

L 07925-67 EWT(m)/EWP(t)/ETI IJP(c) JD
ACC NR: AP6033385 SOURCE CODE: UR/0075/66/021/008/0980/0984

22
B
1

AUTHOR: Grushina, N. V.; Tsevun, V. I.; Khrapchenkova, G. V.;
Yerdenbayeva, M. I.; Kozin, L. F.

ORG: Institute of Chemical Sciences, AN KazSSR, Alma-Ata (Institut khimicheskikh nauk AN KazSSR)

TITLE: Determination of impurities in high-purity cadmium 27

SOURCE: Zhurnal analiticheskoy khimii, v. 21, no. 8, 1966, 980-984

TOPIC TAGS: cadmium, cadmium metal, impurity determination, high purity cadmium, cadmium nitrate

ABSTRACT: A method has been developed for the spectrochemical determination of 10^{-4} — $10^{-6}\%$ impurities in cadmium after their concentration by coprecipitation with cadmium diethyldithiocarbamate. The method was applied to the analysis of high-purity cadmium metal and cadmium nitrate. The relative experimental error is $\pm 25\%$. Orig. art. has: 2 figures and 3 tables. [Authors' abstract]

SUB CODE: 07/ SUBM DATE: 23Nov64/ ORIG REF: 007/ OTH REF: 001/

Card 1/1 vmb

KAYNARSKIY, I.S.; DEGTYAREVA, E.V.; PINDRIK, B. Ye.; KUKHTENKO, V.A.;
KULAKOV, N.I.; BEL'CHENKO, B.I.; IVNITS'AYA, N.S.; SMORODA, I.M.;
SHAROV, M.F.; KOZIN, L.M.; KVASHA, A.S.; PELESHCHUK, M.I.; PRYAKHIN,
L.G.; LEVINA, L.I.; DANILOV, V.I.; DIDENKO, S.Yu. PROTSENKO, G.A.

Reducing dust formation from dinas bricks and dinas mortar.
Ogneupory 29 no.3:109-112 '64 (MIRA 17:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov
(for Kaynarskiy, Degtyareva, Pindrik, Kukhtenko). 2. Gosudar-
stvennyy institut po proyektirovaniyu predpriyatiy koksokhi-
micheskoy promyshlennosti (for Kulakov, Bel'chenko, Ivnitskaya).
3. Vsesoyuznyy trest po stroitel'stvu i montazhu koksokhimi-
cheskikh zavodov (for Peleshchuk, Pryakhin, Levina). 4. Ukrain-
skiy nauchno-issledovatel'skiy institut gigiyeny truda i pro-
fessional'nykh zabolevaniy (for Danilov, Didenko, Protsenko).

ACC NR: AP6034405

SOURCE CODE: UR/0017/66/000/011/0017/0017

AUTHOR: Petunin, F. (Krasnodar; Doctor of veterinary sciences; Professor); Kozin, N. (Krasnodar; Candidate of veterinary sciences); Rusman, L. (Krasnodar; Chief of civil defense course)

ORG: Rusman KSKhI

TITLE: Simple, inexpensive [Disinfecting equipment]

SOURCE: Voyennyye znaniya, no. 11, 1966, 17

TOPIC TAGS: veterinary medicine, chemical sprayer, animal husbandry, disinfection, decontamination, insect exterminator, *pest control, insect control, agricultural machinery*

ABSTRACT: Such decontamination devices as the DUK, DDU, LSD, and VMOK units specifically designed for the disinfection of animals, are not being produced in sufficient quantity. However, several types of orchard and vegetable spraying and dusting units and pumps can be used for this purpose, either directly or after simple modification. These include: 1) a combined duster-sprayer assembly mounted on a DSSh-14 self-propelled unit. It consists of an OSSh-10 duster and an OSSh-15 sprayer, which are normally used for pest control on plants; 2) the horse-drawn, motorized ONP-A sprayer, which can be mounted on a two-wheeled trailer towed by the KhTZ-7-, DT-14-, and DT-20-type tractors, or installed on a truck. It comes with its own gasoline engine (ODV-300), a plunger pump delivering 25 to 27 l/min at a pressure of 25 atm, two garden-type gun sprayers, a 410-1 tank, and a suction cock to fill

Card 1/2

ACC NR: AP6034405

the water container in 5—6 minutes. For insect extermination and the general veterinary treatment of animals, a special pipe boom can be used in addition to the spray gun. 3) an ONK-B sprayer-duster combination is also highly recommended. Its basic equipment includes a 40-l/min pump, a 70-kg dust or powder tank, a 550-l liquid reservoir, and a suction cock for delivering water or solvent to the spray head. 4) for dusting animals, an OPS-30B automobile duster is used. Mounted on a GAZ-51 truck, it includes a 180-kg tank, and its blower delivers a $2700\text{-m}^3/\text{hr}$ blast. 5) one technique for exterminating insects on animals is shown in Fig. 1. Orig. art. has: 1 figure. [WA-50]

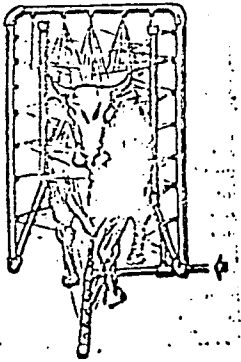


Fig. 1. Insect extermination on animals

SUB CODE: 02, 13, 15/ SUBM DATE: none/
Card 2/2

KOZIN, N., kapitan tekhnicheskoy sluzhby zapasa

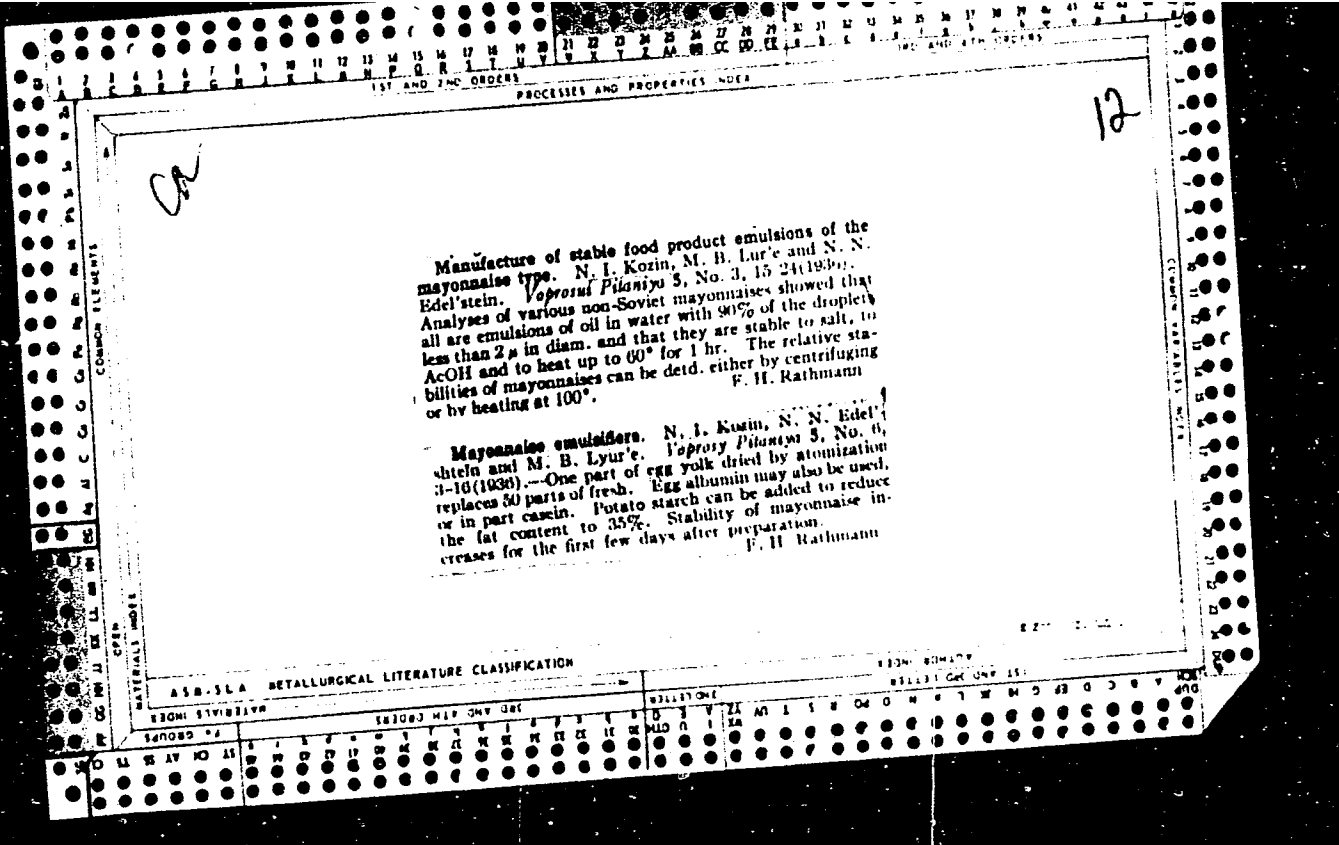
'Takeoff' from a snow corridor. Av. i kosm. no.2:08-29 P 166.
(MIRA 19:1)

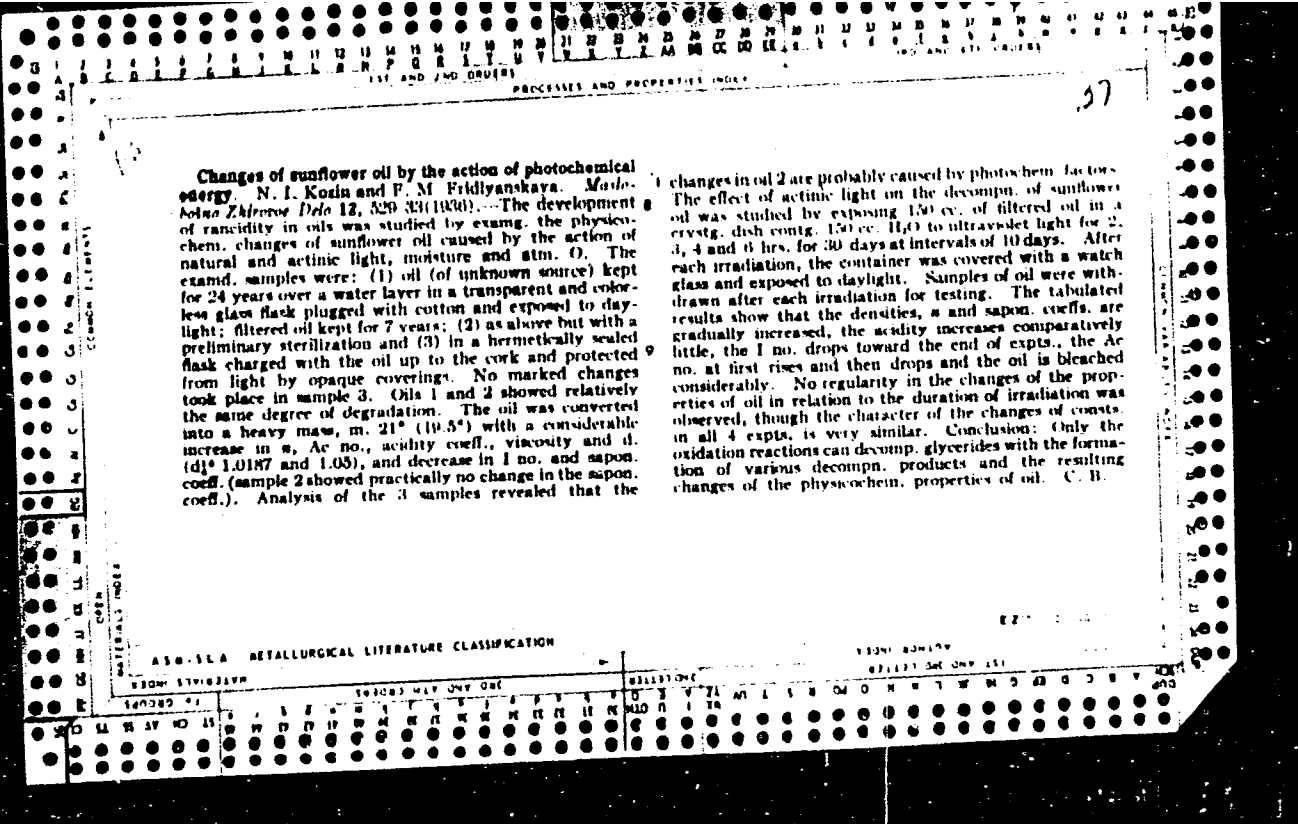
NIKOLIN, A.V., glav. revizor po bezopasnosti sudokhodstva, red.;
PIROZHKOVA, N.I., kapitan-nastavnik, red.; POLETAYEV,
L.A., kapitan-nastavnik, red.; KOZIN, N.A., kapitan,
red.; KUZNETSOV, B.Yu., kapitan, red.; TARASOV, A.G.,
kapitan, red.; VYKHODTSEV, P.K., red.; PER'YAKOV, V.V.,
red.; SIDOROV, F.G., red.; SOLOV'YEV, V.B., red.;
SHIRINKIN, A.D., red.; SHCHEPETOV, I.A., red.; SMIRNOV,
F.A., red.; KOSTIN, V.F., red.; SAVOSTIN, N.D., red.;
FILYASOV, K.A., red.; IVANOV, A.I., red.; LOBANOV, Ye.M.,
red.izd-va; REMNEVA, T.T., tekhn. red.

[Rules for the navigation on inland shipping routes of the
R.S.F.S.R.] Pravila plavanija po vnutrennim sudokhodnym
putiam RSFSR. Vvedeny v deistvie s 15 marta 1963. g. pri-
kazom ministra rechnogo flota No.33 ot 28 fevralia 1963. g.
Moskva, Izd-vo "Rechnoi transport," 1963. 98 p.

(MIRA 16:6)

1. Russia (1917- R.S.F.S.R.) Ministerstvo rechnogo flota.
(Inland navigation--Laws and regulations)





Changes of sunflower oil by the action of photochemical energy. N. I. Kozin and P. M. Fridlyanskaya. *Mosk. kolno Zhitrovot Delo* 12, 320-33 (1930). The development of rancidity in oils was studied by examg. the physicochem. changes of sunflower oil caused by the action of natural and actinic light, moisture and atm. O. The examd. samples were: (1) oil (of unknown source) kept for 24 years over a water layer in a transparent and colorless glass flask plugged with cotton and exposed to daylight; filtered oil kept for 7 years; (2) as above but with a preliminary sterilization and (3) in a hermetically sealed flask charged with the oil up to the cork and protected from light by opaque coverings. No marked changes took place in sample 3. Oils 1 and 2 showed relatively the same degree of degradation. The oil was converted into a heavy mass, m. 21° (19.5°) with a considerable increase in η , Ac no., acidity coeff., viscosity and d. (d₄²⁰ 1.0187 and 1.03), and decrease in I no. and sapon. coeff. (sample 2 showed practically no change in the sapon. coeff.). Analysis of the 3 samples revealed that the

changes in oil 2 are probably caused by photochem. factors. The effect of actinic light on the decompn. of sunflower oil was studied by exposing 150 cc. of filtered oil in a crystg. dish contg. 150 cc. H₂O to ultraviolet light for 2, 3, 4 and 6 hrs. for 30 days at intervals of 10 days. After each irradiation, the container was covered with a watch glass and exposed to daylight. Samples of oil were withdrawn after each irradiation for testing. The tabulated results show that the densities, η and sapon. coeffs. are gradually increased, the acidity increases comparatively little, the I no. drops toward the end of expts., the Ac no. at first rises and then drops and the oil is bleached considerably. No regularity in the changes of the properties of oil in relation to the duration of irradiation was observed, though the character of the changes of const. in all 4 expts. is very similar. Conclusion: Only the oxidation reactions can decomp. glycerides with the formation of various decompn. products and the resulting changes of the physicochem. properties of oil. C. B.

12

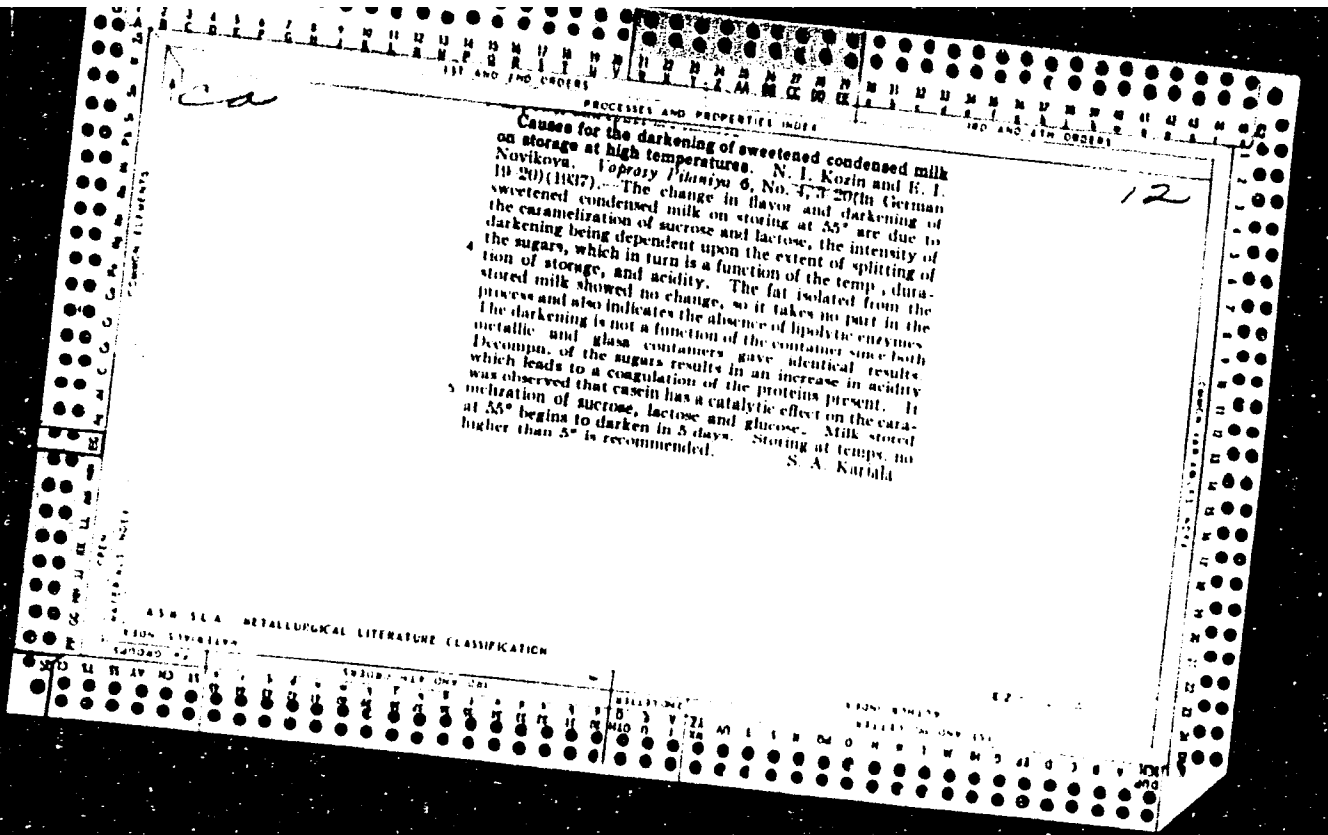
ca

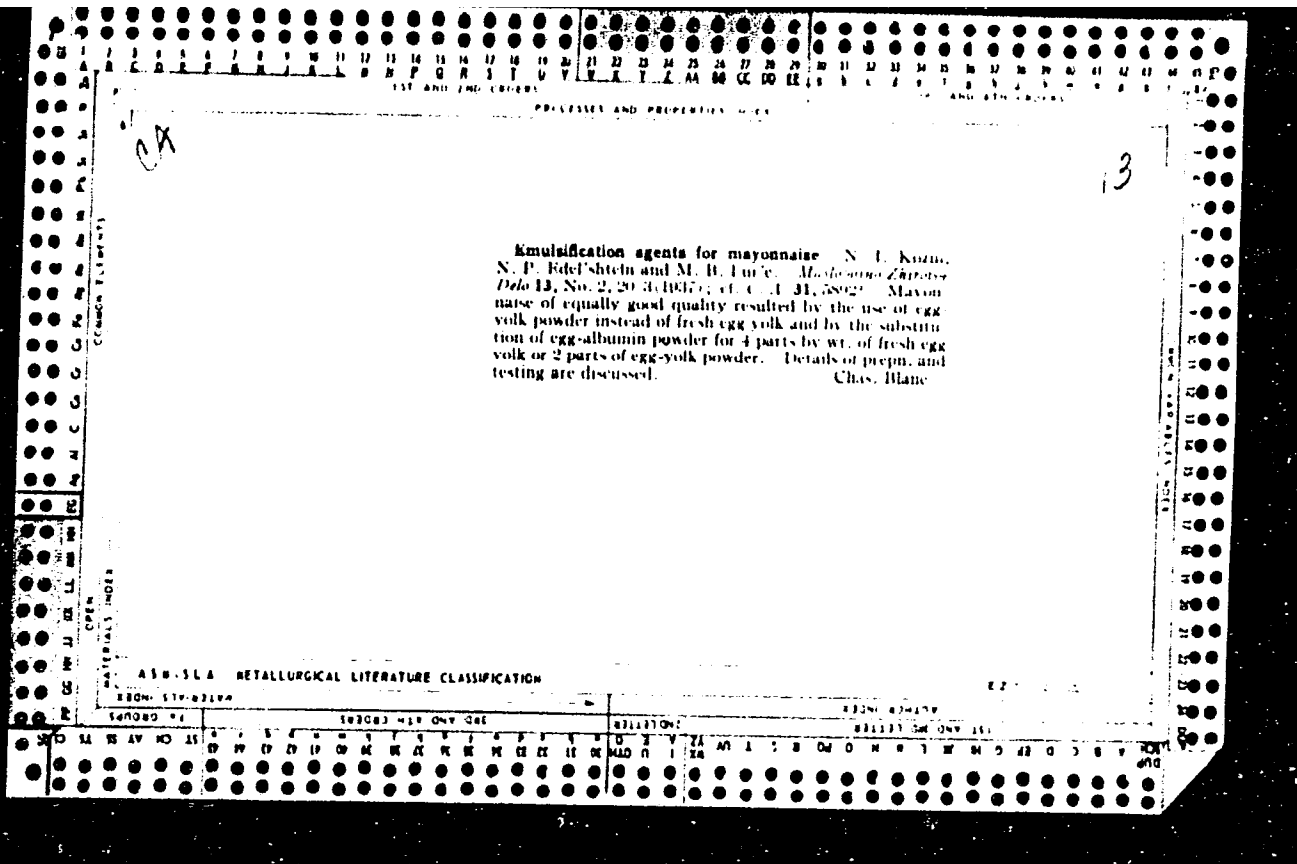
PROCESSES AND PROPERTIES INDEX

Optimum conditions for the preservation of mayonnaise. N. I. Kozin and L. S. Yastrebova. *Voprosy Pitaniyu* 6, 1 No. 3, 3-21 (in French 21) (1937).—The introduction of horseradish, gherkins, etc., into mayonnaise destroys the homogeneity of the emulsion and shortens the stability period. The flavor depends entirely on the nature of the changes occurring in the fat, which in turn are detd. by the storage conditions. Unsealed bottles showed a definite oxidation and deterioration in the course of 10 days. Temps. around 35° speed up the oxidation and decompn. reactions of the fat. At temps. at 14-20° the emulsion remains homogeneous and the flavor satisfactory over a period of 1-2 months, but +5° is the optimum. Temps. below -15° must be avoided, since freezing begins and the emulsion is broken. The optimum conditions for mayonnaise preservation for 7-8 months are hermetic sealing, exclusion of light and a temp. of +7° to -5°. S. A. Kariel.

*Causes for the Darkening of Sweetened Condensed Milk on Storage at High Temperatures. N. I. Kozin and E. I. Novikova (*Voprosy Pitaniyu* (Problems of Nutrition), 1937, 6, (3), 3-19 (in Russian); German summary, 18-20).—It was found, *inter alia*, that the darkening is not a function of the container, since both metallic and glass containers gave identical results.—S. (1).

ASB-3LA METALLURGICAL LITERATURE CLASSIFICATION





19

The destearinization of cottonseed oil — S. I. Korin and N. I. Azarkh. *Voprosy Pitaniya* 7, No. 2, 21-30 (in English 30) (1938). — A temp. of 2.5-5° is most satisfactory for freeing cottonseed oil of triglycerides (1) by crystallization without solvent. The oil fraction thus obtained showed no turbidity when kept at 0° for 44 hrs. Preliminary cooling to 5° followed by crystallization at 1.5-2.5° reduced crystallization time from 18 to 10 hrs. This preliminary cooling favors the formation of large crystals which are easily removed by filtration. When no solvent is used temps. of 0° to -7° are unsatisfactory, since the minute crystals which form and the high viscosity of the oil make filtration difficult. For the complete separ. of 1 by means of solvents the ratio of solvent (benzene) to oil of 0.5:1 was found most satisfactory, with a crystg. temp. of -10° to -15° for 12 hrs. S. A. Karjala

The limits of concentration of emulsifiers for the preparation of stable emulsions of the mayonnaise type. — S. I. Korin. *Voprosy Pitaniya* 7, No. 3, 18-34 (in German, 35) (1938). — The min. concns. of the oil-water emulsifiers dry egg white, alkali-treated casein, acid-treated casein, dry egg yolk and gelatin are 0.5, 0.3, 0.7, 0.0 and 1%, resp. The optimum concns. giving emulsions with a min. of sepn. of 11, 4 and oil after centrifuging for the same compds. are 4, 1, 3.5, 10 and 2.5%. S. A. Karjala

107 AND 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

CA

PROCEDURE AND PROPERTIES INDEX

The emulsification processes taking place in the colloid mill. N. I. Kozin and A. A. Petruv. *Voprosy Prirody* 7, No. 6, 66-69 (1938); *Chem. Zvest.* 1940, 148; cf. C. A. 34, 2059. — By the use of a Russian colloid mill and by maintaining a definite ratio between the fat and water content, mayonnaise-like emulsions could be prepd. with a low (20%) or a high (67%) fat content. The stability of the emulsions was directly proportional to the r. p. m. and inversely proportional to the distance between the grinding stones. If the fat content is reduced or the water content is increased, the addn. of an emulsifying agent, increase in the content of dry substance, or an increase in the degree of dispersion is necessary. Under definite working conditions there is a max. for the amt. of emulsifying agent or of fat to produce a stable emulsion; if this max. is exceeded the emulsion becomes less stable. By the use of alk. casein as an emulsifying agent or by the addn. of dry albumin (11.1%) and with the further condition that the ratio between the solid and liquid phases be held at 1:3 or 1:3, emulsions can be produced the stability of which is independent of a reduction in the fat content (between 67 and 20%). M. G. Moore.

458-31A METALLURGICAL LITERATURE CLASSIFICATION

FROM SOURCE

FROM SOURCE

CA

Effects of the concentration of emulsifiers and of the stirring speed on the stability of oil emulsions. N. A. Kozin and E. N. Sitnikova. *Voprosy Pitaniya* 8, No. 4, 50-7 (1939); cf. C. A. 33, 2004. — The stirrer speed was variable from 600 to 1200 r./min. Oil was added at the rate of 100 cc. every 235 sec. Aq. solns. of dry albumin (I), egg yolk (II), Na caseinate (III) and casein lactate (IV) were used as emulsifiers. At 1200 r./min. in emulsions with I or III in concns. of 0.25% (per aq. phase) the sepn. occurs at a water-oil ratio of 1:3.3. With IV (0.25%) the sepn. occurs at 1:4.2. With III at 5% the emulsion seps. at 1:15.4. With IV at 5% the relation is 1:10.8. At higher concns. of the emulsifiers the sepn. occurs at a lower oil content. The lowering of the amts. of oil causing sepn. depends, according to the concn. of the emulsifiers, on the abs. increase of the amt. of emulsifier and the decrease of the amt. of water per unit of vol. of the soln. in relation to the amt. of emulsifier. In the emulsifiers studied the dispersion depends also on the stirring speed. Thus the amt. of water bound to the emulsifier is linked with the degree of dispersion. The unadsorbed water decreases with increased emulsifier concn. and stirring speed. Addn. of the first portions of oil decreases the concn. to a point where the adsorption layer becomes undersatd. and a slight excess of oil will cause the appearance of rari-fied films lacking the proper mech. strength for protection.

T. Lianes

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

SECTION	CLASSIFICATION	INDEXING	RECORDING	SEARCHING	RETRIEVAL
0	1	2	3	4	5
6	7	8	9	10	11
12	13	14	15	16	17
18	19	20	21	22	23
24	25	26	27	28	29
30	31	32	33	34	35
36	37	38	39	40	41
42	43	44	45	46	47
48	49	50	51	52	53
54	55	56	57	58	59
60	61	62	63	64	65
66	67	68	69	70	71
72	73	74	75	76	77
78	79	80	81	82	83
84	85	86	87	88	89
90	91	92	93	94	95
96	97	98	99	100	

191 AND 190 CROSS

PROCESSES AND PROPERTIES INDEX

192 AND 4TH CROSS

CA

12

Manufacture of margarine and butter by means of a colloid mill. N. I. Kozin and S. M. Bezsonov. *Voprosy Pitaniya* 10, No. 1, 64-71 (1941); *Chem. Zentr.* 1941, II, 2157; *cf. C. A.* 34, 2085⁹.--Emulsions of hard fats can be brought to a completely butter-like structure with a colloid mill. Emulsions from 40% fat ("salomas" or fat melted from finished margarine) and 60% milk are worked with a colloid mill at 6200 r. p. m. It is preferable to do this at 35-40°, then to refrigerate to 3-5° and rework it. The fat assumes then the consistency of good cow butter, and the residue contains less than 2.3% fat. The optimum fat content of the emulsion is 45-55%. The residual milk can be reused several times. The obtained margarine is pressed and treated in the usual manner and resembles natural butter in all respects, and differs very favorably from table margarine. Acidified emulsions also gave tasty butter. T. Laanes

The manufacture of margarine. Haskell Donoho. *Soybean Digest* 4, No. 4, 4-5 (1944). - The steps in the manuf. of margarine are outlined and briefly discussed. K. D. Jacob

COMMON ELEMENTS

OPEN

MATERIALS INDEX

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

STONI STINBELVA

REGIME BOWIRA

191 AND 4TH CROSS

192 AND 4TH CROSS

191 AND 4TH CROSS

192 AND 4TH CROSS

KOZIN, S. I.

ca

27

Preservation of fats from rancidity with antioxidants.
N. I. Kozin and S. M. Bessonov. Voprosy Pitaniya 10,
No. 6-8, 24-9 (1941).--Citric, ascorbic, aspartic (0.1%),
and aminoacetic acids (in combination with NaH_2PO_4) pre-
served the initial taste of sunflower oil over 30 days, and
somewhat decreased the Iссogho no. and peroxide no.
Tartaric acid was not as effective. Sucrose was most
effective among the sugars tested. Lactose was somewhat
effective, glucose and fructose were ineffective. Pea flour
also prevented rancidity; but an ether ext. of the flour did
not. Whole peas had a weak but pos. action. An ether
ext. of oat flour was slightly pos. The diethyl ester of
maleic acid was inactive.
I. LARSEN

KOZIN, N. I.

Kozin, N. I. and Yershova, O. A. "Development of a method for determining the toxicity of kernels of grain (millet) which have passed the winter under snow," Nauch. trudy In-ta pitaniya (Akad. med. nauk SSSR), Moscow, 1946, p. 39-46

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

KOZIN, N. I.

Kozin, N. I. - "Study of the physico-chemical properties of mycogenic fat,"
Nauch. Trudy In-ta pitaniya (Akad. med. nauk SSSR),
Moscow, 1948, p. 122-30 --- Bibliog: 8 items

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

KOZIN, N.I.

USSR/Chemical Technology - Chemical Products and Their Application. Fats and Oils. Waxes. Soap. Detergents. Flotation Reagents I-25

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 13770

Author : Kozin N.I., Kosheleva A.V.

Inst : Moscow Institute of National Economy

Title : Study of Preservation of Vitamins in Margarine, Mayonnaise and Emulsions of the Condensed Milk Type

Orig Pub : Sb. nauch. rabot Mosk. in-ta nar. kh-va, 1953, No 3, 45-53, 54-64

Abstract : No abstract.

Card 1/1

- 382 -

KOZIN, N.I.

[Commercial information on food fats, milk, and milk products]
Tovarovedenie pishchevykh zhirov, moloka i molochnykh produktov.
Moskva, Gos.izd-vo torgovoi lit-ry. 1958. 511 p. (MIRA 12:3)
(Oils and fats) (Milk) (Dairy products)

KOZIN, Nikolay Ivanovich, zasluzhennyi deyatel' nauki i tekhniki, prof.,
doktor tekhn. nauk; SINEL'NIKOVA, TS.B., red.; SUDAK, D.M.,
tekhn. red.

[Chemistry and commercial characteristics of edible fats] Khimija
i tovarovedenie pishchevykh zhirov. Izd.3., dop. i perer. Moskva,
Gos. izd-vo torgovoi lit-ry, 1958. 670 p. (MIRA 11:9)
(Oil and fats, Edibles)

SKROBANSKIY, Georgiy Georgiyevich, prof., doktor tekhn.nauk; KOZIN, N.I.
prof., zasluzhennyy deyatel' nauki i tekhniki, retsenzent;
SMIRNOV, V.S., zasluzhennyy deyatel' nauki i tekhniki, retsenzent;
[deceased]; GRUNER, V.S., prof., retsenzent; CHISTYAKOV, F.M.,
retsenzent; CHOGOVADEZ, Sh.K., dotsent, retsenzent; INIKHOV, G.S.,
prof., retsenzent; RUKOSUYEV, A.N., dotsent, spets.red.; KOL-
CHINSKAYA, N.A., red.; SUDAK, D.M., tekhn.red.

[Introduction to the study of foodstuffs] Vvedenie v tovarovedenie
prodovol'stvennykh tovarov. Moskva, Gos.izd-vo torg.lit-ry, 1959.
210 p. (MIRA 13:10)

1. Moskovskiy institut narodnogo khozyaystva im. G.V.Plekhanova
(for Kozin).

(Food)

KOZIN, N.I.; STARODUBTSEV, N.V.

Method for the manufacture of pastelike (cheese) emulsions.
Izv.vys.ucheb.zav.; pishch.tekh. no.5:130-136 '59. (MIRA 13:4)

1. Moskovskiy institut narodnogo khozyaystva imeni G.V.
Plekhanova, laboratoriya shirov.
(Cheese)

KOZIN, N.I.; SITNIKOVA, Ye.N.

Storing liquid fats in an atmosphere of carbon dioxide. Izv.
vys.ucheb.zav.; pishch.tekh. no.6:20-24 '89. 2
(MIRA 13:5)

1. Moskovskiy institut narodnogo khozyaystva imeni G.V.
Plakhanova. Laboratoriya zhиров.
(Oils and fats--Storage) (Carbon dioxide)

KOZIN, N.I.; KASTORNYKH, M.S.

Effect of production processes on the tocopherol content of vegetable oils. *Izv.vys.ucheb.zav.; pishch.tekh.* no.6:66-74 '59. (MIRA 13:5)

1. Moskovskiy institut narodnogo khozyaystva imeni G.V.Plekhanova. Laboratoriya zhirov. (Tocopherol) (Oils and fats)

KOZIN, N., zasluzhennyy deyatel' nauki i tekhniki, doktor tekhn.nauk,
prof.; GRYUNER, V., doktor tekhn.nauk, prof.; LOBANOV, D.,
doktor tekhn.nauk, prof.; CHISTYAKOV, F., doktor tekhn.nauk,
prof.; KOLESNIK, A., doktor tekhn.nauk, prof.

Pay due attention to the storage of products. NTO no.11:62
N '59. (MIRA 13:4)

(Food--Storage)

KOZIN, N.I.; YERSHOVA, O.A.

Iron content of red and yellow marrow and its fat fractions.
Izv.vys.ucheb.zav.; pishch.tekh. no.1:135-137 '60. (MIRA 13:6)

1. Moskovskiy institut narodnogo khozyaystva imeni G.V.Plekhanova.
(Marrow--Analysis) (Iron -Analysis)

KOZIN, N.I.; VARIBRUS, V.I.

Margarine having butter structure. Izv. vys. ucheb. zav.;
pishch. tekhn. no. 2:35-40 '60. (MIRA 14:7)

1. Moskovskiy institut narodnogo khozyaystva imeni G.V. Plekhanova, kafedra tovarovedeniya prodovol'stvennykh tovarov.
(Oleomargarine)

KOZIN, N.I.; SITNIKOVA, Ye.N.

Effect of phosphatides on the processes taking place in vegetable oils during storage. *Izv.vys.ucheb.zav.;pishch.tekh.no.5:24-30*
'60. (MIRA 13:12)

1. Moskovskiy institut narodnogo khozyaystva imeni G.V.Flekhanova.
Kafedra tovarovedeniya.prodoval'stvennykh tovarov.
(Oils and fats--Storage) (Phosphatide)

KOZIN, N.I., doktor tekhn.nauk; KASTORNYKH, M.S.

Effect of different processes on the tocopherol content of
vegetable oils. Report No.1. Masl.-zhir.prom. 26 no.1:5-8
Ja '60. (MIRA 13:4)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut
narodnogo khozyaystva imeni G.V.Plekhanova.
(Oils and fats--Analysis) (Tocopherol)

KOZLITSKIY, N.I., doktor tekhn.nauk; KASTORNYKH, M.S.

Study of the effect of production processes on the content of
tocopherols in vegetable oils. Masl.-zhir.prom. 26 no.6:8-9
Ja '60. (MIRA 13:6)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut narodnogo
khozyaystva imeni G.V.Plekhanova.
(Oils and fats--Analysis) (Tocopherol)

KOZIN, N.I., doktor tekhn.nauk; VARIBRUS, V.I.; GERASIMOV, P.K.;
BARANNIKOV, M.A., inzh.

Production of oleomargarine similar to butter in structure and
taste. Masl.-zhir.prom. 26 no.9:16-19 S '60. (MIRA 13:8)

1. Moskovskiy ordena Trudovogo Arasnogo Znameni institut
narodnogo khozyaystva imeni G.V.Plekhanova (for Kozin, Varibus).
2. Moskovskiy margarinovyy zavod (for Gerasimov, Barannikov).
(Oleomargarine)

VYSHELESSKIY, A.N.; ZABOLOTSKIY, M.S.; YEREMENKO, V.V.; IMSHENETSKIY, A.A.;
KOZIN, N.I.; KOZLOV, V.V.; LEDOVSKIKH, S.I.; LOBANOV, D.I.;
MUNDRETSOVA, K.A.; RAZUMOV, A.S.; RAUTENSHTEYN, Ya.I.

F.M.Chistiakov; obituary. Mikrobiologiya 29 no.2:313 Mr-Apr '60.
(MIRA 14:7)

(CHISTIYAKOV, FEDOR MAKSIMOVICH, 1898-1959)

I.
KOZIN, N., prof.; SITNIKOVA, Ye.

Storage of liquid oils and fats in a carbonic acid atmosphere.
Sov.torg. 33 no.1:51-53 Ja '60. (MIRA 13:4)

1. Laboratoriya zhirov Instituta narodnogo khozyaystva
imeni Plekhanova.
(Oils and fats)

KOZIN, N., professor; VARIBRUS, V., aspirant

Improving the structure and taste of margarine. Sov.torg.
33 no.2:51-53 F '60. (MIRA 13:5)
(Oleomargarine)

KOZIN, N.I.; VARIBRUS, V.I.

Production of a new type of margarine. Izv.vys.ucheb.zav. i
pishch.tekh. 1:23-28 '61. (MIRA 14:3)

1. Moskovskiy institut narodnogo khozyaystva imeni G. V.
Plekhanova, Kafedra tovarovedeniya prodoval'stvennykh tovarov.
(Oleomargarine)

KOZIN, N.I.; VARIBRUS, V.I.

Solution of technological problems connected with the production of margarine testing like butter. Vop.pit. 20 no.2:51-54 Mr-Ap '61. (MIRA 14:6)

1. Iz laboratorii zhirov, moloka i molochnykh produktov (zav. - prof. N.I.Kozin) Moskovskogo ordena Trudovogo Krasnogo Znameni instituta narodnogo khozyaystva imeni G.V.Plekhanova, Moskva. (OLEOMARGARINE)

KOZIN, N.I., doktor tekhn.nauk; YERMAKOVA, P.M., inzh.

Hydrothermal regime in the storage of vegetable oils under plant
conditions. Masl.-zhir.prom. 27 no.1:5-7 Ja '61. (MIRA 14:1)
(Oils and fats—Storage)

KCZIN, N.I., doktor tekhn.nauk; YERMAKOVA, P.M., inzh.

Catalytic action of the residues of oxidized oil. Masl.-zhir.
prom. 27 no. 2:12-13 '61. (MIRA 14:2)
(Oils and fats) (Catalysts)

KOZIN, N.I., doktor tekhn.nauk; VARIBRUS, V.I.

Keeping quality of margarine structurally similar to butter. Masl.-
zhir. prom. 27 no. 4:27-29 Ap '61. (MIRA 14:4)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut narodnogo
khozyaystva imeni G.V. Plekhanova.
(Oleomargarine)

KOZIN, N.I.; doktor tekhn.nauk; YERMAKOVA, P.M., inzh.

Rapid method for determining the keeping quality of sunflower seed oil.
Masl.-zhir.prom. 27 no.5:20-22 My '61. (MIRA 14:5)
(Sunflower seed oil)

KOZIN, N.I.; RODIONOVA, I.F.

Simplified method of cheese manufacture with the use of artificial
food emulsions. Izv.vys.ucheb.zav.; pishch.tekh. 2:61-65 '62.
(MIRA 15:5)

1. Moskovskiy institut narodnogo khozyaystva imeni Plekhanova,
kafedra tovarovedeniya prodovol'stvennykh tovarov.
(Cheese)

KOZIN, N.I.; SMOTRIN, A.A.

Investigating the process of emulsification in the ultrasonic apparatus. Izv.vys.ucheb.zav.; pishch.tekh. no.4:53-58 '62.
(MIRA 15:11)

1. Moskovskiy institut narodnogo khozyaystva im. G.V.Plekhanova, kafedra tovarovedeniya prodovol'stvennykh tovarov.
(Emulsions)

(Ultrasonic waves—Industrial applications)

KOZIN, N.I., doktor tekhn.nauk; VARIBRUS, V.I., kand.tekhn.nauk;
BARANNIKOV, M.A., inzh.

Bulk transportation of liquid margarine. Masl.-zhir.prom. 28
no.12:17-18 D '62. (MIRA 16:1)

1. Institut narodnogo khozyaystva imeni G.V.Flekhanova (for
Kozin, Varibrus). 2. Moskovskiy mylovarennyy zavod (for
Barannikov).

(Oleomargarine--Transportation)

KOZIN, N.I.; RODIONOVA, I.F.

Investigating the process of cheese ripening with the aid of concentrated food emulsions. Izv.vys.ucheb.zav.; piiskh.tekh. no.1:50-55 '63. (MIRA 16:3)

1. Moskovskiy institut narodnogo khozyaystva imeni G.V.Plekhanova, kafedra tovarovedeniya prodovol'stvennykh tovarov. (Cheese)

KOZIN, N.I.; MAKARENKO, Ye.N.

Effect of temperature conditions on the structural formation of
the fatty base of margarine. Izv. vys. ucheb. zav.; pishch.
tekh. no.2:77-82 '63. (MIRA 16:5)

1. Moskovskiy institut narodnogo khozyaystva imeni G.V. Plekhanova,
kafedra tovarovedeniya prodovol'stvennykh tovarov.
(Oleomargarine)

KOZIN, N.I., doktor tekhn. nauk; SMOTRIN, A.A., inzh.

Studying the emulsifying properties of pectin. Masl.-zhir.
prom. 29 no.5:14-16 My '63. (MIRA 16:7)

1. Moskovskiy institut narodnogo khozyaystva imeni G.V.
Plekhanova.
(Pectin) (Emulsifying agents)

KOZIN, N.I., doktor tekhn.nauk; KASTORNYKH, M.S., kand.tekhn.nauk

Separation of phytosterols from the wastes of oil deodorization.
Masl.-zhir.prom. 29 no.7:21-22 J1 '63. (MIRA 16:9)

1. Institut narodnogo khozyaystva imeni G.V.Plekhanova.
(Oil industries--By-products) (Phytosterols)

KOZIN, N.I., doktor tekhn. nauk; MAKARENKO, Ye.N., inzh.

Polymorphic transformations of the individual components of
the oil base of margarine. Masl.-zhir. prom. 29 no.10:11-
14 0 '63. (MIRA 16:12)

1. Institut narodnogo khozyaystva imeni G.V. Plekhanova.

KOZIN, N.I., doktor tekhn.nauk; SMOTRIN, A.A., kand.tekhn.nauk

Studying the emulsifying properties of phosphatides. Masl.-shir.
prom. 30 no.2:14-17 F '64. (MIRA 17:3)

1. Moskovskiy institut narodnogo khozyaystva imeni G.V.Plekhanova.

KOZIN, N.I., doktor tekhn.nauk; SMOTRIN, A.A., inzh.

Use of ultrasonic apparatus in the manufacture of edible emulsions of the mayonnaise type. Masl.-zhir.prom. 28 no.8:15-18 Ag '62.

(MIRA 17:2)

1. Moskovskiy institut narodnogo khozyaystva imeni G.V.Plekhanova.

ACC NR: AP6014720

(A)

SOURCE CODE: UR/5322/65/000/000/0061/0064

AUTHOR: Kozin, N. I.; Padaryan, E. M.

ORG: Moscow Institute of National Economy im. G. V. Plekhanov (Moskovskiy institut narodnogo khozyaystva); Department of Staple Commodities (Kafedra tovarovedeniya prodovol'stvennykh tovarov)

TITLE: Margarine obtained by vacuum spray from a highly concentrated artificial alimentary emulsion

SOURCE: IVUZ. Pishchevaya tekhnologiya, no. 6, 1965, 61-64

TOPIC TAGS: food technology, emulsion, fatty acid, thermal stability, coagulation,

ABSTRACT: In continuation of earlier work, tests were conducted for preparing finished margarine (except for yeast) by vacuum spray. The 4 test formulas selected contained a mixture of 75 or 80% hydrogenated and 20 or 25% natural vegetable oil or the same percentage in a mixture of hydrogenated sunflower and whale oil. Water, dry milk and salts had been added to the 76% fat to obtain a product closely resembling butter. Microstructure was studied by determining the depth to which a stain would penetrate the continuous medium characterizing such an emulsion. Sudan red and methylene blue were found to penetrate both butter and the experimental margarine to

Card 1/2

URC: 664 315 6

ACC NR: AF6014720

about the same depth within 30 days. The same was true of salt penetration. Thermal stability and creamability, both depending on a coagulate-crystalline structure with minute crystals, were also tested. The margarine retained its cubic form in the thermal test and furnished a satisfactory filling for pastries. It was concluded that the margarine obtained as above has a structure closely resembling butter and can be used as emulsifier for dry milk; the method furnished a product containing minute crystals and a coagulate-crystalline structure. Orig. art. has: 3 tables.

^{06, 13, 07}
SUB CODE: SUBM DATE: 12Jan65/ ORIG REF: 006/ OTH REF: 001

Card 2/2

KOZIN, N.I.

Disorders of the higher nervous function in children in complicated scarlet fever. *Pediatriia*, Moskva No.1:16-22 Jan-Feb 52. (CML 21:4)

1. Of Gor'kiy Scientific-Research Pediatric Institute (Director--A.A. Prokof'yeva).

KOZIN, N.I.

Growth factor in cortical dynamics in children. *Pediatrics*, Moskva
no. 4:15-20 July-Aug. 1952. (CML 22:5)

1. Of Gor'kiy Scientific-Research Pediatric Institute (Director --
A. A. Prokof'yeva).

234439

USSR/Medicine - Conditioned Reflexes Sep/Oct 52

The Influence of the Type Characteristics of the Higher Nervous Activity on the Course of Dysentery in Children, N. I. Kozin, Cand of Med Sci, Z. A. Polushkino, Asst, Gor'kiy Sci Res Inst of Pediatrics

"Pediatriya" No 5, pp 38-43

On the basis of clinical data cited, draws the conclusion that possession of the strong type of higher nervous system, and favorable

surroundings, contributes to a mild course of dysentery in children, while a weak type of nervous system contributes to a severe infection. A note from the editors warns that this statement, owing to the scarcity of observations, should be considered as purely speculative, so far.

234439

KOZIN, N. I.

KOZIN, N. I., Doc Med Sci -- (diss) "Disturbances of higher and vegetative nervous activity during scarlet fever in children." Mos, 1957. 12 pp (Inst of Higher Nervous Activity, Acad Sci USSR), 120 copies (KL, 52-57, 110)

- 100 -

ABOLENSKAYA, A.V.; KOZIN, N.I.; KOLOMENSKAYA, O.A.

Use of novocaine in a prolonged attack of paroxysmal tachycardia
in an infant. Vop. okh. mat. i det. 3 no.1:91-93 Ja-F '59. (MIRA 12:2)

1. Iz Gor'kovskogo peditricheskogo nauchno-issledovatel'skii instituta
Ministerstva zdravookhraneniya RSFSR (dir. A.A. Prokof'yev).
(ARRHYTHMIA) (NOVOCAINE)

ABOLENSKAYA, A.V.; KOZIN, N.I.; KOLOMENSKAYA, O.A.

Use of novocaine in a lingering attack of paroxysmal tachycardia
in a child. *Pediatrics* 37 no.9:90 S '59. (MIRA 13:2)

1. Iz Gor'kovskogo pediatricheskogo nauchno-issledovatel'skogo insti-
tuta Ministerstva zdravookhraneniya RSFSR.
(NOVOCAINE) (ARRHYTHMIA)

PETUNIN, P.A.; KOZIN, N.P.

Measures for controlling ticks. Veterinarika 40 no. 2:68-69
Ag '63. (MIRA 17:10)

LOGVINENKO, I.P. (Kiyev); KOZIN, O.V. (Kiyev); BRAGINSKIY, M.I. (Kiyev)

"Track circuits" by N.F.Kotliarenko. Reviewed by I.P.Logvinenko, O.V.Kozin
M.I.Braginskii. Zhel.dor.transp. 44 no.12:91-92 D '62. (MIRA 15:12)

1. Nachal'nik otdela signalizatsii tsentralizatsii, blokirovki i svyazi
Kiyevgiprotransa (for Logvinenko). 2. Glavnyy inzh. sluzhby signalizatsii
i svyazii Yugo-Zapadnoy dorogi (for Kozin). 3. Starshiy inzh. otdela
signalizatsii, tsentralizatsii, blokirovki i svyazi Kiyevgiprotransa
(for Braginskiy).

(Electric engineering) (Railroads—Signaling)

(Railroads—Communication systems)

(Kotliarenko, N.F.)

LIKHACHEV, S.M.; KOZIN, P.D.

New development in production organization in the "Belka"
Fur Hat Factory. Kozh.-obuv. prom. 5 no.6:41 Je '63.
(MIRA 16:6)

1. Nacnal'nik tsekha golovnykh uborov mekhovoy fabriki
"Belka" (for Likhachev). 2. Zaveduyushchiy skornyazhno-poshi-
vochno-shapochnym proizvodstvom mekhovoy fabriki "Belka" (for
Kozin).

(Industrial management)

KOZIN, S.L., mladshiy nauchnyy sotrudnik

~~Pathogenicity of the fungus Fusarium redolens Wr.~~
Pathogenicity of the fungus *Fusarium redolens* Wr. Vest. ven. i derm.
30 no.1:28-31 Ja-F '56. (MIRA 9:4)

1. Iz Ukrainskogo nauchno-issledovatel'skogo kozhno-venerologicheskogo
instituta (dir.-prof. A.M. Krichevskiy)
(FUNGI,
Fusarium redolens Wr., pathogenicity)

KOZIN, S.L.

Simple way for opening egg shell during microbiological studies of chicken embryos. Lab. delo 3 no.1:58-59 Ja-F '57 (MLRA 10:4)

1. Iz Ukrainskogo nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (dir.-prof. A.M. Krichevskiy), Khar'kov.
(EGGS) (LABORATORIES--APPARATUS AND SUPPLIES)

KOZIN, S.I.

Use of phase contrast microscopy in dermatovenerology.
Lab.delo 4 no.5:46-47 S-0 '58 (MIRA 11:11)

1. Iz Ukrain'skogo nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (dir. -dotsent B.A. Zadorozhnyy), Khar'kov).
(DERMATOLOGY)
(VENEREOLOGY)
(PHASE MICROSCOPE)

KOZIN, S. I.

Multiplication of *Trichomonas vaginalis*. Vest. dermat. i ven. 33
no.2:66-70 Mr-Apr '59. (MIRA 12:7)

1. Iz Ukrainського nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (dir. - dotsent B. A. Zadorozhnyy).
(TRICHOMONAS
vaginalis, multiplication (Rus))

KOZIN, S. L., Cand Med Sci -- "Tricomoniasis of ^{the} genito-
urinary organs in ~~men.~~ ^{males} (Laboratory-experimental studies and
clinical observations)." Khar'kov, 1961. (Khar'kov State
Med Inst) (KL, 8-61, 261)

- 471 -

KOZIN, T. P.

KOZIN, T. P. (Veterinarian) Treatment of infectious ovine vaginitis.

So: Veterinariya; 22; (1); January 1945; Incl.

TAECON

KOZIN, V., nauchnyy sotrudnik.

~~Small-scale mechanization in longwall loading points. Mast. ugl.5~~
no.12:15-16 D '56. (MLRA 10:2)

1. Kizelovskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
ugol'nogo instituta.
(Kizel Basin--Coal mining machinery)

KOZIN, V.

For a more extensive utilization of the fleet's engineering
reserves. Mor. flot 18 no.11:11-12 N '58. (MIRA 11:12)

1. Nachal'nik tekhnicheskogo otdela Kaspiyskogo parokhodstva.
(Marine engineering)

KOZIN, V., inzh. (g.Severodonetsk)

Without cement. Izobr.i rats. no.2:12-13 F '61. (MIRA 14:2)
(Concrete)

KOZIN, Vladimir Aleksandrovich; TSYRIN, Arkadiy Alekseyevich; CHAPSKIY,
Oleg Ustinovich; LUKIN, O.A., redaktor; MOLODTSOVA, N.G., tekhnicheskii redaktor

[Repair of tractor parts] Remont traktornykh detalei. Moskva, Gos.
izd-vo sel'khoz. lit-ry, 1956. 319 p. (MLRA 10:4)
(Tractors--Repairing)

1. SHUR, A.M.; KOZIN, V.A.
2. USSR (600)
4. Furan
7. Synthesis of furan from furfural in the presence of soda lime, A.M. Shur, V.A. Kozin. 26 no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

COV/117-58-12-15/36

AUTHORS: Lesova, M.Ya., and Kozin, V.A., Engineers

TITLE: The Sulfidization of Machine Parts (Sul'fidirovaniye detaley mashin)

PERIODICAL: Mashinostroitel', 1958, Nr 12, pp 19 - 21 (USSR)

ABSTRACT: As the sulfidization process of high-speed steel has not yet been sufficiently investigated and no optimum technology exists, the sulfidization of cutting instruments is here discussed on the basis of experiments made at the Minsk and Gor'kiy Automobile Plants. It was stated that sulfidization is much more effective for obtaining higher resistance to wear and corrosion than carburization, cyanidation and other forms of heat treatment. Information is given on various sulfidization methods including high and low temperature sulfidization in a salt bath or by building up with the use of high-sulfide coated electrodes. Technological recommendations, including the composition of the salt bath and the electrode coatings, are given. There are 2 tables, 1 block diagram and 1 Soviet reference.

Card 1/1

KOZIN, V.A.

IGNAT'YEV, A.F.; GORILOVSKIY, M.I.; KOZIN, V.A., otvetstvennyy red.:

[Automatic control, telemechanics and radio on the railroads of the
U.S.S.R.] Avtomatika, telemekhanika i radio na zheleznykh dorogakh
SSSR. Kiev. Ob-vo po rasprostraneniю polit. i nauchnykh znani
USSR, 1957. 52 p. (MIRA 11:7)

(Railroads--Communication systems)

(Railroads--Electronic equipment)

KOZIN V.O.
BARTNOVSKIY, A.L.; BOBORITSKIY, F.M.; KOZIN, V.O.; LASTOVSKIY, M.S.;
SELIVANETS, N.Ye.; STROGANOV, L.P., inzh., red.; VERINA, G.P.,
tekhn. red.

[Communications in transportation] Transportnaia sviaz'. Moskva,
Gos. transp. zhel-dor. izd-vo, 1958. 255 p. (MIRA 11:7)
(Railroads--Communication systems)

KOZIN, V.O.

Valuable textbook ("Lines of automatic control, telemechanics, and communications used in railroad engineering" by A.A.Snarskii and M.V.Markov. Reviewed by V.O.Kozin). Avtom.telem. i sviaz' 3 no.1:47 Ja '59. (MIRA 12:1)

1. Glavnyy insh. sluzhby signalizatsii i svyazi Yugo-Zapadnoy dorogi.

(Railroads--Communication systems) (Railroads--Signaling)
(Snarskii, A.A.) (Markov, M.V.)

BARTNOVSKIY, Aleksandr Leont'yevich; KOZIN, Vasily Onisimovich; KUCHERENKO, Sergey Aleksandrovich; BUZINIER, D.M., inzh., retsenzent; GRIGOR'YEV, N.I., inzh., retsenzent; CHISTOV, G.I., inzh., retsenzent; SHTILLER, Ya.V., inzh., retsenzent; NOVIKAS, M.N., inzh., red.; BOEROVA, Ye.N., tekhn. red.

[Specialized measurements in communication systems, automatic control, and remote control] Spetsial'nye izmereniya v ustroistvakh svyazi, avtomatiki i telemekhaniki. Moskva, Vses. izdatel'skopoligr. ob"edinenie M-va putei soobshchenia, 1961. 251 p.

(MIRA 14:8)

(Electronic measurements) (Railroads—Electronic equipment)

KOZIN, V.F., inzh.; MINEVICH, A.M., inzh.

Harbor distributor tugboat of the type "Kosmos" ["Cosmos"].
Biul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no.12:
39-46 '62. (MIRA 16:11)

1 15330-56 EWT(m)/EWP(t)/EWP(b) JD/WB

ACC NR: AP6001013

(N)

SOURCE CODE: UR/0286/65/000/022/0089/0089

AUTHOR: Kosin, V. F.

ORG: none

TITLE: A device for cleansing corrosion from the bottoms of ships. Class 65, No. 176504
44,55

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 22, 1965, 89

TOPIC TAGS: maintenance equipment, corrosion, power supply

ABSTRACT: This Author Certificate presents a device for cleansing the corrosion from the bottoms of ships. The device includes a self-propelled carriage which carries a brush drum with an electric drive. In order to increase the cleansing effectiveness, the brush drum is swivel-mounted on one end of a two-arm lever. The drum is pressed to the surface being cleaned by a pressure manually applied to the other end of the lever which serves as the control lever. To provide the rotational drum motion and the translational motion of the carriage from a single drive, the drive is made with two worm gears. One of these is connected with the V-belt drive for the drum's rotation. The other worm gear is connected with the drive wheels of the carriage.

SUB CODE: 13/

SUBM DATE: 21Jul63

Card 1/1 *mjs*

UDC: 629.128.6-776.2

21 (8), 15 (9).

AUTHORS:

Mokul'skiy, M. A., Lazurkin, Yu. S., SOV/20-125-5-15/61
Fivevskiy, M. B., Kozin, V. I.

TITLE:

The Reversible Radiation-mechanical Effects in Polymers
(Obratimyye radiatsionno-mekhanicheskiye efekty v polimerakh)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 5,
pp 1007-1010 (USSR)

ABSTRACT:

By the action of an ionizing radiation the mechanical properties of polymers may be changed to a considerable extent. The authors of the present paper investigated some mechanical properties of polymers during irradiation. The investigation was carried out in water-cooled vertical channels. The fluxes of the neutrons and γ -quanta, as well as the energy dose absorbed by the samples were measured on this occasion. Moreover, several simple devices for measuring the mechanical characteristics of polymers under irradiation were constructed, and, especially, a device for recording the extension curves ($\sigma - \epsilon$) for use in a reactor were reconstructed. The authors investigated polymers of different radiation resistance and different character of the most important radio-chemical variations. By comparing the

Card 1/4

The Reversible Radiation-mechanical Effects in
Polymers

SOV/20-125-5-15/61

mechanical properties of the samples located in the radiation field with the properties of original samples (and with samples which, though irradiated, were tested after irradiation) reversible radiation-mechanical effects were discovered. They are based upon a temporary reversible variation of the mechanical properties of the polymers. This variation occurs during irradiation and vanishes as soon as irradiation ceases. The authors observed the following reversible processes: 1) Decrease of the strength of polymethylmetacrylate. 2) Decrease of the limit of the enforced elasticity σ_B of polyvinyl chloride. 3) Increase of breaking elongations of polyvinylchloride. 4) Increase of relaxation rate of the tensions in the investigated substances. 5) Increase of the creep rate of polyvinylchloride, polystyrene, teflon, and rubber. Points 2-5 are then discussed in detail; thus it was found that σ_B decreases in the case of a dose rate of 46000 rad/sec by ~25 % and increases approximately linearly with an increase of the dose rate. After irradiation ceases, the reversible effect vanishes after less than 1 minute and only a remanent effect

Card 2/4

The Reversible Radiation-mechanical Effects in
Polymers

SOV/20-125-5-15/61

remains. A table contains the values of creep rate under various conditions. As a result of the irreversible destruction effect, the creep rate increases. Also this effect increases linearly with increasing dose rate. The diagrams 3-4 show the considerable reversible change of creep rate caused by the switching-on and -off of irradiation. The reversible radiation-mechanical effects may be of physical and also of chemical nature. The molecules excited by the ionizing particles during the dissipation of energy "pass through" states with weak excitations, which do not suffice for the stripping-off of the chemical bonds, but which correspond to local heating to high temperatures of short duration. This may accelerate the relaxation processes and change several properties of the substance. However, also a chemical mechanism must be taken into account. To what extent it is able to explain the reversible radiation-mechanical effects can be explained only after further investigations. There are 4 figures, 1 table, and 2 Soviet references.

Card 3/4

S/190/60/002/01/13/021
B004/B061
P2081

21,6200

AUTHORS:

Mokul'skiy, M. A., Lazurkin, Yu. S., Fiveyskiy, M. B.,
Kozin, V. I.

TITLE:

Study of the Mechanical Properties of Polymers During the Process of Irradiation. I. Strength and Ultimate Forced Elasticity of Solid Polymers During the Process of Irradiation in a Nuclear Reactor

PERIODICAL:

Vysokomolekulyarnyye soyedineniya. 1960. Vol. 2, No. 1.
pp. 103-109

TEXT: The authors exposed polyvinylchloride (PVC) and polymethyl-methacrylate (PMMA) to irradiation in a BBP(VVR) nuclear reactor. Data on the neutron beam are given in Table 1. The irradiation was carried out with a dose of 46,000 - 56,000 rad/sec at 20 - 60°C in vertical channels cooled with water. During irradiation, the strength and ultimate forced elasticity of were determined with the apparatus illustrated in Fig. 2, and the creep by that in Fig. 1. Fig. 3 shows the

Card 1/2

Study of the Mechanical Properties of Polymers S/190/60/002/01/13/021
During the Process of Irradiation. I. Strength B004/B061
and Ultimate Forced Elasticity of Solid Polymers 8208 1
During the Process of Irradiation in a Nuclear
Reactor

dependence of the strength of PMMA on the integral dose, Fig. 4, the dependence of σ_f with PVC on the integral dose. The decrease in σ_f is almost proportional to the radiation intensity (Fig. 5). The irradiation was interrupted by switching off the reactor, and it was seen that σ_f increase immediately about 25 - 30% (Fig. 6). The breaking length also increased after switching-off of the irradiation (Table 2, Fig. 7). As well as the known irreversible processes, based on interlacing and destruction, reversible processes also occur on irradiation. There are 7 figures, 2 tables, and 5 Soviet references.

SUBMITTED: October 15, 1959

X

Card 2/2

KOZIN, V.M.; CHERVATYUK, V.F.; YAVORSKAYA, A.K. [Iavors'ka, A.K.];
NAKONECHNAYA, A.O. [Nakonechna, A.O.]

Using the dilatometric method for determining the complete setting
(polymerization) of "plastic" concrete. Khim.prom. [Ukr.] no.1:
12-15 Ja-Mr '64. (MIRA 17:3)

BATYUK, V.P., kand.biol.nauk; KOZIN, V.M.; VOLKOV, B.V.; PROTSENKO, A.S.

Use of furylacrylic acid salts as physiologically active substances.
Khim.prom. [Ukr.] no.2:34 Ap-Je '65. (MIRA 18:6)

KOZIN, V.M.; KARPUKHIN, A.M.; MOMOT, M.V.; VOLKOV, B.V.

Equilibrium of ammonia and carbon dioxide over aqueous
boric acid-glycerol solutions. Khim. prom. [Ukr.] no.2:
10-14 Ap-Je '63. (MIRA 16:8)

1. Opytno-konstruktorskoye byuro sinteticheskikh produktov
Donetskogo soveta narodnogo khozyaystva.

PAVLYUKOV, A.A.; red.; KOZIN, V.M., red.; RYMAR, G.V., red.; ZHUKOVA,
Z.P., otv. za vypusk; ZAYATS, F.M., red.; KUZNETSOVA, V.Ya.,
tekhn.red.

[Synthetic resins and molded materials; a concise manual] Sinte-
ticheskie smoly i pressovochnye materialy; kratkii spravochnik.
Pod obshchei red. A.A.Pavliukova, V.M.Kozina, G.V.Rymar. Lugansk,
1959. 76 p. (MIRA 14:2)

1. Russia (1917- R.S.F.S.R.) Luganskii ekonomicheskii admi-
nistrativnyy rayon. Byuro tekhnicheskoy informatsii.
(Resins, Synthetic)

S/117/62/000/005/002/003
A004/A101

AUTHOR: Kozin, V. M.

TITLE: Furan plastics

PERIODICAL: Mashinostroitel', no. 5, 1962, 25

TEXT: The author points out that, lately, apart from plastics on the base of phenol resins and amino acid, furan resins and plastics on their base are used to an extended degree in the Soviet Union and abroad. He emphasizes that the production of the main initial product used in the furan resin synthesis - furfurole - is comparatively simple and cheap, since the necessary raw materials are agricultural and sawmill waste products. Plastics produced from furan resins are characterized by an elevated heat resistance, fire-proofness and extremely high corrosion resistance to all aggressive media, and also by their high dielectric properties. Research work to study the possibilities of using furan resins in industry is being carried out at the Moskovskiy khimiko-tekhnologicheskii institut im. D. I. Mendeleeva (Moscow Chemical Technological Institute im. D. I. Mendeleev), at the Moskovskiy nauchno-issledovatel'skiy institut plastmass ✓

Card 1/2

Furan plastics

S/117/62/000/005/002/003
A004/A101

(Moscow Scientific Research Institute of Plastics), at the Opytno-konstruktorskoye byuro sinteticheskikh produktov (Experimental Designing Bureau of Synthetic Products) of the Lugansk Sovnarkhoz and a number of other organizations. The author gives a number of examples of using furan plastics in industry and reports that, at present, several investigation projects are being carried out to study the utilization of a number of furan resins and plastics. In particular, the ΦA (FA) monomer is being investigated from which varnish resins and impregnations are produced for the manufacture of plastic concrete, urea-formaldehyde resins, modified by furfural and by the FA monomer, used in foundry practice and in the production of fire-proof insulating plates. The preliminary investigation results prove that furan plastics will, in the nearest future, be used to a great extent in the mechanical engineering industry, particularly for components operating in highly aggressive media.

Card 2/2

KOZIN, V. N.

"Some Questions of the Hydraulic Regime of a Canal Network." Cand Tech Sci,
Gor'kiy Construction Engineering Inst, Gor'kiy 1954. (RZhMekh, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

KOZIN, V.N.

Calculating the slope of sewage pit chutes at the confluence of two
flow channels. Vod. i san.tekh. no.4:26-30 J1'55. (MIRA 8:12)
(Sewerage)

SOV/124-57-9-10353

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 9, p 66 (USSR)

AUTHOR: Kozin, V. N.

TITLE: Determination of the Slopes of Sewers and Their Design at Two-branch Collecting Junctions (Opredeleniye uklovov lotkov kanalizatsionnykh kolodtsev i ikh konstruksiya na kollektorakh pri sliyanii dvukh potokov)

PERIODICAL: Tr. Gor'kovsk. inzh. -stroit. in-ta, 1956, Nr 25, pp 225-236

ABSTRACT: For the preservation of a desired hydraulic regime in intercepting collecting sewers the depth of the water at the point of the confluence should be equal to or less than the depth of the merging flows, which condition can be attained by an increase in the slope of the intercepting sewers (drawdown; Transl. Ed. Note). The paper submits the results of experimental investigations with models of intercepting-sewer collectors, as well as examples of flume-design calculations. Bibliography: 5 references.

V. V. Fandeyev

Card 1/1

KOZIN, V.N. (g.Gor'kiy)

Calculation of stilling bays. Vod. i san. tekhn. no.9:13-16 S '60.
(MIRA 13:11)

(Sewer design)

KOZIN, V.N., inzh.

Calculation of shaft drops in a sewer system. Trudy GIS
no. 40:53-60 '61. (MIRA 17:7)

MEYEROV, A.S.; KOZHU, V.N., otv. red.

[Hydraulics and applied aerodynamics] Gidravlika i prikladnaya aerodinamika. Gor'kii, Gor'kovskii inzhenerno-stroitel.in-t. Pt.2. [Aerohydrodynamics; manual] Gidroaerodinamika; uchebnoe posobie. 1964. 112 p.
(MIRA 17:10)

SEZIN, V.N., inzh.

Hydraulic resistance of round pipes with a free-flowing liquid.
Izv.vys.ucheb.zav.; energ. 8 no.3:103-109 Mr '65.

(MIRA 18:4)

1. Gcr'kovskiy inzhenerno-stroitel'nyy Institut imeni V.P.Chkalova.
Predstavlena kafedroy gidravliki i geodezii.