OSIPOV, K.A.; MIROSHKINA, Ye.M.; SOTNICHENKO, A.N.

Heat resistance of Ni-Cu system alloys. Trudy Inst.met. no.3:152-159 '58. (MIRA 12:3)

(Heat-resistant alloys)
(Copper-nickel alloys)

MILLER, V.Ya.; BAZILEVICH, S.V.; RAVIKOVICH, I.M.; KHUDOROSHKOV, I.P.; Prinimali uchastiye: Vernikovskiy, K.B.; SOTNICHENKO, A.S.; PAKHOMOV, Ye.A.; BUNEYEVA, O.K.

Production of fluxed sinter using a high basicity siner as flux. Stal' 22 no.12:1057-1060 D '62. (MIRA 15:12)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat i Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki poleznykh iskopayemykh.
(Sintering)

ACCESSION NR: AP4011540 S/0170/64/000/001/0104/0109

AUTHOR: Gurevich, M. A.; Sotnichenko, B. I.

TITLE: Critical thermal conditions in combustion

SOURCE: Inzhenerno-fizicheskiy zhurnal, 7, no. 1, 1964, 104-109 53

TOPIC TAGS: solid fuel combustion, critical combustion condition

ABSTRACT: Certain general features of critical thermal conditions in an exothermic reaction in a plane layer with boundary conditions of the first order are examined. These features are important in problems of rapid transitions of ignition and extinction involving sudden jumps from low to high temperatures and back. It is shown that 1) a critical condition necessarily requires a maximum temperature within the layer; 2) a critical condition is impossible if heat yield decreases with increasing temperature or if it is independent of temperature; 3) if the heat yield depends on temperature as T^n, a critical condition is impossible if the exponent $n < 1$; and 4) the well-known Zel'dovich postulate (according to which ignition occurs on a high-temperature surface of a layer when there is no heat transfer) is invalid for any function of heat yield even as an asymptotic approximation. Orig. art. has 1 fig.

Card 1/2

ACCESSION NR: AP4011540

ASSOCIATION: Politekhnicheskiy institute im. M. I. Kalinina, Leningrad (Leningrad Polytechnic Institute)

SUBMITTED: 07Jun63 DATE ACQ: 14Feb64 ENCL: 00

SUB CODE: PH, AI NO REF SOV: 005 OTHER: 003

Card 2/2

GUREVICH, M. A.; SOTNICHENKO, B. I.

"The critical regime and stability of the thermal-combustion regime; first-kind boundary conditions."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12 May 1964.

Leningrad Polytechnic Inst.

SOTNICHINKO, L. A.; EYDEL'MAN, M. R.; GRINFEL'D, A. A.; NIKOLAYEVA, V. L.; MAKAROCHKINA, V. I.

"Data on the healthy carrier of dysentery."

Report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists. 1959

LATSINIK, Ye.Ya., prof.; SHARAPOVA, O.K.; SUSHKO, S.R.; MAZUR, D.Ye.; SOTNICHENKO, L.A.

Peculiarities in the clinical aspects of the pandemic influenza of 1957. Vrach.delo no.3:287-289 Mr '60. (MIRA 13:6)

1. Gorodskaya infektsionnaya bol'nitsa, Odessa.
(ODESSA--INFLUENZA)

GONCHARUK, G.M. [Honcharuk, H.M.], kand.med.nauk; SOTNICHENKO, L.O., prozektor

Periarteritis nodosa in children. Ped., akush. i gin. 22 no.6:27-29 '60. (MIRA 14:10)

1. Kafedra infektsionnykh bolezney detskogo vozrasta (zaveduyushchiy - dotsent N.G.Stepina [Stepina, N.H.]) Odesskogo meditsinskogo instituta im. M.I.Pirogova (direktor - zasluzhennyy deyatel' nauki USSR prof. I.Ya.Deyneka) i Klinicheskaya infektsionnaya bol'nitsa (glavnyy vrach - L.T.Zhidovlenko [Zhydovlenko, L.T.]).
(ARTERIES--DISEASES)

LATSINIK, Ye.Ya., prof.; NOTKIN, D.L., kand.med.nauk; SLOVESNIK, R.S.; SOSNOVSKAYA, L.A.; BACHINSKIY, D.Kh.; SOTNICHENKO, L.A.; KAMINSKAYA, L.I. (Odessa)

Characteristics of the clinical course of Asian flu (A^2) in the 1959 epidemic. Klin.med. 38 no.3:59-63 Mr'60. (MIRA 16:7)

1. Iz Odesskoy gorodskoy infektsionnoy bol'nitsy Leninskogo rayona (glavnyy vrach L.T.Znidovlenko).

LATSINIK, Ye.Ya., prof.; SUSHKO, S.R.; SOTNICHENKO, L.A. (Odessa)

Some characteristics of the course of dysenterial peritonitis. Klin.med. 39 no.3:62-65 Mr '61. (MIRA 14:3)

1. Iz Gorodskoy infektsionnoy bol'nitsy (glavnyy vrach L.T. Zhidovlenko).
(DYSENTERY) (PERITONITIS)

SOTNICHENKO, L.P.

Partial substitution of mold fungi for grain malt. Spirt.prom. 21 no.1:39-40 '55. (MLRA 8:5)

1. Moskovskiy spirtovyy trest.
(Molds (Botany)) (Fermentation)

SOTNICHENKO, L. P.

USSR / Chemical Technology. Chemical Products and Their Application. Carbohydrates and Refinement. I-28

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, No 10195

Author : Sotnichenko, L.P.
Inst : Not given
Title : Basic Outline ofthe Development of the Sugar Industry During the Sixth Five-Year Plan.

Orig Pub : Sakharnaya prom-st, 1956, No 5, 6-9

Abstract : No abstract.

Card : 1/1

SOTNICHENKO, L.P.

Basic means for the development of the sugar industry in the sixth five-year plan. Sakh.prom.30 no.5:6-9 My '56. (MLRA 9:9)
(Sugar industry)

SOTNICHENKO, L.P.

Work of the State Plan commission of experts on problems relative to the development of the sugar industry. Sakh.prom. 30 no.7: 77-78 Jl '56. (MLRA 9:11)

(Sugar industry)

SOTNICHENKO, L.P.

Postwar development of the sugar industry of the Ukraine. Sakh. prom. 35 no.4:77-78 Ap '61. (MIRA 14:3)
(Ukraine--Sugar industry)

SOTNICHENKO, T.S.

Conditioned vascular and food reflexes following castration. Trudy Inst.fiziol. 8:328-335 '59. (MIRA 13:5)

1. Laboratoriya interotseptivnykh uslovnykh refleksov (zaveduyushchiy - E.Sh. Ayrapet'yants) Instituta fiziologii im. I.P. Pavlova AN SSSR.
(CONDITIONED RESPONSE) (CASTRATION)

AYRAPET'YANTS, E.Sh.; VASILEVSKAYA, N.Ye.; SOTNICHENKO, T.S.

Limbic cortex and visceral reflexes. Report No.1: Condition of the interoceptive and exteroceptive alimentary and acid conditioned reflexes following extirpation of the cortex of the anterior section of gyrus cinguli. Trudy Inst. fiziol. 9:261-267 '60. (MIRA 14:3)

1. Laboratoriya interoteptivnykh uslovnykh refleksov i Laboratoriya vysshey nervnoy deyatel'nosti Leningradskogo gosudarstvennogo universiteta (zaveduyushchiy - E.Sh.Ayrapet'yants).
(CONDITIONED RESPONSE) (BRAIN)

SOTNICHENKO, T.S. (Leningrad, V-4, 6-ya liniya, 39, kv.51)

Morphological data on intracortical connections of anterior and posterior limbic and motor areas of the cat brain. Arkh. anat., gist. i embr. 43 no.8:3-10 Ag '62. (MIRA 17:8)

1. Laboratoriya morfologii (zav. - chlen-korrespondent AN SSSR prof. N.G. Kolosov) i Laboratoriya interotseptivnykh uslovnykh refleksov (zav. - prof. E.Sh. Ayrapet'yants) Instituta fiziologii imeni Pavlova AN SSSR.

DOBRYANSKAYA, Ye.; SOTNIK, A.

Driving through an incline by using deep blast holes. Mast.ugl.2 no.11:17-18 N '53. (MLRA 6:11)

1. Nauchnyy sotrudnik DonUGI (for both). (Coal mines and mining) (Blasting

SOTNIK,A.

125 meters of an inclined shaft in one month. Mast. ugl. 4 no.1:14-15 Ja '55. (MLRA 8:6)

1. Nauchnyy sotrudnik Donetskogo nauchno-issledovatel'skogo ugol'nogo instituta.
(Voroshilovgrad Province--Shaft sinking)

L 10084-67 EWT(m)/EWP(j)/EWP(k) WW/JW/RM

ACC NR: AT6026364 SOURCE CODE: UR/3209/66/000/001/0022/0027

45
43

AUTHOR: Obraztsov, V. I. (Candidate of physico-mathematical sciences); Sotnik, B. F. (Aspirant)

ORG: none

TITLE: Some experiments on increasing the actual stability of liquids

SOURCE: Ukraine. Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Mezhvedomstvennyy respublikanskiy nauchno-tekhnicheskiy sbornik, 1966. Akustika i ul'trazvuk (Acoustics and ultrasonics), no. 1, 22-27

TOPIC TAGS: ultrasonic vibration, liquid state, vapor pressure, boiling point, crystallization, solid phase, wettability, surface property

ABSTRACT: The influence of ultrasonic waves on the actual stability of various liquids over time periods up to 280 min was studied according to the method of Pease and Blinks. In this approach, ultrasonic waves agitate the liquid at the saturation pressure of the vapors and the results are given as the degree of superheat in the individual liquid. Experiments were conducted at constant temperature and at a gradual heating rate up to the boiling point of the liquid. The absolute superheat values ranged from 0 to 29°C for 12 different liquids. The ratio of absolute superheat to the difference between the boiling temperature and the crystallization temperature ranged from 0 to 0.39. With

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L 10084-67

ACC NR: AT6026364

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the exception of benzol (0.39) this ratio was relatively constant for all of the liquids (0.07 to 0.16). Some experiments were done to test the effect of finely dispersed insoluble phases on the above results. Metal chips and 2,4-dinitrophenyl hydrazine particles were added to tolyl, methyl alcohol, benzol, and ethyl ether. The absolute values of superheat did not change except for benzol. The decrease from 14 to 2°C for benzol was caused by the weak wettability of the addition (2,4-dinitrophenyl hydrazine). After the ultrasonic treatment, the test was stopped so that the liquids could be exposed to the free atmosphere, and the ultrasonic experiments were repeated; there was no change in the final results. Since the ultrasonic waves remove gases from solution, the soluble gas introduced by stopping the treatment did not affect the actual stability of the liquids. Based on these results, the experiments of Pease and Blinks on solutions of crystallizing substances were analyzed. It was concluded that cavitation occurs if the crystallizing substance has a highly wettable surface; however, this happens not because of the formation of stable surfaces as postulated by Pease and Blinks, but because of disturbances of continuity in microvolumes, which turn into cavitation centers. Orig. art. has: 3 tables.

SUB CODE: 20/ SUBM DATE: none/ OTH REF: 004

Card 2/2 blp

Machine-Tractor Stations

Our machine-tractor station is ready for the spring sowing. V pom.profaktivu, No. 3, 1952.

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

SHNEYEROV, Ya.A.; SAVCHENKOV, V.A.; PANICH, B.I.; MONAKHOVA, L.V.; SOTNIK, I.S.; SOKOLOVSKIY, P.I.; MULAN, N.I.

Using reinforcements of St.5ps semi-killed steel. Stal' 24 no.11: 1025-1030 N '64. (MIRA 18:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut metallov, TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy i Nauchno-issledovatel'skiy institut betona i zhelezobetona.

L 24799-66 EWT(m)/EWP(w)/EWA(d)/EWP(v)/T/EWP(k)/EWP(t) IJP(c) JD/HN

ACC NR: AP6011533 SOURCE CODE: UR/0135/66/000/004/0001/0004

AUTHOR: Legeyda, N. F. (Engineer); Savchenkov, V. A. (Candidate of technical sciences); Sotnik, I. S. (Engineer)

ORG: Ukrainian Scientific-Research Institute of Metals (Ukrainskiy nauchno-issledovatel'skiy institut metallov)

35
B

TITLE: Weldability of quench-hardened St. 3ps steel

SOURCE: Svarochnoye proizvodstvo, no. 4, 1966, 1-4

TOPIC TAGS: weldability, metal hardening, metal welding, impact strength, steel/ St. 3ps steel

ABSTRACT: Quench hardening of St. 3ps steel from the temperature range 890-910C increases its strength by at least 30%, lowers the cold brittleness threshold to -60C, raises the amount of pseudoeutectoid in the steel, and markedly reduces the grain size. After rolling and hardening, St. 3ps steel was found to have good weldability. Hardening considerably increases notch toughness in the weld-adjacent zone at low temperatures, lowers the nil ductility transition temperature (NDT), widens the range of efficient welding conditions, and lowers the sensitivity of the steel to arc burns. St. 3ps welded after hardening is resistant to the development of cracks in the weld-adjacent zone. [NT]

SUB CODE: 11/ SUBM DATE: none/

Card 1/1

L 1302-66 EWT(m)/EWP(w)/EPF(n)-2/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/
EWA(c) IJP(c)
ACCESSION NR: AP5022348 JD/WW/JG/HM UR/0135/65/000/009/0013/0015
621.791.011:546.831:669.15-194

AUTHOR: Savchenkov, V. A. (Candidate of technical sciences); Sotnik, I. S. (Engineer); Kovalenko, V. S. (Engineer)

TITLE: Effect of zirconium on the weldability of low-carbon steel

SOURCE: Svarochnoye proizvodstvo, no. 9, 1965, 13-15

TOPIC TAGS: zirconium, low carbon steel, weldability, brittleness, impact strength, rupture strength, ferrite, pearlite

ABSTRACT: To clarify the conflicting available data on the effect of zirconium on the weldability of low-carbon steel, the author investigated the effect of Zr on the properties of the metal of the near-weld zone, weld metal, and welded-joint metal, as well as on the resistance of the weld metal to the formation of hot cracks. Microstructural examination of specimens taken from 11 experimental melts containing different percentages of Zr (0.05 to 0.35%) revealed that in all cases the structure was ferritic-pearlitic. The properties (impact toughness and the temperature of brittle fracture) of the metal of the near-weld zone were

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L 1302-66

ACCESSION NR: AP5022348

investigated by means of impact tests of notched specimens (notched at the fusion line). It was found that in the specimens containing more than 0.1% Zr the impact strength and yield point decrease while the critical temperature of brittle fracture increases, as a result of the decrease in the amount of the pearlitic component, owing to the formation of zirconium carbide and the increase in the brittleness of Zr-alloyed ferrite. The properties of welded joints and weld metal were determined by means of tensile, bending, and impact tests of manually and automatically butt-welded specimens containing from 0.05 to 0.60% Zr and were found to follow the same pattern as in the case of the metal of the near-weld zone: as the percentage of Zr increases, impact toughness decreases and critical temperature of brittle fracture increases and the weld metal's resistance to the formation of hot cracks decreases. Conclusion: zirconium adversely affects the weldability of steel. Orig. art. has: 4 figures, 2 tables.

ASSOCIATION: [Sotnik] Ukrainskiy institut metallov (Ukrainian Institute of Metals); [Kovalenko] Donetskiy institut chernoy metallurgii (Donetsk Institute of Ferrous Metallurgy)

SUBMITTED: 00 ENCL: 00 SUB CODE: MM, IE

NO REF SOV: 004 OTHER: 000

Card 2/2

SOTNIK, R.K.

Adapting the VAKOPP electric saw for sawing thick lumber. Rats. i izobr.predl.v stroi. no.50:4-6 '53. (MLRA 7:2)
(Saws)

SOTNIK, P.

Ways for increasing the profitableness of the tanker fleet.
Mor. flot 25 no.2:12-13 F '65. (MIRA 18:4)

1. Kapitan teplokhoda "Ashkhabad" Novorossiyskogo upravleniya nefteflota.

GAMMEIMAN, A.F., doktor farm. nauk, prof.; SOTNIK, V.F.

Maps of the distribution of some medicinal plants. Trudy Len. khim.-farm. inst. no.17:24-28 '64. (MIRA 18:1)

SOTNIK, Yu.V.

With the medical personnel of the Caspian. Zdorov'e 6 no.10:29 O '60. (MIRA 13:9)

(CASPIAN SEA--FISHERMEN--MEDICAL CARE)

SOTNIKOV, A.A.

Assistance to designers. Standartizatsiia no.3:69-71 My-Je '56.
(MLRA 9:9)

1.Rukovoditel' gruppy inspektsii OGK po traktorostroyeniyu.
(Cheliabinsk--Machinery--Design)

SOTNIKOV, A.A., dots.,kand.voyennykh nauk, polkovnik; SERGEYEV, Yu.D., polkovnik; MURZAYEV, N.I., red.; ZUDINA, M.P., tekhn. red.

[Military use of rocket weapons] Boevoe primenenie raketnogo oruzhiia. Moskva, Voenizdat, 1964. 75 p. (MIRA 17:2)

SMIRNOV, A.I.; SOTNIKOV, A.A.

Impermeability of grey cast iron for castings of hydraulic equipment parts. Lit. proizv. no.4:25-27 Ap '64. (MIRA 18:7)

SMIRNOV, A.I.; SOTNIKOV, A.A.

Airtightness of gray cast iron for casting hydraulic system parts. Lit. proizv. no.6:27-29 Je '64. (MIRA 18:5)

BROVKINA, Ye.P.; SMIRONOV, A.I.; GRISHCHUK, N.S.; DOTSENKO, P.V.; SOTNIKOV, A.A.

Effect of sulfur on the wear-resistance of cast iron. Izv.vys. ucheb.zav.; chern. met. 8 no.4:183-185 '65. (MIRA 18:4)

1. Odesskiy politekhnicheskiy institut.

SOTNIKOV, A G.

101-58-2-7/8

AUTHORS: Pochivalov, V.P.; Malyasov, A.D.; Sotnikov, A.G. (Volkhov Plant)

TITLE: Reconstruction of Rotary Cement Kilns at the Volkhov Aluminum Plant (Rekonstruktsiya vrashchayushchikhsya tsementnykh pechey na Volkhovskom alyuminiyevom zavode)

PERIODICAL: Tsement, 1958, Nr 2, pp 27-30 (USSR)

ABSTRACT: The article provides information on the method recently applied for the reconstruction of rotary cement kilns by enlarging them from 3.0/2.7/3.0 x 127.5 m to 3.6/3.0/3.6 x 127.5 m. The reconstruction work was carried out by the Leningrad machine building plants. The time required for rebuilding two kilns was 28 and 21.5 days respectively. As the kilns had to be taken apart for reconstruction outside the building, many technical problems had to be solved, such as the use of railroad cranes on specially built tracks, the lowering and raising of pillars, the reinstallation of the rebuilt kilns, etc. When put into operation, each of the reconstructed kilns reached an output of 25 tons of clinkers per hour. There are 4 figures.

ASSOCIATION: Volkhovskiy alyuminiyevyy zavod (Volkhov Aluminum Plant)

AVAILABLE: Library of Congress

Card 1/1 1. Cement-Production 2. Rotary cement kilns-Construction

NIKITIN, Yu.P.; YESIN, O.A.; KHLYNOV, V.V.; SOTNIKOV, A.I.; KOROTCHENKOV, A.A.

Electrochemical investigation of the burning out of carbon. Izv. vys. ucheb. zav.; chern. met. 5 no.5:16-24 '62. (MIRA 15:6)

1. Ural'skiy politekhnicheskiy institut.
(Liquid metals)
(Electrochemical analysis)

NIKITIN, Yu.P.; YESIN, O.A.; SOTNIKOV, A.I.

Ferrotungsten recovery from waste slags with the help of electric currents. Izv. vys. ucheb. zav.; chern. met. 6 no.2:12-15 '63. (MIRA 16:3)

1. Ural'skiy politekhnicheskiy institut.
(Slag)
(Iron-tungsten alloys)
(Electrocapillary phenomena)

SOTNIKOV, A.I.; YESIN, O.A.; NIKITIN, I.P.

"On Slow Discharge in Molten Oxides."

Report presented at the 14th meeting CITCE, Intl. Comm. of Electrochemical Thermodynamics and Kinetics, Moscow, 19-25 Aug 63.

Polytechnical Institute, Sverdlovsk, U.S.S.R.

SOTNIKOV, A.I.; YESIN, O.A.; NIKITIN, Yu.P.

Electrochemical investigation of the decarburization reaction in kinetic conditions. Izv. vys. ucheb. zav.; chern. met. 6 no.8:19-23 '63. (MIRA 16:11)

1. Ural'skiy politekhnicheskiy institut.

SOTNIKOV, A.I.; YESIN, O.A.; NIKITIN, Yu.P.

Chemical polarization at high temperatures. Dokl. AN SSSR 152 no.5:1173-1176 O '63. (MIRA 16:12)

1. Ural'skiy politekhnicheskiy institut im. S.M.Kirova. Predstavleno akademikom A.N.Frumkinym.

YESIN, O.A.; SOTNIKOV, A.I.; NIKITIN, Yu.P.

Temperature dependence of the double layer capacity in molten oxides. Dokl. AN SSSR 158 no.5:1149-1151 O '64. (MIRA 17:10)

1. Ural'skiy politekhnicheskiy institut im. S.M.Kirova. Predstavleno akademikom A.N.Frumkinym.

SOTNIKOV, A.I. (Sverdlovsk); YESIN, O.A. (Sverdlovsk); NIKITIN, Yu.P. (Sverdlovsk)

Studying the kinetics of the desulfuration of cast iron by slag, by the method of alternating current polarization. Izv. AN SSSR. Met. no.1:32-38 Ja-F '65. (MIRA 18:5)

FARNIYEVA, O.V.; SOTNIKOV, A.I. [Sotnykov, O.I.]

Method for feeding the adhesive melt in folding the edges of shoe-upper parts. Leh. prom. no.4:48-49 O-D '65. (MIRA 19:1)

SOTNIKOV, A.M.

Mongolian pika in the northeastern Balkash region. Izv.AN Kazakh.SSR.Ser.zool.no.6:133-134 '47. (MLRA 9:6)
(Balkhash region--Pikas)

SOTNIKOV, A. V.

Chemical and mechanical denudation in the lowlands of the Caspian region. A. V. Sotnikov. *Izvest. Akad. Nauk Kazakh. S.S.R.* No. 121, *Ser. Geol.* No. 16, 85–91 (1953)(in Russian).—The mech. and chem. factors involved in erosion of the land are considered. The changes of mineralization of the waters of the Volga River at Stalingrad and at Astrakhan were studied. It was found that the chem. denudation of the region annually decreases the earth's surface by approx. 0.014 mm., i.e., by 1 m. per 70,000 years. Data for both mech. and chem. erosion are given in tables. Gladys S. Macy

SOTNIKOV, A.V.

The character of the hydrochemical drainage of the Turgai and the Irgiz rivers. A. V. Sotnikov. *Vestnik. Akad. Nauk Kazakh. S.S.R.* 13, No. 6, 71-8(1957).—The dry residue upon evapn. is analyzed at various dates over a period of two years for Ca, Mg, N + K, SO_4^{--}, Cl^-, HCO_3^-, and from the data obtained the amounts of NaCl, Na_2SO_4, $MgCl_2$, $MgSO_4$, $Mg(HCO_3)_2$, $CaSO_4$, $Ca(HCO_3)_2$ removed from the land at various periods of the year are calcd.

Werner Jacobson

SYDYKOV, Zh.S.; SOTNIKOV, A.V.

Formation of the chemical composition of Albian artesian waters in the Mugodzhar Hills region. Izv.AN Kazakh.SSR.Ser.geol. no.4: 65-78 '58. (MIRA 12:4)
(Mugodzhar Hills region--Water, Underground)

SOTNIKOV, A.V., SYDYKOV, Zh.

Mineral waters in the northern Aral Sea region and their formation.
Izv. AN Kazakh. SSR. Ser. geol. no.2:102-111 '60.
(MIRA 13:8)
(Aral Sea region--Mineral waters)

PAVLOV, A.; PAKHOMOV, K.; LOBACHEVSKIY, S.; SOTNIKOV, B.; KALININ, F.

People of the seven-year plan. Stroitel' no.2:10-11 F '60.
(MIRA 13:5)

1. Nachal'nik otdela truda i zarplaty tresta Magnitostroy (for Sotnikov). 2. Nachal'nik Nauchno-issledovatel'skogo sektora tresta Magnitostroy (for Lobachevskiy). 3. Brigadir kompleksnoy brigady konechnoy produktsii tresta Mosstroy-17 (for Kalinin).
(Construction workers)

SOTNIKOV, B.; PEPRINTSEVA, N.

Worthy of the high rank. Stroitel' 8 no.5:14 My '62. (MIRA 15:7)
(Magnitogorsk—Building)

LORBERG, M.G., inzhener; MINAYEV, A.F. (Leningrad); SOTNIKOV, B.I.; ENGEL', B.V.; RADOSTAYEV, N.I.; VOROB'YEV, A.S.; MINASYAN, I.S.; BAKSHEYEVA, S.I. (Moskva); KOROCHANSKIY, V.K. (Moskva).

Combined work teams as an untapped resource in raising labor productivity. Stroi. prom. 33 no.11:5-14 N '55. (MLRA 9:2)

1.GPI Leningradskiy Promstroyproyekt (for Lorberg).2.Magnitostroy (for Sotnikov).3.Liskhimpromstroy (for Engel').4.Tagilstroy (for Radostayev).5.Trest Kaspmorstroy (for Vorob'yev). 6.Stroitel'noye upravleniye No.3 tresta Azbeftezavodstroy (for Minasyan).
(Construction industry)

SOTNIKOV, F. F.

Afforestation - Ukraine

Results of persistent work . Les i step', no. 4, 1952.

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

SUNIKOV, F. I.

School Excursions

Excursion to a coal pit. Khim.v. shkole, no. 3, 1952.

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

BOGOLYUBSKIY, N.; BORISOV, S.; GRIGOR'YEV, N.; GUSAROV, M.; GUSEV, L.; ZHAROV, S.; ZHETVIN, N.; ZALOGIN, S.; ZOLOTOV, G.; INOZEMTSEV, N.; KLEMENT'YEVA, A.; KOMAROV, A.; KOSMACHEV, V.; LAPTEV, V.; LOMONOSOV, V.; MIKHAYLOV, A.; NOVIKOV, I.; PERTSEV, M.; PROKOPOVICH, P.; ROMANOV, I.; RUBLINSKAYA, R.; SVIRIDOV, G.; SOTNIKOV, G.; SUBBOTIN, A.; TURTANOV, I.; CHESNOKOV, S.; CHICHKIN, K.; CHIKHANOV, I.

Grigorii Markelovich Il'in; an obituary. Metallurg 3 no.10:36 O '58. (MIRA 11:10)

(Il'in, Grigorii Markelovich, 1894-1958)

VATSURA, A., inzh.; SOTNIKOV, I.

Hot air ventilation unit for drying ear corn. Muk.-elev.prom.26 no.5:18-19 My '60. (MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov yego pererabotki.

(Corn(Maize)--Drying)

SOV/137-57-11-22515

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 11, p 269 (USSR)

AUTHOR: Sotnikov, I.

TITLE: An Investigation of the Microstructure of BN Babbitt (Mikrostrukturnoye issledovaniye babbita "BN")

PERIODICAL: Sb. nauchno-issled. rabot stud. Stavropol'sk. s.-kh. in-t, 1956, Nr 4, pp 162-168

ABSTRACT: The results of investigations conducted confirm the necessity for strict observance of the engineering procedure recommended for melting babbitt and casting bearings.

P.N.

Card 1/1

SOTNIKOV, I. A. PA 42/49T24

USSR/Engineering Feb 49
Locomotives
Steam Boilers

"Gas Burning in Locomotive and Locomobile Boilers," I. A. Sotnikov, Energoproyektneft, 4 pp

"Energet Byul" No 2

Tests were conducted on a remodeled FD-type locomotive. Fuel was natural petroleum gas, and about 900 cu m per hour per boiler were necessary to process 10 tons of steam per hour. Describes system developed whereby gas could be burned for maximum effect.

42/49T24

SOTNIKOV, I.A.

Removing oil from the condensate. Energ.biul. no.10:20-22 O '57.
(MIRA 10:10)

(Feed-water purification)

SOTNIKOV, I.A.

94-3-3/26

AUTHOR: Sotnikov, I.A., Engineer.

TITLE: A Condensate Tank with Automatic Removal of Settled Oil (Kondensatnyy bak s avtomaticheskim udaleniyem otstoyennogo masla)

PERIODICAL: Promyshlennaya Energetika, 1958, Vol.13, No.3, pp. 5 - 8 (USSR)

ABSTRACT: In oil refineries, condensate is often contaminated with petroleum products. The Ministry of Power Stations (Ministerstvo elektrostantsiy) requires that condensate returned to a heat and electric power station should contain not more than 10 mg/litre of oil, but in practice the figure is often exceeded. This article discusses and describes the design of settling tanks used to remove oil from condensate. The separation is best when the water is hot, when the standing time is long and the rate of flow of the condensate is not too great. A settling tank for a flow of 25 - 30 m^3/hour is illustrated diagrammatically in Fig.1. The condensate is received at a temperature of 85 - 95 °C. A barrier in the tank divides it into two sections. It can easily be arranged to withdraw oil from the tank automatically.

A schematic diagram of a condensate station to handle 500 - 600 m^3/hour is given in Fig.2. If the ground levels are favourable for gravity flow, it is best to instal one condensate

Card 1/2

94-3-3/26

A Condensate Tank with Automatic Removal of Settled Oil

station for the entire output. The station illustrated in Fig.2 has four metal tanks each of 400 m^3/hour. Three are settling tanks and the fourth is a clean condensate receiver. The tanks are so connected that the three settlers can work in series or in parallel.
There are 4 figures.

ASSOCIATION: Giproneftezavod

AVAILABLE: Library of Congress
Card 2/2

BOCHAROV, V.I., inzh., otv. za vypusk; SHESTAKOV, A.N., inzh.; FROLOV, K.I., inzh.; SOTNIKOV, I.A., inzh.; SYSOYENKO, N.A., inzh.; MOISEYEVA, V.G., inzh.; SIMAKOV, V.M., inzh.; PREDKOV, A.G., inzh.; KHITROVA, N.A., tekhn. red.

[Album of drawings of electric machinery and transformer equipment for the VL60 electric locomotive] Al'bom chertezhei elektricheskikh mashin i transformatornogo oborudovaniia elektrovoza VL60. Moskva, Transzheldorizdat, 1963. 353 p. (MIRA 16:12)

1. Novocherkasskiy elektrovozostroitel'nyy zavod.
(Electric locomotives--Design and construction)

SOTNIKOV, I., kand.tekhn.nauk

Train specialization on graphic train sheets. Zhel.dor.transp. 36 no.6:43-46 Je '55. (MIRA 12:4)
(Railroads--Making up trains)

SOTNIKOV, I.B.

SOTNIKOV, I.B., dots., kand. tekhn. nauk.

The efficiency of various systems of operating locomotives. Trudy MIIT no.86:167-203 '57. (MIRA 11:1)
(Locomotives)

SOTNIKOV, I.B., kand.tekhn.nauk, dotsent

Specialization of freight train timetables. Trudy MIIT no.113:142-156 '59. (MIRA 14:5)
(Railroads--Timetables) (Railroads--Freight)

KOCHNEV, Fedor Petrovich, doktor tekhn.nauk, prof.; MAKSIMOVICH, Boris Mikhaylovich, kand.tekhn.nauk, dotsent; SOTNIKOV, Isaak Bentsionovich, kand.tekhn.nauk, dotsent; SIMONOV, K.S., kand.tekhn.nauk, retsenzent; MANYUKOV, G.S., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Problems concerning the organization of train movement] Voprosy organizatsii dvizheniia poezdov. Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 211 p. (MIRA 14:6)

(Railroads—Traffic)
(Railroads—Signaling)

SOTNIKOV, I.B., dotsent

Through train timing for long hauling distances. Trudy MIIT no.161:92-113 '63. (MIRA 17:4)

SOTNIKOV, I.B., kand.tekhn.nauk; SAMARINA, N.A., kand.tekhn.nauk

Fast-freight trains and the train sheet. Zhel.dor.transp. 47 no.4:29-32 Ap '65. (MIRA 18:6)

SOTNIKOV, I.B., dotsent, kand. tekhn. nauk

Designating permanent basic train pathes in the train sheet. (MIRA 18:6)
Trudy MITT no.203:103-121 '65.

L 12889-63 EPF(c)/EWP(j)/EWT(m)/BDS ASD/AFFTC Pr-4/Pc-4 RM/WW

ACCESSION NR: AP3001425 S/0138/63/000/004/0001/0005

AUTHOR: Shatalov, V. P.; Gostev, M. M.; Kry*lova, I. A.; Artemov, V. M.; Shestakova, O. G.; Korbanova, Z. N.; Slukin, A. D.; Sotnikov, I. F.; Torbinskiy, A. N.

TITLE: Low-temperature polymerized butadiene-styrene rubber with a carbon black-oil filler

SOURCE: Kauchuk i rezina, no. 4, 1963, 1-5

TOPIC TAGS: polymerization, carbon black filler, oil filler, butadiene rubber, styrene rubber

ABSTRACT: Studies were conducted on the preparation of stable dispersions of various types of carbon black, with and without surface-active substances. The latter included potassium rosinate, Leukanol, and ammonium caseinate. The dispersions were prepared in ball mills, in jet mills, and by means of a vibrator. The kinetic and aggregate stability of the dispersions were determined. Potassium rosinate and Leukanol produced dispersions which did not separate for several days. The oil emulsion was prepared with the aid of stearic acid and triethanolamine. The carbon black dispersion was mixed with the latex of butadiene-styrene rubber

Card 1/2

L 12689-63
ACCESSION NR: AP3001425

and into it was introduced the oil emulsion. The coagulation of this mass was best achieved by pouring it into a 9% solution of sodium chloride containing 7% sulfuric acid at 40C. It was found that the introduction of carbon black into the latex previous to coagulation had a favorable effect on the technological properties of the vulcanizates and permitted the processing of rubbers with a higher molecular weight. The KhAF brand of carbon black and the use of potassium rosinate as emulsifier produced vulcanized rubbers of superior strength and abrasive properties, with a higher modulus of elasticity and with a better adhesion to the cord. Pasy*nkov, N. V., Bondaryev, A. Ye., and Gergasevich, T. V. participated in the work. Orig. art. has: 3 tables.

ASSOCIATION: Voronezhskiy zavod sinteticheskogo kauchuka i Voronezhskiy shinny*y zavod (Voronezh Synthetic Rubber Plant and Voronezh Tire Plant)

SUBMITTED: 00 DATE ACQ: 30May63 ENCL: 00

SUB CODE: 00 NO REF SOV: 002 OTHER: 002

Card 2/2

SHATALOV, V.P.; KHLOPOTUNOV, G.F.; SLUKIN, A.D.; ZHIL'NIKOV, V.I.; SOTNIKOV, I.F.

Investigating the process of colophony hydrogenation on a palladium catalyst. Gidroliz. i lesokhim. prom. 17 no.6:22-24 '64. (MIRA 17:12)

L 10183-66 EWT(m)/EWP(j)/T RPL WW/RM

ACC NR: AP5028492 SOURCE CODE: UR/0286/65/000/020/0066/0067

AUTHORS: Angert, L. G.; Kuz'minskiy, A. S.; Kovrizhko, L. F.; Piotrovskiy, K. B.; Rayevskiy, A. B.; Sotnikov, I. F.; Ivanova, Z. V.

ORG: none

TITLE: Method for obtaining synthetic rubber. Class 39, No. 175659 [announced by Voronezh Factory for Synthetic Rubber im. S. M. Kirova (Voronezhskiy zavod sinteticheskogo kauchuka)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 20, 1965, 66-67

TOPIC TAGS: rubber, synthetic rubber, polymer, copolymer styrene, butadiene

ABSTRACT: This Author Certificate presents a method for obtaining synthetic rubber via an aquo-emulsion copolymerization of butadiene with styrene or α-methyl styrene in the presence of known emulsifiers, initiators, regulators, and buffers and with the use of polymerization terminators. The latter are introduced into the system after obtaining the desired degree of monomer conversion. To increase the variety of polymerization terminators, oxyneozone is used as polymerization terminator. The polymerization process may also be terminated by using oxyneozone along with known polymerization terminators, e.g., sodium dimethyldithiocarbamate.

SUB CODE: 11/ SUBM DATE: 14Jul64

UDC: 678.762.2-134.622

Card 1/1

KRYLOVA, I.A.; GOSTEV, M.M.; KOVRIZHKO, L.F.; ZUBOV, P.I.; POSPELOVA, K.A.; PAVLYNKOV, N.V.; SOTNIKOV, I.F.

Effect of surface-active agents on the strength characteristics of the vulcanizates of carbon black extended SKA-30APK rubber. Kauch. i rez. 24 no.12:13-14 '65. (MIRA 18:12)

1. Institut fizicheskoy khimii AN SSSR i Voronezhskiy zavod sinteticheskogo kauchuka im. S.M. Kirova.

L 05648-67 EWT(m)/EWP(j) IJP(c) RM

ACC NR: AP6026759 (A) SOURCE CODE: UR/0138/66/000/005/0003/0004

AUTHOR: Gostev, M. M.; Bryantsev, V. V.; Kovrizhko, L. F.; Sotnikov, I. F.; Korbanova, Z.N.; Latynina, S.L.; Shestakova, O.G. 36 B

ORG: Voronezh Synthetic Rubber Plant (Voronezhskiy zavod sinteticheskogo kauchuka); Voronezh Tire Plant (Voronezhskiy shinnyy zavod)

TITLE: Oil-extended stereoregular cis-1,4-butadiene rubber 15

SOURCE: Kauchuk i rezina, no. 5, 1966, 3-4

TOPIC TAGS: polybutadiene, filler, plasticizer, vulcanization

ABSTRACT: The conditions of preparation of oil-extended cis-1,4-polybutadiene and the relationship between the methods of extending the rubber and the properties of the rubber mix and vulcanizates were studied. Aromatic PN-6 and tall oil were used as plasticizers and fillers. The properties of the oil-extended rubbers were studied in a special tread mix of the composition (in pts. by wt.): cis-1,4-polybutadiene 100; sulfur 1.6; Santocure 0.9; zinc oxide 3.0; product 4010NA 0.5; Antilux 1.0; KhAF-type carbon black (Vulcan 3) 60.0; oil 13.0. The workability of the mixes was determined from their millability. The tread mixes were vulcanized at 143°C. Rubbers obtained by introducing the oil at the solution stage displayed a better workability than those prepared by adding the oil in the mixer; their tensile strength and resistance to crack propagation were also higher. It is concluded that the good workability of oil-extend-

Card 1/2 UDC: 678.762.2(+665.583).004.12

L 05648-67

ACC NR: AP6026759

ed rubbers permits the preparation of tread mixes from 100% cis-1,4-polybutadiene. Orig. art. has: 1 table.

SUB CODE: 11/ SUBM DATE: 06Nov65/ ORIG REF: 002/ OTH REF: 010

Card 2/2

UR/5 1413

L 33326-66 EWT(m)/EWP(j) IJP(c) RM

ACC NR: AP6021772 SOURCE CODE: UR/0413/66/000/012/0032/0032

33

INVENTOR: Shatalov, V. P.; Velikanova, L. A.; Volovodov, A. I.; Kovrizhko, L. F.; Kudryavtsev, L. D.; Sotnikov, I. F.; Kozlova, M. N.

ORG: none

TITLE: Catalyst for the hydrogenation of ethylbenzene to styrene. Class 12, No. 182697 [announced by Voronezh Synthetic Rubber Plant im. S. M. Kirov (Voronezhskiy zavod sinteticheskogo kauchuka)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 12, 1966, 32

TOPIC TAGS: dehydrogenation, ethylbenzene, styrene, improved catalyst

ABSTRACT: An Author Certificate has been issued for an improved catalyst for the dehydrogenation of ethylbenzene to styrene. To increase the activity and mechanical strength of iron, chromium, potassium and calcium oxide-based catalyst, the method provides for the addition of 5—10% magnesium oxide to the composition. [BO]

SUB CODE: 07/ SUBM DATE: 17May65/ ATD PRESS: 5026

Card 1/1 UDC: 66.094.187.3

ROZANTSEV, Ye.S.; UMRIKHIN, A.N.; SOTNIKOV, I.V.

Searching for and improving methods to control sudden outbursts in development workings. Vop.bezop.v ugol'.shakh. 4:75-100 '64. (MIRA 18:1)

SOTNIKOV, L.

The master miner is the innovator's assistant. Mast.ugl.3:12-13 Mr '54. (MLRA 7:4)

1. Gornyy master shakhty "Krasnaya zvezda" kombinata Stalinugol'. (Coal mines and mining)

GINZBURG, A.G.; OSTAPENKO, K.A.; BURDOV, A.N.; MELIKHOV, A.D.; ZINOV'YEV, B.; LABINOV, A.P.; SOTNIKOV, L.D.; POTAPOV, N.M.; KHRAMTSOV, V.V.

Information and brief news. Veterinariia 41 no.1:117-126 Ja '64. (MIRA 17:3)

SINEL'NIKOV, A.S.; TEREKHOV, S.L.; SOTNIKOV, M.A.

Studying the descent of fuel and movement of gases in shale retorts using nonworking models. Trudy VNIIPS no.6:51-63 '58. (MIRA 11:8)

(Gas retorts) (Oil shales)

ZASYPKIN, I.G.; SOTNIKOV, M.A.

For the saving of electric power. Prom. energ. 16 no.4:9-11 Ap '61. (MIRA 14:9)

(Karaganda Province—Electric power)

BEZMOZGIN, E. S.; NEMCHENKO, A. G.; SOTNIKOV, M. A.; SHAPIRO, R. N.

Temperature and pressure distribution in the separate zones of shale gas generators. Trudy VNIIT no. 11:35-41 '62. (MIRA 17:5)

POLOZOV, V.F.; ZAPEVALOV, N.V.; SOTNIKOV, M.A.; KOLODIN, L.A.; [illegible]

Breaking down kerosine in momentary intermittent electric arcs.
(MIRA 18:2)
Trudy VNIIT no.13:45-65 '64.

SOTNIKOV, N.A., inzh.

Concerning P.L.Galerkin's article "Causes complicating work in the establishment of an optimal power factor." Prom. energ. 20 no.8:17-18 Ag '65. (MIRA 18:8)

SOTNIKOV, N. L.

28445

Ulychshim ispolbzovaniye oborotnykh sryedstv shvyenykh fabrik. Lyegkaya prom-stv, 1949, No. 8. S. 4-5

G. Kozhyevyennaya promyshlyennostb. Obuvnaya promyshlyennostb. Shornoyeproizvodstvo.

SO: LETOPIS No. 34

SOTNIKOV, N.L.

The specialization of sewing plants is a way to mobilize industry's hidden potentialities. Leg.prom 15 no.4:4-12 Ap'55. (MLRA 8:7)
(Clothing industry)

SOTNIKOV, N.L.

SOTNIKOV, N.L.; VARSHAVSKAYA, L.S., redaktor; KOGAN, V.V., tekhnicheskiy redaktor

[Specialization and cooperation in the sewing industry] Spetsializatsiia i kooperirovanie v shveinoi promyshlennosti. Moskva, Gos. nauchno-tekhn.izd-vo M-va legkoi promyshl. SSSR, 1957. 63 p. (MLRA 10:8)
(Clothing industry)

SOTNIKOV, N.L.

Prospects for the development of the clothing industry in 1959-1965. Shvein. prom. no.1:4-10 Ja '59. (MIRA 12:6)
(Clothing industry)

SOTNIKOV, N.L.; KARELIN, B.D.; KHRAMOVA, N.A.

Eliminating the shop as a unit in clothing factories in Moscow and Moscow Province. Shvein.prom. no.3:7-10 My-Je '59. (MIRA 12:9)

(Moscow Province--Clothing industry--Management)
(Moscow--Clothing industry--Management)

SOTNIKOV, N.L.

Basic directions in the expansion of the clothing industry for the 1959-1975 period. Shvein.prom. no.1:1-3 Ja-F '60. (MIRA 13:6)
(Clothing industry)

KARELIN, B.; SOTNIKOV, N.

Measuring production volume and labor productivity in the clothing industry. Biul. nauch. inform.: trud i zar. plata 4 no.1:23-27 '61. (MIRA 14:3)

(Clothing industry--Labor productivity)

SOTNIKOV, N.L. (Moskva)

Creation of consolidated firms in the clothing industry.
Shvein.prom. no.6:10-15 N-D '62. (MIRA 15:12)
(Industrial organization)
(Clothing industry)

SOTNIKOV, N.L. (Moskva)

Improving the planning in the clothing industry. Shvein. prom. no.3:23-28 My-Je '63. (MIRA 16:8)

SOTNIKOV, N.L. (Moskva)

New norms for the processing costs of mass-produced clothing. Shvein. prom. no.5:1-4 S-O '63. (MIRA 16:12)

SOTNIKOV, N.Ya., mostovoy master (st.Morshansk, Moskovsko-Ryazanskoy dorogi)

Painting bridges. Put' i put. khoz. no.5:8 My '59. (MIRA 12:8)

(Painting, Industrial) (Railroad bridges)

SOTNIKOV, O.S.

Some data on the statics and dynamics of the structure of the Schmidt-Lantermann incisures. Arkh.anat.gist. i embr. 48 no.3:31-42 Mr '65. (MIRA 18:6)

1. Kafedra normal'noy anatomii (zav. - prof. V.N.Murat) i kafedra fiziologii (nachal'nik - doktor med.nauk A.S.Mozzhukhin) Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova.

KIYATKIN, Petr Filippovich; SOTNIKOV, Petr Dmitriyevich; MURAKAYEVA, A., red.; ABBASOV, T., tekhn. red.

[Increase wool yields from Gissar sheep] Povysit' shersthnuiu produktivnost' u ovets gissarskoi porody. Tashkent, Gosizdat UzSSR, 1962. 24 p. (MIRA 16:5)
(Uzbekistan--Sheep)

DISTLER, G.I.; SOTNIKOV, P.S.; KORTUKOVA, Ye. I.

Effect of the structure of polyvinyl alcohol films on the mechanism of their pyrolysis. Dokl. AN SSSR 156 no. 3:652-653 '64. (MIRA 17:5)

1. Institut kristallografii AN SSSR. Predstavleno akademikom V.A.Karginym.