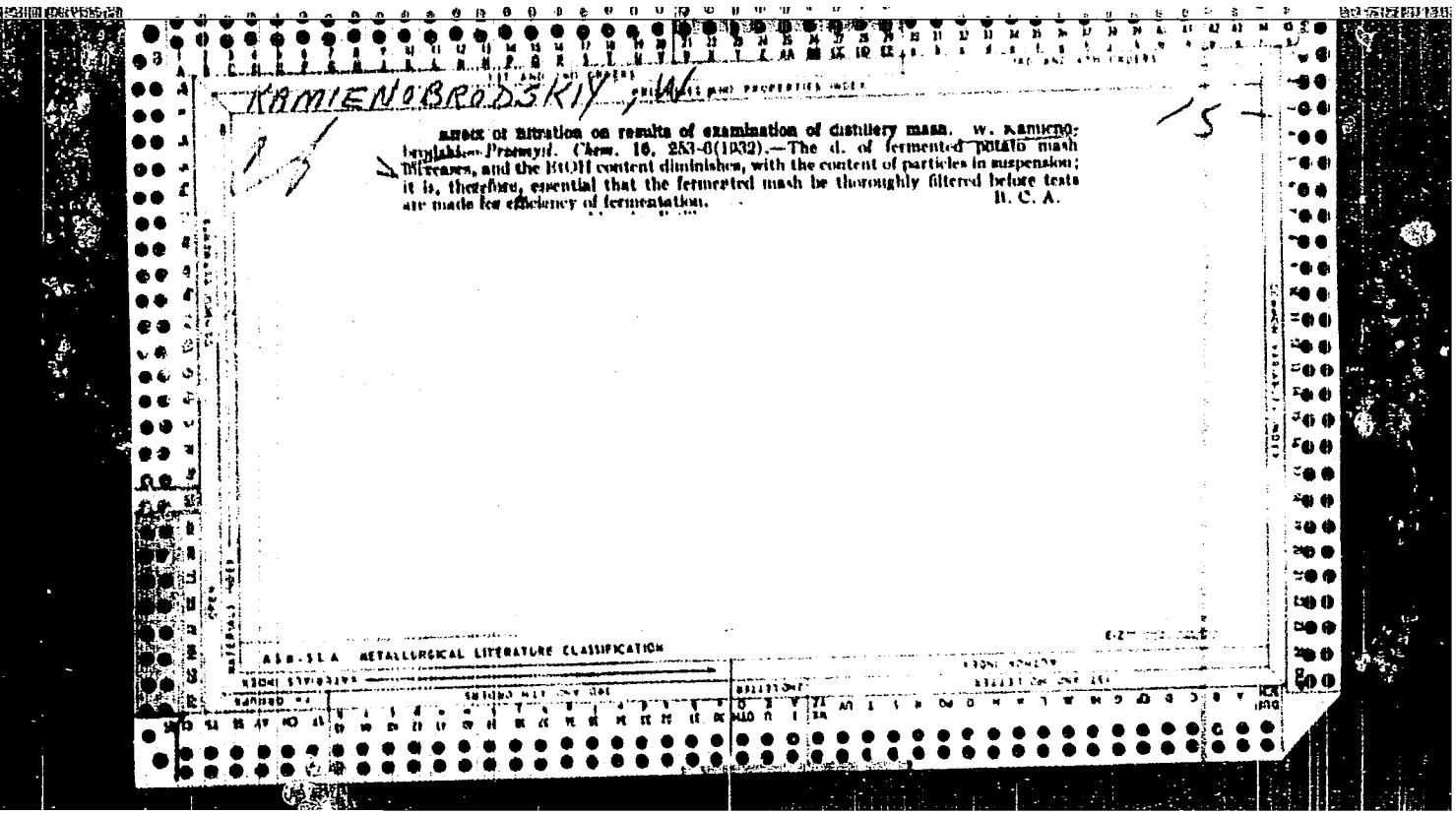
The first meeting of the Commission for the Economic Cooperation of the Food Industry of Poland and Dzechoslovakia; from a visit of the Polish delegation of the food industry in Czechoslovakia. p. 7. (Gospodarka Miesna, Vol. 8, No. 7/8, July/Aug 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

KAMIENNY, M.

Polish-Czechoslovak collaboration in the field of the food industry. p.308.
(Przemysl Spozywczy, Vol. 10, No. 8, Aug. 1956, Krakow, Poland)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 8, Aug. 1957. Uncl.

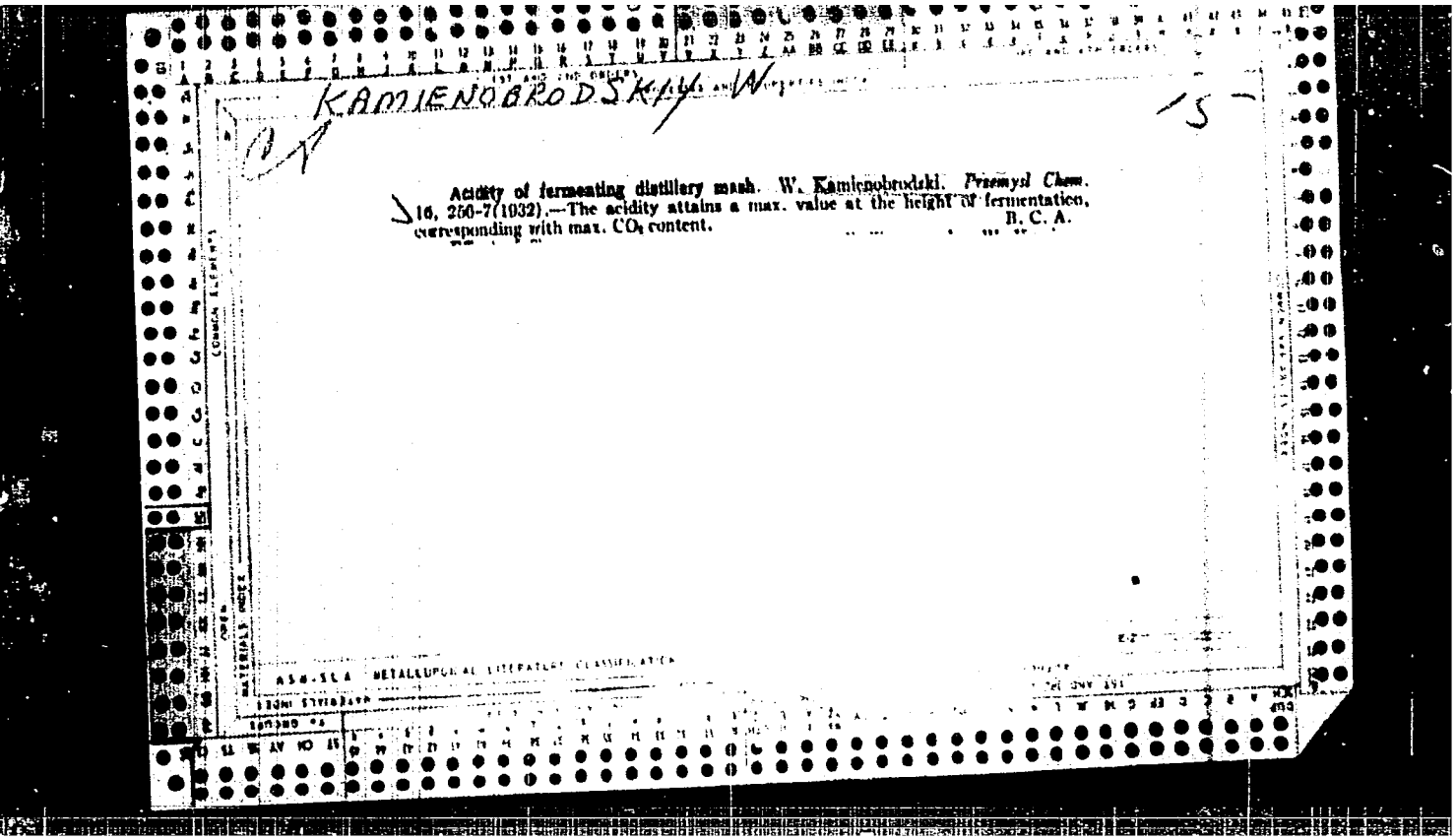


KAMIENOBRODSKIY, W.

15

Effect of filtration on results of examination of distillery mass. W. Kamienobrodskiy. Przemysł. Chem. 16, 253-6(1932).—The d. of fermented potato mash increases, and the BuOH content diminishes, with the content of particles in suspension; it is, therefore, essential that the fermented mash be thoroughly filtered before tests are made for efficiency of fermentation. H. C. A.

A S M - S L A METALLURGICAL LITERATURE CLASSIFICATION



KAMIENOBRODSKAYA, W.

Acidity of fermenting distillery mash. W. Kamienobrodski. *Przemysl Chem.* 16, 250-7(1932).—The acidity attains a max. value at the height of fermentation, corresponding with max. CO_2 content. B. C. A.

KAMIENOBRODSKIY, W.

CA

The influence of raw materials and distillation apparatus on the composition of raw alcohol. W. Kamienobrodzki and J. Schroeder. *Przeglad Chem.* 6, 201-4(1948). — Samples of alcohol made from potatoes, rye, molasses, and beet roots were distilled with 2 types of distg. app., and the following detns. made: color, fusel oil, aldehydes, acids, esters, furfurol, MeOH, and amines. Lange's method was used as a purity test. Adam Skrzynski

16

and as insula

25-32 mole% th

Card 1/2

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I001/I201

15.2141

Study of some factors...

M.A. and others, DAN BSSR, no.7, 1959). The results of investigation showed that there is no single factor conditioning the strength of adhesion. Reducing the difference in the thermal expansion between the joining elements weakens the adhesion. Decrease of viscosity in the softened state of the enamel improves the adhesion. In the studied specimens lead oxide had the greatest power on reducing viscosity in softened state of the enamel. Boride anhydride and oxides of alkali metals substituting PbO increase the visosity. In leadless enamels lithirem oxide has the greatest effect on enamel scaling. There are 2 figures and 1 table.

ASSOCIATION: Labaratoriya fizichnay Khimii tekhnologii silikataw IA Nkh AN BSSR (Laboratory of Physico-chemical Technology of Silicates of IA NKh As BSSR)

Card 2/2

BEZBORODOV, M.A. [Bezbarodau, M.A.]; MAZO, E.E.; KAMINSKAYA, V.S.

Certain factors affecting the adhesion of enamels to aluminum.
Vestsi AN BSSR. Ser. fiz.-tekh. nav. no.3:54-57 '62.
(MIRA 16:3)

MATVEYEV, M.A.; KAMINSKAYA, V.S.

Use of celestine in strontium glass-melting. Zhur.VKHO 10 no.4:459 '65. (MIRA 18:11)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I.Mendeleyeva.

MATVEYEV, M.A., prof.; MAZO, E.E.; KAMINSKAYA, V.S.

Strontium glass, its properties and use. Zhur.VKHO 10 no.5:558-565 '65. (MIRA 18:11)

KAMINSKAYA, V.T.

EXCERPTA MEDICA Sec.10 Vol.8/6 Obstetrics June55

1079. KAMINSKAYA V.T. * Nervous elements in the umbilical cord (Russian text) AKUŠ. I. GINEK. 1954, 2 (54-58) Illus. 4

A dense net of nervous terminals was found in the course of umbilical blood vessels and in the umbilical skin. It may be possible to obtain a therapeutic effect by injection of drugs into the umbilical vessels in cases of asphyxia of the newborn through stimulation of angioreceptors. Körbler - Zagreb

Chair Obstetrics & Gynecology & Chair Histology
Moscow Med. Inst.

KAMINSKAYA, V.T.

Morphology of neural receptors of the vessels of the umbilical cord and of the skin of the unbilical ring. Biul. eksp. biol. i med. 38 no.7:73-77 Jl '54. (MLRA 7:8)

1. Iz kafedry gistologii (zav. prof. S.M.Milenkov) i kafedry akusherstva i ginekologii (zav. prof. L.S.Persianinov) Minskogo meditsinskogo instituta (dir. dotsent I.M.Stel'mashonok)

(UMBILICAL cord, innervation,
neural receptors of umbilical vessels & of skin of umbilical ring)

KAMINSKAYA, V. T.

KAMINSKAYA, V. T.: "The intra-arterial transfusion of blood and pharmaceuticals in asphyxia of newborn children, and the histomorphology of the nervous apparatus of the blood vessels in the umbilical cord and in the skin of the umbilical ring." Minsk State Medical Inst. Minsk, 1955.
(Dissertation for the Degree of Candidate in Medical Sciences).

SO: Knizhnaya letopis', No 23, 1956

KAMINSKAYA, V.T., kand. med. nauk

How to prevent pregnancy. Rab. i sial. 39 no.4:24 Ap '63.
(MIRA 16:4)

(CONCEPTION—PREVENTION)

KAMINSKAYA, V.T., kand.med.nauk

Use of the nicoceptin contraceptive tablets. Zdrav. Bel. 9 no.1. 70-72 J'63. (MIRA 16:8)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. I.M. Starovoytov) Minskogo meditsinskogo instituta (rektor - A.A.Klyucharev).
(CONCEPTION—PREVENTION) (NICOTINIC ACID)

REShETOV, D.N., professor, doktor tekhnicheskikh nauk. Rukovoditel' raboty; LEVINA, Z.M.; KAMINSKAYA, V.V.; DIKUSHIN, V.I., redaktor, chlen korrespondent.

[Calculation tables for milling machine parts] Tablichnye raschety detalei stankov. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1952- v.1. [Calculation of gear and belt drive, calculation of shafts, calculation of roller bearings] (MLRA 6:7)

1. Eksperimental'nyy nauchno-issledovatel'skii institut metallorezhushchikh stankov. 2. Akademiya nauk SSSR (for Dikushin).
(Milling machines--Tables, calculations, etc.)

RESHETOV, D.N.; KAMENSKAYA, V.V.; LEVINA, Z.M.; KOTLYARENKO, L.B.; MATVEYEVA, Ye.N., tekhnicheskiy redaktor; TIKHONOV, A.Ya., tekhnicheskiy redaktor

[Calculations used in the modernization of machines] Raschety pri modernizatsii stankov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 156 p. (MLRA 9:12)
(Mechanical engineering)

AID P - 4842

Subject : USSR/Engineering

Card 1/1 Pub. 103 - 2/26

Authors : Reshetov, D. N. and V. V. Kaminskaya

Title : Rigidity of box-type parts of machine-tools and their design.

Periodical : Stan. i instr., 27 2, 3-10, F 1956

Abstract : The authors describe their special study of various thin-walled boxes used in machine-tool structural design. The general stability, vibration and performance of component parts, as well as the total effect on the precision operation of the machine, are discussed. They present the basic theoretical analysis of stresses in plates and boxes of various machine tool. Twelve graphs, 4 tables, 1 drawing and 1 photo. 3 Russian references (1948-50).

Institution : None

Submitted : No date

AID P - 5030

Subject : USSR/Engineering

Card 1/2 Pub. 103 - 1/22

Authors : Kaminskaya, V. V. and D. N. Reshetov

Title : Study of rigidity of boring and turning machines (Determination of Elastic Deformations).

Periodical : Stan. i instr., 27 (1) 4, 1-8, Ap 1956

Abstract : The authors outline methods of the investigation conducted at the Kolomna Heavy Machine-tool Plant (ZTS) with the 1532, 2N K 300, 1556 and 1553 machines to determine their rigidity. They describe the measuring instruments and the technique pursued. They checked every characteristic performance with the formulae and the actual behavior of the component parts under different circumstances. The processing of the data obtained is indicated and results and practical suggestions are given. Two tables, 5 charts, 3 graphs and 1 drawing. Two Russian references (1953-54).

KAMENSKAYA, V.V.; RESHETOV, D.N.

Design and comparative rigidity analysis of lathe beds. Stan.i instr. 28 no.2:1-9 F '57. (MLRA 10:5)
(Lathes)

PA - 3609

AUTHOR: KAMINSKAYA, V.V., PRATUSEVICH, R.M.

TITLE: The Portal Assembly of Vertical Parallel Planing and Parallel Milling Machines. (Komponovka portalov karusel'nykh, prodolno-strogalnykh i prodol'no-frezernykh stankov, Russian)

PERIODICAL: Stanki i Instrument, 1957, Vol 28, Nr 6, pp 1 - 4 (U.S.S.R.)

ABSTRACT: The selection of a rational variety of a portal assembly is determined by the rigidity of constructions, their technological properties, and by the production possibilities of the plants by which these machines are to be produced, etc. In this paper a method of calculation is recommended which makes it possible to estimate the influence exercised by the construction of stands with an upper cross beam and fundaments.

Furthermore, certain considerations are mentioned which follow from the calculation of such modern machines. A detailed calculation of the aforementioned influences is carried out on the basis of various conditions, and 3 varieties of assembling the stands with an upper crossbeam are mentioned. In conclusion, it is recommended to cast the stand with crossbeam in one piece, on which occasion particular attention should be devoted to the connection between the stand and the fundament. (3 Slavic references)

Card 1/2

PA - 3609

The Portal Assembly of Vertical Parallel Planing and Parallel Milling Machines.

ASSOCIATION: Not given
PRESENTED BY:
SUBMITTED:
AVAILABLE: Library of Congress

Card 2/2

KAMINSKAYA, V.V.; RESHETOV, D.N.

Designing and analyzing the rigidity of portals and crossheads of vertical boring and turning lathes, plano-milling and planing machines. Stan.i instr. 28 no.9:1-9 S '57. (MIRA 10:10)
(Machine tools)

KAMINSKAYA, V.V.

BARSUKOV, A.A., inzh., laureat Leninskoy premii; BORISOV, Yu.S., inzh.; VAKS, D.I., inzh.; VLADZIYEVSKIY, A.P., doktor tekhn. nauk, prof., laureat Stalinskoy premii; GINZBURG, Z.M., inzh.; GLEYZER, V.Ye., inzh.; ZORIN, V.S., inzh.; KAZAK, M.I., dots.; KAMINSKAYA, V.V., kand. tekhn. nauk; KEDRINSKIY, V.N., inzh., laureat Leninskoy premii; KUCHER, A.M., kand. tekhn. nauk; KUCHER, I.M., kand. tekhn. nauk; LEVINA, Z.M., inzh.; LUK'YANOV, T.P., inzh.; MOROZOVA, Ye.M., inzh.; NOSKIN, P.A., kand. tekhn. nauk, dots.; NIBERG, N.Ya., kand. tekhn. nauk; OSTROUMOV, G.A., inzh.; PLOTKIN, I.B., inzh.; SPIVAK, E.D., kand. tekhn. nauk; SUM-SHIK, M.R., inzh.; SHASHKIN, P.I., inzh.; SHIFRIN, S.M., inzh.; YAKOBSON, M.O., doktor tekhn. nauk, prof.; GLINER, B.M., inzh., red.; SOKOLOVA, T.F., tekhn. red.

[Handbook for mechanics of machinery plants in tow volumes] Spravochnik mekhanika mashinostroitel'nogo zavoda v dvukh tomakh. Vol.1. [Organization and design preparation for repair work] Organizatsiia i konstruktorskaia podgotovka remontnykh rabot. Otv. red. toma R.A. Noskin. 1958. 767 p. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. (MIRA 11:8)

(Machinery—Maintenance and repair)

PHASE I BOOK EXPLOITATION SOV/5102

Kaminskaya, Virineya Vasil'yevna, Zoya Mikhaylovna Levina, and Dmitriy Nikolayevich Reshetov

Staniny i korpusnyye detali metallorezhushchikh stankov. Raschet i Konstruirovaniye (Frames and Box-Shaped Parts of Metal-Cutting Machine Tools. Design and Construction) Moscow, Mashgiz, 1960. 362 p. Errata slip inserted. 5,000 copies printed.

Sponsoring Agency: Eksperimental'nyy nauchno-issledovatel'skiy institut metallorezhushchikh stankov ENIMS.

Ed. (Title page): D. N. Reshetov, Doctor of Technical Sciences, Professor; Ed. of Publishing House: A. F. Balandin; Tech. Ed.: B. I. Model'; Managing Ed. for Literature on Metalworking and Machine-Tool Making: V. I. Mitin, Engineer.

PURPOSE: This book is intended for machine-tool designers, and designers in other branches of the machine industry.

Card ~~1/10~~

COVERAGE: Frames and box-shaped parts of machine tools are discussed from the standpoint of their design and construction. Rigidity is taken as the basic criterion in the analysis of the deformation of parts and local contact deformations. General considerations and assumptions regarding the derivation of formulas and methods for engineering design are given. Also shown are the results of experiments conducted on models and actual machine tools which confirm the acceptability of suggested design methods. The classification of constructions, and the selection of optimum shapes are based on calculations which take into account the most important working-capacity criteria. Technicians P. V. Chizhova and V. A. Isayeva participated in the experiments and calculations. Yu. N. Sokolov, Candidate of Technical Sciences, wrote Section 7 of Ch. II, Section 5 of Ch. VI, and Section 4 of Ch. VIII. G. A. Levit, Candidate of Technical Sciences, developed the calculations in Section 5B of Ch. VIII. There are 79 references: 70 Soviet, and 9 German.

TABLE OF CONTENTS:

Introduction 3

KAMENSKAYA, V.V.; KUNIN, Ye.A.

Investigating and calculating the rigidity of universal boring machines. Stan.i instr. 31 no.2:1-10 F '60. (MIRA 13:5)

(Drilling and boring machinery)

25235 S/122/60/000/002/001/018
A161/A130

24 4200

AUTHORS: Kaminskaya, V. V., Candidate of Technical Sciences; Reshetov, D. N., Doctor of Technical Sciences, Professor

TITLE: Approximate torsion calculation of box-section bars with windows in walls

PERIODICAL: Vestnik mashinostroyeniya, no. 2. 1960, 3 - 7

TEXT: Windows have to be made in box-shaped frames and columns in various machines, particularly machine tools, for placing mechanisms or electric parts. It is known that the windows have a significant effect on the rigidity of box elements in torsion, but no simple and at the same time sufficiently accurate calculation method has been yet developed for thin-wall elements with windows. Such a method is suggested in the article. Approximate calculation is made for the case of a rectangular element with one window in a symmetrical position (Fig. 1). The method is applicable for other analogous problems. The solution is made assuming that 1) the proper wall torsion and bend rigidity in the weakened plane is negligibly low, and the normal and tangential stresses in the longitudinal and transverse sections through the wall thickness are evenly distributed, 2) the tangen-

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