

MARTYNOV, I.V.; KRUZLYAK, Yu.L.

Halo- $\alpha$ -nitrocarboxylic acids. Part 9: Derivatives of fluoronitroacetic acid. Zhur. ob. khim. 35 no.6:967-969 Je '65.  
(MIRA 18:6)

ACC NR: AP6030553

SOURCE CODE: UR/0413/66/000/016/0031/0032

INVENTOR: Martynov, I. V.; Privezentseva, N. F.; Kruglyak, Yu. L.

ORG: none

TITLE: Preparation of mixed esters of alkylfluorophosphoric acids and halogen substituted oximes. Class 12, No. 184847

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 31-32

TOPIC TAGS: phosphate,  
alkyl fluorophosphate, halogenated oxime, dialkyl phosphate, ester,  
phosphoric acid, halogenated organic compound, organic oxime compound, chemical reaction

ABSTRACT: In the proposed method, mixed esters of alkylfluorophosphoric acids and halogenated oximes are obtained by the reaction of dialkyl phosphates with chloronitro- or chloronitrosomethanes in an inert solvent.  
[WA-50; CBE No. 11]

SUB CODE: 07/ SUBM DATE: 17Aug63/

Card 1/1

UDC: 547.288.4'22'118.07

ACC NR: AP6030557

SOURCE CODE: UR/0413/66/000/016/0032/0032

INVENTOR: Martynov, I. V.; Kruglyak, Yu. L.; Gololobov, Yu. G.; Leybovskaya, G. A.

ORG: none

TITLE: Preparation of mixed esters of diethylphosphoric acid and oximes of glyoxalic acid esters. Class 12, No. 184852

SOURCE: Izobreteniya, ...myshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 32

... nitro compound,  
... diethylphosphoric acid ester, glyoxalic acid oxime, trialkyl phosphate, phosphoric acid, organic oxime compound, acetate, chlorine compound

ABSTRACT: To obtain physiologically active compounds of mixed esters of ethylphosphoric acid and oximes of glyoxalic acid esters, chloronitroacetates are treated with trialkyl phosphites with cooling, then the reaction mixture is heated to 50°. [WA-50; CBE No. 11]

SUB CODE: 07/ SUBM DATE: 26May62/

Cord 1/1

UDC: 547.419.1.07

MARTYNOV, Kirill Borisovich; NASTAY, N.N., red.; MATYUSHINA, S.P.,  
red. izd-va; LAVRENOVA, N.B., tekhn. red.

[Equipment for navigation channels; visual aids and methods]  
Navigatsionnoe oborudovanie morskikh putei; zritel'nye sred-  
stva i metody. Moskva, Izd-vo "Morskoi transport," 1962. 263 p.  
(MIRA 15:5)

(Aids to navigation)

SMIRNOV, M.P.; TARKHOV, N.G.; ~~MARTYNOV, K.V.~~; KRAVCHENKO, P.T.

Vacuum removal of zinc from lead at "Electrozinc" plant. Biul.  
TSIIN tsvet. met. no.8:21-26 '58. (MIRA 11:6)  
(Lead--Electrometallurgy) (Vacuum metallurgy)

**KRAVCHENKO, P.T.; MARTYNOV, K.V.**

Using oxygen-enriched air in smelting lead in shaft furnaces.  
Bibl. TSIIN tsvet. met. no.9:20-22 '58. (MIRA 11:6)  
(Lead—Metallurgy) (Metallurgical furnaces)

MARTYNOV, Lev Aleksandrovich

Of the Influence of Some Medicinal Substances and Poisons in Activity  
(suktsinodopidruzy) Heart Muscles of Man and of this Dependence from Active  
Reaction of the Heart

Dissertation for candidate of a Medical Science degree. Chair of Pharmacology  
(head, Prof. N. A. Shmelev), Saratov Medical Institute, 1951

*MARTYNOV, L.A.*  
USSR/Medicine - Pharmacophysiology

FD-856

Card 1/1      Pub.30 - 7/18

Author        : Martynov, L. A.

Title         : Changes in the activity of succino-dehydrogenase and lipase in the organs of rabbits at various stages in the development of fatty dystrophy and during its treatment by certain pharmacological agents

Periodical    : Farm. i toks. 17, 30-32, Jul/Aug 54

Abstract     : During fatty dystrophy caused by novarsenol, significant changes occur in the activity of succino-dehydrogenase in the heart, kidneys, and liver, but there is no change in the activity of lipase. Prior administration of barbamil lessens the decrease in succino-dehydrogenase activity, and ascorbic acid increases it slightly. The results of the experiments are given in three charts. Two Soviet references are cited.

Institution   : The (Chair of Pharmacology (Head - Prof. K. A. Shmelev) of the Saratov Medical Institute

Submitted    : --



MALKINA, M.G., MARTYNOV, L.A.

Stimulation of pyrogenic effect of sulfozine. Farm. i toks. 21 no.3  
47-49 Ny-Je '58 (MIRA 11:7)

1. Kafedra psikiatrii (zav. - prof. M.P. Kutanin) i kafedra  
farmakologii (zav. - dots. B.G. Volynskiy) Saratovskogo gosudarstvennogo  
meditsinskogo instituta.

(FEVER, experimental,

increase of pyretic eff. of sulfozine with amphetamine  
(Rus))

(AMPHETAMINE, effects,

increase of pyretic eff. of sulfozine (Rus))

MARTYNOV, L.A.

Amount of pyruvic acid in the blood in rabbits with phosphorus poisoning and following their treatment with barbamil, sodium bicarbonate, and ascorbic acid. Trudy Sar. gos. med. inst. 26:128-131 '59. (MIRA 14:2)

1. Saratovskiy meditsinskiy institut, kafedra farmakologii (zav. - dotsent B.G. Volynskiy).  
(PYRUVIC ACID) (PHOSPHORUS--TOXICOLOGY) (AMOBARBITAL)  
(SODIUM CARBONATES) (ASCORBIC ACID)

VOLYNSKIYY B.G.; FREYDMAN, S.L.; BENDER, K.I.; KUZ'MINA, K.A.;  
KUZNETSOVA, S.G.; MARTYNOV, L.A. (Saratov)

Prevention and treatment of radiation sickness in an experiment.  
Med.rad. no.9:81 '61. (MIRA 15:1)  
(RADIATION SICKNESS)

FURSAYEV, A.D., zasl. deyatel' nauki RSFSR, doktor biol. nauk  
[deceased]; VORONINA, K.V.; VOLYNSKIY, B.G., kand. med.  
nauk; FREYDMAN, S.L.; BENDER, K.I.; KUZ'MINA, K.A.;  
MARTYNOV, L.A.; KUZNETSOVA, S.G.; VINNIKOVA, I.A., red.;  
ZENIN, V.V., tekhn. red.

[Medical plants and their utilization in medicine] Lekar-  
stvennye rasteniya i ikh primenenie v meditsine. [n.p.]  
Izd-vo Saratovskogo univ., 1962. 202 p. (MIRA 16:6)  
(BOTANY, MEDICAL)

MARTYNOV, I. I. (1918-1988); KRYZHEV, A. Z., kand. tekhn. nauk; K'EMPERO, Ye. D.

... making of ... of the mechanism for ...  
... sealing the pipe in an automatic mill. Stal' 25 no. 12  
... D 168. (MIRA 18 12)

TSESHKOVSKIY, E.V., inzh.; MARTYNDV, L.M., starshiy master

Use of pneumatic valves in MZTA electronic automatic control  
systems. Energetik 11 no.8:11-12 Ag '63. (MIRA 16:10)

FRID, Ye.A.; MARTYNOV, L.N.

Photoelectric refraction indicator for level gauging. Med.prom. 10  
no.3:43 J1-S '56. (MIRA 9:11)

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgiche-  
skoy apparatury i instrumentov.  
(REFRACTOMETRY) (GAUGES)

VAYNRIB, Ye.A.; FRID, Ye.A.; MARTYNOV, L.N.; AHAN'YEV, M.G.; MUSHEGYAN, S.A.;  
LSVITSKAYA, L.A.

Apparatus for artificial blood circulation. Med.prom. 11 no.2:  
50-55 D '57. (MIRA 11:2)

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgi-  
cheskoy apparatury i instrumentov.  
(PERFUSION PUMP (HEART))



Gorbovitskiy, E. B., Mushegyan, S. A., Il 'inich, V. I., Filimonov, S. I., and Martynov, I. N.

"A simple artificial respirator for experimental purposes."  
Novye khirurgicheskie apparaty i instrumenty i opyt ikh primeneniya,  
No. 2, 1958, p. 136.

VAYNRIB, Ye.A., FRID, Ye.A., KOZLOV, Yu.G., MARTYNOV, L.N., MUSHEGYAN, S.A.  
LEVITSKAYA, L.A.

Clinical model of apparatus for artificial blood circulation; method  
of preparation and directions [with summary in English]. Eksper.  
khir. 3 no.3:15-24 My-Je '58 (MIRA 11:8)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy  
khirurgicheskoy apparatury i instrumentov (dir. M.G. Anan'yev)  
Ministerstva zdravookhraneniya SSSR.

(HEART, artif.  
extracorporeal circ., clin. model & principles of  
operation (Rus))

ANAN'YEV, M.G., MUSHEGYAN, S.A., LEVITSKAYA, L.A., VAYNRIB, Ye.A., FRID, Ye.A.  
KOZLOV, Yu.A., MARTYNOV, L.N.

Apparatus for artificial blood circulation made by the Scientific  
Research Institute for Experimental Surgical Apparatus and Instruments  
and results of experimental use [with summary in English]. Eksper.  
khir. 3 no.3:25-31 My-Je '58 (MIRA 11:8)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy  
khirurgicheskoy apparatury i instrumentov (dir. M.G. Anan'yev)  
Ministerstva zdravookhraneniya SSSR.

(HEBART, artif.

extracorporeal circ., in dogs (Rus))

ANAN'YEV, M.G.; VAYNRIB, Ye.A.; VISHNEVSKIY, A.A.; KOZLOV, Yu.G.; LEVITSKAYA,  
L.A.; MARTYNOV, L.N.; MUSHEGYAN, S.A.; FRID, Ye.A.

Improvement of the artificial heart apparatus designed by the Scientific Research Institute of Experimental Surgical Apparatus and Instruments. Eksper.khir. 4 no.5:3-8 S-0 '59. (MIRA 13:1)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy khirurgicheskoy apparatury i instrumentov (dir. M.G. Anan'yev) i Instituta khirurgii imeni A.V. Vishnevskogo (dir. - deystvitel'nyy chlen AMN SSSR A.A. Vishnevskiy) AMN SSSR.

(HEART, MECHANICAL, equipment and supplies)

VAYNRIB, Ye.A.; MARTYNOV, L.N.; FRID, Ye.A.; KOZLOV, Yu.G.; ANAN'YEV, M.G.;  
MUSHEGYAL, S.A.; LEVITSKAYA, L.A.

Apparatus for artificial blood circulation. Med.prom. 14 no.11:40-45  
N '60. (MIRA 13:11)

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgicheskoy  
apparatury i instrumentov.

(BLOOD--CIRCULATION, ARTIFICIAL)  
(MEDICAL INSTRUMENTS AND APPARATUS)

ANAN'YEV, M.G.; VAYNRIB, Ye.A.; KOZLOV, Yu.G.; LEVITSKAYA, L.A.; MARTYNOV,  
L.N.; MUSHEGYAN, S.A.; FRID, Ye.A.

Improved apparatus for artificial blood circulation (the AIK of 1959)  
and new data on its use. Trudy NIIKHA1 no.5:113-118 '61.

(MIRA 15:8)

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgi-  
cheskoy apparatury i instrumentov.

(PERFUSION PUMP (HEART))



L 48299-65 EPA(a)-2/EAT(m)/EVA(c)/EWP(v)/T/EWP(l)/EWP(k)/EWP(z)/EWP(b)/  
 EWA(c) Pf-4 IJP(c) MSW/JL/HM/SB  
 ACCESSION NR: AP5006973 8/0128/65/000/002/0009/0010 44  
 6

AUTHOR: Rostovtsev, L. I. (Engineer); Vashchenko, K. I.; Lyutyi, V. A. (Engineer)  
Martynov, L. P.; Yanover, Ya. D. (Engineers)

TITLE: High chromium steel for heat-resistant castings

SOURCE: Liteynoye proizvodstvo, no. 2, 1965, 9-10

TOPIC TAGS: steel casting, heat resistant casting, heat resistant steel, high chromium steel, steel mechanical property, steel weldability, casting strength/ Kh21L sub ce steel, Kh24N12SL steel, Kh18N19TL steel

ABSTRACT: The authors describe the positive effect of additions (in unspecified proportions) of high-carbon scrap steel, low-carbon scrap ferrochromium, ferro-silicon, ferromanganese, scrap metal mixture and ferrotitanium on the impact toughness, structural coarseness, and casting and welding behavior of Kh21L<sub>ce</sub> (0.10-0.41% C, 19.5-22.1% Cr, 0.88-2.33 Si, 0.4-0.7% Mn and 0.1-0.5% Ce), Kh24N12SL (0.11-0.20% C, 11.3-14.1% Ni, 23.0-28.0% Cr, 0.75-3.00% Si and 0.2-0.35% Mn) and Kh18N19TL (0.28% C, 9.0% Ni, 16.6% Cr, 1.7% Si and 0.29% Mn) steels. The following properties of castings prepared in the laboratory and in the foundry were investigated: crack resistance, fluidity, heat-resistance

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L 48999-65

ACCESSION NR: AP5006973

3

(weight loss of 0.14-7.58 g/m<sup>2</sup>·hr. in an intermittent treatment at 1000C for 100 hrs.), elongation (0.10-8%) and tensile (26.3-61.9 kg/mm<sup>2</sup>) strength, welding properties, impact toughness (0.2-0.4 kg-m/cm<sup>2</sup>), and machining behavior. The economic advantages of the industrial use of these quality steels in place of high-nickel steels are noted. "Welding properties were tested in the Institute svarki AN UkrSSR (Welding Institute, AN UkrSSR). The remainder of the work was carried out in the Bazovaya liteynaya laboratoriya Kiyevskogo politekhnicheskogo instituta (Base Casting Laboratory, Kiev Polytechnic Institute) and the "Leninskaya kuznitsa" zavod ("Leninskaya kuznitsa" Plant)." Orig. art. has: 2 tables.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NO REF SOV: 003

OTHER: 000

Card 2/2

BOVINSKAYA, L.P., aspirantka; MARTYNOV I.I., prof., rukov. inst. i katedry

Calculating the length and weight of knitted wear and  
goods. Tekst. prom. 25.07.3:48.50. Nr 165. 1965.

1. Leningradskiy institut tekstil'noy i legkooy promyshlennosti  
Imeni S.M. Kirova (for Bovinskaya).

MARTYNOV, L.S., prof. doktor. tekhn. nauk; RATNER, G.S.; LAZARENKO, V.M.,  
kand. tekhn. nauk, dotsent; LINSKIY, V.V.; DALIDOVICH, A.S.,  
prof., doktor tekhn. nauk

Problems in the analysis of the process of loop formation.  
Tekst. prom. 25 no.4:72-81 Ap '65. (MIRA 18:5)

1. Leningradskiy institut tekstil'noy i legkoy promyshlennosti imeni S.M. Kirova (for Martynov). 2. Glavnyy inzh. trikotazhnoy fabriki "Krasnoye znamya" Soveta narodnogo khozyaystva Leningradskogo ekonomicheskogo rayona (for Ratner). 3. Leningradskiy institut tekstil'noy i legkoy promyshlennosti imeni S.M. Kirova (for Lazarenko). 4. Vedushchiy konstruktor Spetsial'nogo konstruktor-skogo byuro trikotazhnykh mashin (for Linskiy). 5. Moskovskiy tekstil'nyy institut (for Dalidovich).

MARTYNOV, M.A.

[Plastics in construction; manual for students of civil engineering institutes]Plastmassy v stroitel'stve; posobie dlia studentov inzhenerno-stroitel'nykh institutov. Kiev, Kievskii inzhenerno-stroit. in-t, 1959. 31 p.  
(MIRA 15:8)

(Plastics)

(Building materials)



MARTYNOV, M.A.; VYLEGZHANINA, K.A.

X-ray diffraction method for determining the degree of polymerization of polymers. Plast. massy no.8:50-53 '65. (XTRA 12:9)

L 2170-66 EWT(m)/EWP(j) RM

ACCESSION NR: AP5024497

UR/0191/65/000/010/0006/0008

. 678. 742. 2+678. 742. 4:678. 023. 334

AUTHOR: Martynov, M. A.; Yuzhin, V. M.; Malushin, A. I.; Tkachenko, G. F.

TITLE: Compatibility of high density polyethylene with polyisobutylene

SOURCE: Plasticheskiye massy, no. 10, 1965, 6-8

TOPIC TAGS: polyisobutylene, polyethylene plastic, electric cable, crystalline polymer, amorphous polymer, polymer structure, elasticity, elongation, tensile stress, composite material

ABSTRACT: Reduction of rigidity in cable made of high density polyethylene by incorporation of amorphous polyisobutylene (PIB) was examined. X-ray examination of compositions comprising partially crystallized high density polyethylene with 5-20% amorphous PIB showed that the two polymers are incompatible. Introduction of PIB to the polyethylene improved its elasticity and increased its resistance to cracking, but progressively reduced its strength. Maximum relative elongation was obtained with 5% PIB. Improvement in the elastic properties of the composition is explained by increase in the amorphous phase content and decrease

Card 1 / 2

L 2170-66

ACCESSION NR: AP5024497

in the role of the crystalline phase and to polymer incompatibility. Orig. art.  
has: 3 figures and 1 table

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: MT, *CC*

NR REF SOV: 007

OTHER: 001

*dy*  
Card 2/2



L 23076-66 EWT(m)/EWP(j) RM-

ACC NR: AP6010103 (A) SOURCE CODE: UR/0190/66/008/003/0376/0379

AUTHORS: Martynov, M. A.; Valegshanina, K. A. 55

ORG: Scientific Research Institute of Polymerization Plastics  
(Nauchno-issledovatel'skiy institut polimerizatsionnykh plastmass) 54 B

TITLE: Changes of the crystalline structure of polypropylene in the thermal aging process

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 3, 1966, 376-379

TOPIC TAGS: crystalline polymer, crystallization, polymer, amorphous polymer, thermal aging, annealing, molecular structure, oxidation, heat effect

ABSTRACT: It was observed that during the thermal <sup>15</sup>aging of polypropylene, its crystallinity and microcrystal sizes grow at the beginning of the process, and then the polymers become amorphous. The samples oriented without sufficient annealing during the elongation lose their orientation and, conversely, those with small natural orientation become better oriented. In thermally decomposed samples, one can observe not only the spherulitic structure but also a number of different molecular structures, including monocrystals. The described changes 2

Card 1/2

UDC: 678.01:53+678.742

L 23076-66

ACC NR: AP6010103

are ruled by the process of crystallization and oxidation destruction due to the combined action of heat and oxygen. The authors thank G. N. Martynov for his help in this work. Orig. art. has: 5 figures. [Based on author's abstract] [NT]

SUB CODE: 07, 11/

SUBM DATE: 20Jan65/  
OTH REF: 004/

ORIG REF: 002/

Cord

2/2

JLR

МАРТИ СЫ, М. А.

36602. К вопросу о влиянии температуры на скорость сублимации. Докл. Акад. наук СССР, 1968, т. 171, № 1, с. 10-11. - Библиогр.: 1 назв.

36: Letopis' Shurnal'nykh dokl. Akad. Nauk SSSR, 1968, vol. 171, no. 1

MARTYNOV, M.A.; PASECHNIK, Ye.A., *otv. za vypusk*

[Carbocyclic compounds; manual of organic chemistry for students of the Kiev Institute of Civil Engineering] Karbotsiklicheskie soedineniia; posobie po organicheskoi khimii dlia studentov Kievskogo inzhenerno-stroitel'nogo instituta. Kiev, Kievskii inzhenerno-stroitel'n-t, 1960. 73 p.  
(MIRA 15:8)

(Cyclic compounds)

MARTYNOV, M.A.

Practice of using automatic telephone exchanges installed in dwellings on the municipal telephone network in Leningrad. Vest. sviazi 22 no.2:21-22 F '62. (MIRA 15:2)

1. Glavnyy inzh. Leningradskoy gorodskoy telefonnoy seti. (Leningrad--Telephone, Automatic)

VIETNAM  
[Faint, illegible text follows]

MARTYNOV, M. B. and VYSOKOSOV, I. I.

"Mountain Electro-Technique", published by State Publishers of Coal-Technique Literature, Moscow, 1948

MARTYNOV, M.B.

Technology

(Methods of practical laboratory work on electrical engineering in mines).  
Moskva, Sgletekhizdat, 1951.

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



USSR/Farm Animals - Cattle.

Q-3

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30947

Author : Martynov M.I.

Inst : -

Title : The Improvement of the Crosses of the Red Steppe and Shorthorn Breeds in the Tselinskiy Grain-Sovkhoz. (Sovershenstvovaniye pomesey krasnoy stepnoy i short-gornskoy porod v Tselinskom zernosovkhoze).

Orig Pub : Tr. Nonocherkasskogo zootkhn.-vat. in-ta, 1957, vyp. 10, 25-34.

Abstract : In the Tselinskiy grain-sovkhoz of the Rostov Oblast', work is performed for producing their own dairy-meat type breed by way of interbreeding the Red Steppe breed with the Shorthorns, by the raising of the crosses within the breed, by a directed selection, and thus producing lines and families of highly productive animals. Characteristics of the cattle, plan of the breeding work,

Card 1/2

MARTYNOV, M.I., general-mayor aviatsii, voyenny letchik pervogo  
klasse; FADDEYEV, N.I., polkovnik, voyenny shturman pervogo  
klasse

Isn't it about time we changed the procedure in flight pre-  
paration. Vest.Vozd.Fl. no.1:22-26 Ja '60.  
(MIRA 13:8)

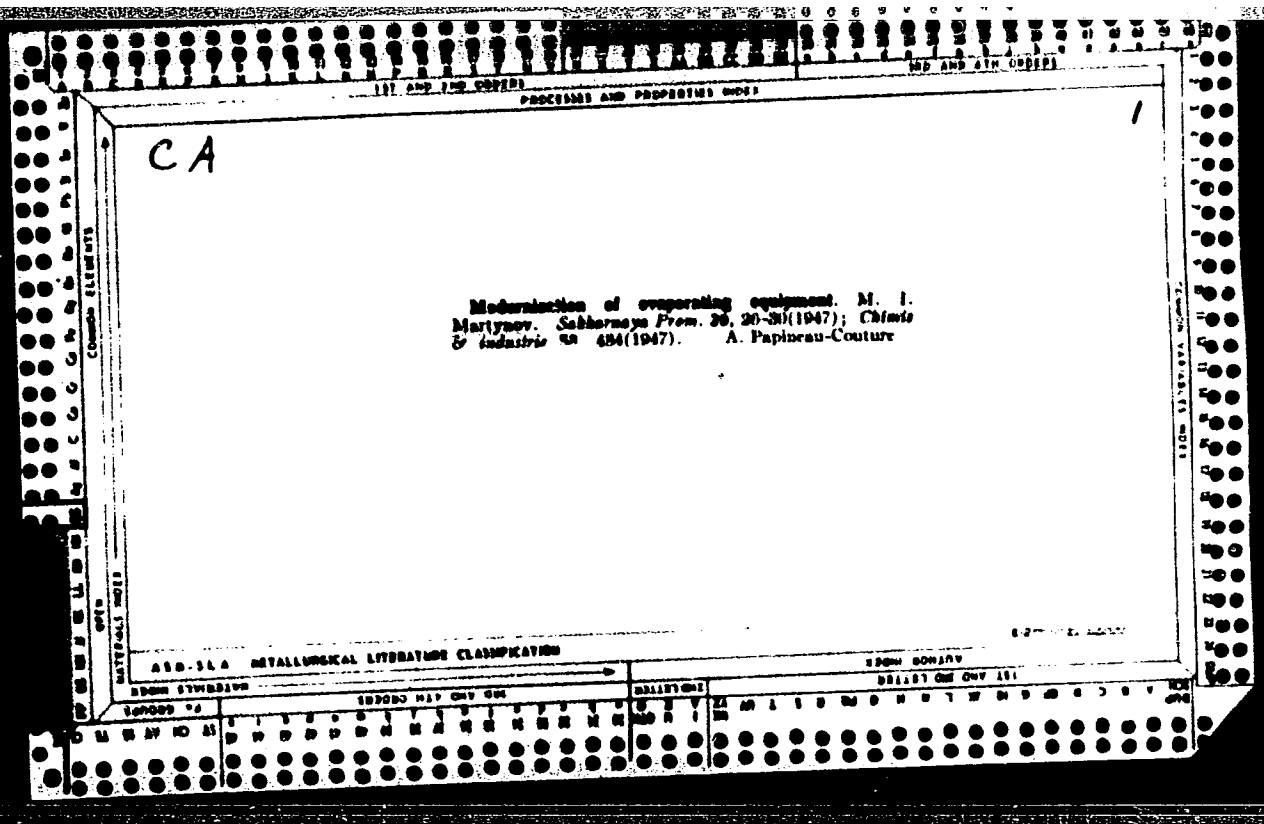
(Flight training)

MARTYNOV, M. I.

Card. Tech. Sci.

Dissertation: "Investigation of Separate Parts of Evaporators." Moscow Technological  
Inst of Food Industry, 15 Apr 47.

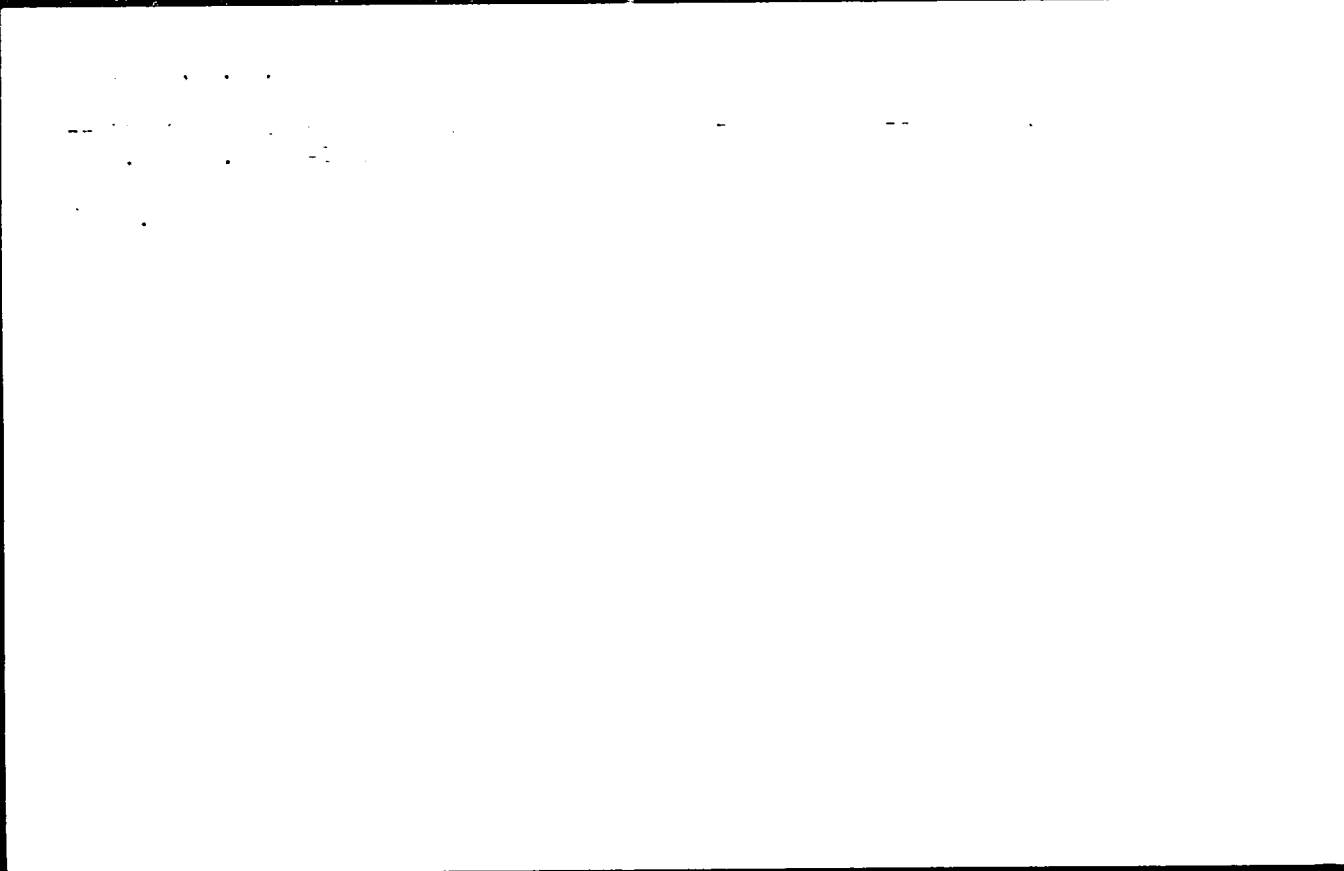
SC: Vechernyaya Moskva, Apr, 1947 (Project #1772)



Increase of capacity of vertical evaporators M 1  
Martyusov Nakhrenov Prom. 24, No. 11, 28.12.1951  
V. I. Baikov

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001032620008-9



APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001032620008-9"

MARTYNOV, M.I., direktor; SOKOLOVSKIY, A.L., zastitel' direktora instituta.

~~Production line of candies.~~ Nauka i zhizn' 20 no.11:13-16 N '53.

(MLBA 6:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut konditorskoy promyshlen-  
nosti. (Confectionery)

MARTYNOV, M. I.

MARTYNOV, M.I., kandidat tekhnicheskikh nauk, redaktor; SOKOLOVSKIY, A.L.,  
~~professor~~, redaktor.

Production of caramel and pastry by the continuous mechanized me-  
thod. Trudy VNIIT no.9:3-183 '54. (MIRA 7:8)  
(Confectionery) (Pastry)



MARTYNOV, M.I.; SOKOLOVSKIY, A.L.

Twenty-fifth anniversary of the All-Union Scientific Research  
Institute of the Confectionery Industry. Khleb. i kond. prom.  
1 no.12:1-4 D '57. (MIRA 11:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut konditerskoy  
promyshlennosti.

(Confectionery)

ANTOKOL'SKAYA, Mir'yam Yakovlevna; BRONSHTEYN, Isaak Iosifovich;  
MARTYNOV, Mikhail Ivanovich; SMIRNOV, Anatoliy Fedorovich;  
SHKLOVSKAYA, Anna Yevgen'yevna; ZHUKAVLEVA, Ye.I., retsenzent;  
SOLOMONOV, P.I., retsenzent; YERMOKHINA, N.V., red.;

[Manual on raw materials, intermediate products and finished products in confectionery; manufacture; physicochemical characteristics] Spravochnik po syr'iu, polufabrikatam i gotovym izdeliham konditerskogo proizvodstva; fiziko-khimicheskie kharakteristiki. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 229 p. (MIRA 17:5)

MARTYNOV, M.I.; SHKLOVSKAYA, A.Ye.

Determining the coefficient of heat transmission in coil vacuum  
apparatuses. Trudy VNIIE no.16:17-21 '62. (MIRA 16:5)  
(Heat--Transmission) (Vacuum apparatus)

GLADILIN, A.A.; GLUKHOV, D.S.; YEREMIN, V.I.; ZVEREVA, N.F.; LAPIN, K.N.;  
MAMONOVA, A.S.; MARTYNOV, M.K.; CHIRKOV, N.Ye.; MIKHAL'CHIKOV,  
P.I.; POLYACHKIN, M.A., red.; ANTONOV, V.P., tekhn. red.

[Economy of Penza Province; a statistical collection] Narodnoe  
khoziaistvo Penzenskoi oblasti; statisticheskii sbornik. Penza,  
1958. 190 p. (MIRA 11:11)

1. Penzenskaya oblast'. Statisticheskoye upravleniye. (for all except  
Mikhal'chikov and Antonov).

(Penza Province--Statistics)

MARTYNOV, M.L., inzh.; Prinicimali uchastiye: BUDILENKO, L.F.; TOKAREV M.N.;  
SHAMIN, V.P.; DOBROVA, M.A.

Automatic control of water boilers. Ispol'. gaza v nar. khoz.  
no.2:226-230 '69. (MIRA 18.9)

1. Otdel konstruirovaniya sredstv mekhanizatsii i avtomatiki  
Saratovskogo gosudarstvennogo nauchno-issledovatel'skogo i  
proyektного instituta po ispol'zovaniyu gaza v narodnom  
khozaystve.

SHNITKO, L.I.; LEVYANT, G.A.; MARTYNOV, M.M.; POZHIDAYEV, V., red.;  
BRUNEVSKAYA, M., red.; SLAVYANIN, I., tekhn.red.

[Hidden capacities of the railroads in White Russia] Rezervy  
provoznoi sposobnosti zheleznnykh dorog Belorussii. Minsk, Gos.  
izd-vo BSSR. Red.nauchno-tekhn.lit-ry, 1958. 334 p.

(MIRA 12:12)

(White Russia--Railroads)

MARTYNOV, M.M.

Use of semiautomatic block system with polar line network.  
Avtom.telem.i svias' 3 no.10:1-3 0 '59. (MIRA 13:2)

1. Nachal'nik tekhnicheskogo otdela sluzhby dvizheniya  
Belorusskoy dorogi.  
(Railroads--Signaling--Block system)

MARTYNOV, M.M.

Intensive utilization of the traffic capacity of single-track lines.  
Zhel.dor.transp. 44 no.12:70-71 D '62. (MIRA 15:12)

1. Nachal'nik tekhnicheskogo otdela sluzhby dvizheniya Belorusskoy  
dorogi, Minsk.

(Railroads--Traffic)



MARTYNOV, M. S., jt. au.

Organizing transportation of perishable goods on railroad. Moskva, Gos. transp. zhel-dor. izd-vo, 1941. (Mic 53-371)

Collation of the original: 247 p.

MARTYNOV, M., inzhener.

Rail transportation of refrigerated products. Khol.tekh. 34  
no.3:35-36 J1-S '57. (MIRA 10:10)  
(Refrigerator cars) (Food transportation)

[90]  
MARTYNOV, M., inzh.

Prospects for the development of refrigerated railway transportation.  
Khol. tekhn. 35 no. 3:1-4 My-Je '58. (MIRA 11:7)

1. Nachal'nik otдела Ministerstva putey soobshcheniya.  
(Refrigerator cars)

MARTYNOV, M.S., inzh.

Growth in the use of refrigerator cars in transportation. Zhel.  
dor. transp. 40 no. 7:29-34 J1 '58. (MIRA 11:7)  
(Refrigerator cars)

MARTYNOV, M. S., GOOSSEV, S. O.

"A New Iced Car with Overhead Cooling Equipment."

Report submitted for the 10th Intl. Refrigeration Congress, Copenhagen,  
19 August - 2 September 1959.

KOBULASHVILI, Sh. N., MARTYNOV, M. S., SHAPOVALENKO, M. M.

"Operation of Mechanically Refrigerated Railway Trains in the USSR."

Report submitted for the 10th Intl. Refrigeration Congress, Copenhagen,  
19 August - 2 September 1959.

VINOGRADOVA, Yevgeniya Nikolayevna; MARTYNOV, Mikhail Stepanovich;  
ORLOV, Viktor Grigor'yevich; POTAPOV, Vladimir Pavlovich;  
BOROVOY, N.Ye., red.; KHITROVA, N.A., tekhn.red.

[Experience in the transportation of farm produce] Opyt perevozk  
sel'skokhoziaistvennykh gruzov. Moskva, Vses.izdatel'sko-poligr.  
ob"edinenie M-va putei soobshchenia, 1960. 55 p.

(MIRA 13:10)

(Farm produce--Transportation)

MARTYNOV, Mikhail Stepanovich; NITICHKIN, Aleksandr Yefimovich;  
GIMPELEVICH, Samuil L'vovich; CHICHKOV, N.V., red.; KISELEVA,  
A.A., tekhn.red.

[Refrigerated transportation] Kholodil'nyi transport. Moskva,  
Gos.izd-vo torg.lit-ry, 1960. 175 p. (MIRA 13:12)  
(Refrigerator cars) (Refrigerator ships)  
(Refrigerated motortrucks)



MARTYNOV, M.S.

Development of the refrigerator-car transportation during the current seven-year plan. Khol. tekhn. 38 no.5:20-21 S-0 '61.

(MIRA 15:1)

1. Nachal'nik otdela kholodil'nogo khozyaystva i perevozok skoroportyashchikhsya gruzov Glavnogo gruzovogo upravleniya Ministerstva putey soobshcheniya SSSR.

(Refrigerator cars)

KOCHETOV, S.N., inzh.; MARTYNOV, M.S., inzh.

Improve the organization of perishable goods transportation.  
Zhel.dor.transp. 43 no.8:30-34 Ag '61. (MIRA 14:8)  
(Refrigerator cars) (Food preservation)

MAKARENKO, P.G., inzh.; SHAPOVALENKO, M.M., inzh.; MARTYNOV, M.S., inzh.,  
retsenzent; MALAKHOV, K.N., inzh., retsenzent; PETROVA, V.L.,  
inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Transportation of perishable goods and efficiency of various types  
of isothermal railroad cars] Voprosy perevozok skoroprotivoshchikhsia  
gruzov i effektivnost' razlichnykh tipov izotermicheskikh  
vagonov. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va  
putei soobshcheniia, 1962. 82 p. (Moscow. Vsesoiuznyi  
nauchno-issledovatel'skii institut zheleznodorozhnogo transporta.  
Trudy, no.234).

(MIRA 15:8)

(Refrigerator cars)

MARINOV, Girsh Ayzikovich; NEKRUTMAN, Semen Veniaminovich; OSADCHUK, Grigoriy Ivanovich; MARTYNOV, M.S., inzh., retsenzent; TSARENKO, A.P., inzh., red.; MEDVEDEVA, M.A., tekhn. red.

[Operation of cars with mechanical refrigeration] Eksploatatsia vagonov s mashinym okhlazhdeniem. Moskva, Transzheldorizdat, 1962. 163 p. (MIRA 15:6)

(Refrigerator cars)

DRUGAL', Sergey Aleksandrovich; ZUBAREV, Viktor Vasil'yevich;  
KOGAN, L.A., kand. tekhn.nauk, retsenzent; MARTYNOV, M.S.,  
inzh., retsenzent; FEDORCHUK, V.A., kand. tekhn. nauk,  
retsenzent; FILIPPOVA, L.S., red.; SHISHLYKOV, Ye.S., inzh.,  
red.; USENKO, L.A., tekhn. red.

[Experience in the mechanization of the servicing of  
refrigerator cars] Opyt mekhanizatsii ekipirovki vagonov-  
lednikov. Moskva, Transzheldorizdat, 1963. 31 p.

(Refrigerator cars)

(MIRA 16:5)

(Railroads--Equipment and supplies)

MARTYNOV, M.S.; POTAPOV, V.P., inzh., reitsent; SOTNIKOVA, M.A.,  
inzh., reitsent; SHISHLYKOV, Ye.S., inzh., red.;  
VOROTNIKOVA, L.P., tekhn. red.

[Transportation of perishable goods] Perevozki skoroportia-  
shchikhsia Грузов. Moskva, Transzheldorizdat, 1963. 331 p.  
(MIRA 16:7)

(Railroads--Freight) (Refrigerator cars)

FEDORCHUK, V.A.; MARTYNOV, M.S., inzh., retsenzent; SHISHKIN, G.S.,  
inzh., red.; VOROB'YEVA, L.V., tekhn. red.

[Mechanization of the servicing of ice-cooled refrigerator  
cars] Mekhanizatsia ekipirovki vagonov-lednikov. Moskva,  
"Transport," 1964. 65 p. (MIRA 17:3)

MARTYNOV. M. T., Engineer; LYUBASHEVSKY, S. S.

Water Pipes.

Automatic welding of pipe line installations. Gidr. stroi. 21 no. 4, 1952.

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



MARTYNOV. M. V.

Author: Martynov, M. V.

Title: Mining electrotechnics. Second Revised and completed issue. Approved  
as a handbook for mining industrial institutes. (Gornaia elektrotekhnika)  
247 p.

City: Moscow

Publisher: Coal Industry Technical Publication

Date: 1950

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 4, No. 5, p. 316

Call No: TN343.M3

Subject: Electricity in Mining. 2. Electrical Engineering.

Майоров, Михаил Васильевич, 1896-

Methods of practical electrical engineering, laboratory work in electricity;  
textbook. Moskva, Vspetekhnizdat, 1941. 119 p. (15-29064)

TN343.F74

1. Electricity, in Russian. I. Martynov, Mikhail Vasil'evich, 1896-

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BEYLINA, TS.O., inzhener; BLAGONADEZHIDIN, V.Ye., inzhener; BOGUSLAVSKIY, P.Ye., kandidat tekhnicheskikh nauk; VORONKOV, I.M., professor, GITINA, L.Ya., inzhener; GROMAN, M.B., inzhener; GOROKHOV, N.V., doktor tekhnicheskikh nauk [deceased]; DENISYUK, I.N., kandidiat tekhnicheskikh nauk; DOVZHIK, S.A., kandidat tekhnicheskikh nauk; DUKEL'SKIY, M.P., professor, doktor khimicheskikh nauk [deceased]; DYKHOVICHNYY, A.I., professor; ZHITKOV, D.G., professor, doktor tekhnicheskikh nauk; KOZLOVSKIY, N.S., inzhener; LAKHTIN, Yu.M., doktor tekhnicheskikh nauk; LEVENSON, L.B., professor, doktor tekhnicheskikh nauk [deceased]; LEVIN, B.Z., inzhener; LIPKAN, V.F., inzhener; MARTYNOV, M.V., kandidat tekhnicheskikh nauk; MOLEVA, T.I., inzhener; NOVIKOV, F.S., kandidat tekhnicheskikh nauk; OSETSKIY, V.M., kandidat tekhnicheskikh nauk; OSTROUMOV, G.A.; PONOMARENKO, Yu.F., kandidat tekhnicheskikh nauk; RAKOVSKIY, V.S., kandidat tekhnicheskikh nauk; REGIRER, Z.L., inzhener; SOKOLOV, A.N., inzhener; SOSUNOV, G.I., kandidat tekhnicheskikh nauk; STEPANOV, V.N., professor; SHEMAKHANOV, M.M., kandidat tekhnicheskikh nauk; EL'KIND, I.A., inzhener; YANUSHEVICH, L.V., kandidat tekhnicheskikh nauk; BOKSHITSKIY, Ya.M., inzhener, redaktor; BULATOV, S.B., inzhener, redaktor; GASHINSKIY, A.G., inzhener, redaktor; GRIGRO'YEV, V.S., inzhener, redaktor; YEGURNOV, G.P., kandidat tekhnicheskikh nauk, redaktor; ZHARKOV, D.V., dotsent, redaktor; ZAKHAROV, Yu.G., kandidat tekhnicheskikh nauk, redaktor; KAMINSKIY, V.S., kandidat tekhnicheskikh nauk, redaktor; KOMARKOV, Ye.F., professor, redaktor; KOSTYLEV, B.N., inzhener, redaktor; POVAROV, L.S., kandidat tekhnicheskikh nauk, redaktor; ULINICH, F.R., redaktor; KLORIK'YAN, S.Kh., otvetstvennyy redaktor; GLADILIN, L.V., redaktor;  
(Continued on next card)

BEYLINA, TS.O. --- (continued) Card 2.

RUPPENYET, K.V., redaktor; TERPIGOREV, A.M., glavnyy redaktor;  
BARABANOV, F.A., redaktor; BARANOV, A.I., redaktor; BUCHNEV, V.K.,  
redaktor; GRAFOV, L.Ye., redaktor; DOKUKIN, A.V., redaktor; ZADEMID-  
KO, A.N., redaktor; ZASYAD'KO, A.F., redaktor; KRASHIKOVSKIY, G.V.  
redaktor; LETOV, N.A., redaktor; DISHIN, G.L., redaktor; MAN'KOV-  
SKIY, G.I., redaktor; MEL'NIKOV, N.V., redaktor; ONIKA, D.G.,  
redaktor; OSTROVSKIY, S.B., redaktor; POKROVSKIY, N.M., redaktor;  
POLSTYANOV, G.N., redaktor; SKOCHINSKIY, A.A., redaktor; SONIN,  
S.D., redaktor; SPIVAKOVSKIY, A.O., redaktor; STANCHENKO, I.K.,  
redaktor; SUDOPLATOV, A.P., redaktor; TOPCHIYEV, A.V., redaktor;  
TROYANSKIY, S.V., redaktor; SHEVYAKOV, L.D., redaktor; BYKHOV-  
SKAYA, S.N., redaktor izdatel'stva; ZAZUL'SKAYA, V.F., tekhnicheskiy  
redaktor; PROZOROVSKAYA, V.L., tekhnicheskii redaktor.

[Mining; an encyclopedic handbook] Gornoe delo; entsiklopedicheskii  
spravochnik. Glav.red. A.M. Terpigorev. Chleny glav.red. F.A. Bara-  
banov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po ugol'noi  
promysh]. Vol.1. [General engineering] Obshchie inzhenernye  
svedeniia. Redkollegiia toma S.Kh.Klorik'ian i dr. 1957. 760 p.  
(Mining engineering) (MLRA 10:10)

1100-1000 1100-1000

ALEKSANDROV, B.F., inzh.; BALKOV, V.M., inzh.; BARANOVSKIY, F.I., inzh.;  
BOGUTSKIY, N.V., inzh.; BUN'KO, V.A., kand.tekhn.nauk, dotsent;  
VAVILOV, V.V., inzh.; VOLOTKOVSKIY, S.A., prof., doktor tekhn.nauk;  
GRIGOR'YEV, L.Ya., inzh.; GRIDIN, A.D., inzh.; ZARMAN, L.N., inzh.;  
KOVALEV, P.F., kand.tekhn.nauk; KUZNETSOV, B.A., kand.tekhn.nauk,  
dotsent; KUSNITSYN, G.I., inzh.; LATYSHEV, A.F., inzh.; LEYBOV,  
R.M., doktor tekhn.nauk, prof.; LEYTES, Z.M., inzh.; LISITSYN, A.A.,  
inzh.; LOKHANIN, K.A., inzh.; LYUBIMOV, B.N., inzh.; MASHKEVICH,  
K.S., inzh.; MALKHAS'YAN, R.V.; MILOSERDIN, M.M., inzh.; MITNIK,  
V.B., kand.tekhn.nauk; MIKHEYEV, Yu.A., inzh.; PARAMONOV, V.I.,  
inzh.; ROMANOVSKIY, Yu.G., inzh.; RUBINOVICH, Ye.Ye., inzh.;  
SAMOYLYUK, N.D., kand.tekhn.nauk; SMEKHOV, V.K., inzh.; SMOLDY-  
REV, A.Ye., kand.tekhn.nauk; SNAGIN, V.T., inzh.; SNAGOVSKIY,  
Ye.S., kand.tekhn.nauk; FEYGIN, L.M., inzh.; FRENKEL', B.B., inzh.;  
FURMAN, A.A., inzh.; KHORIN, V.N., dotsent, kand.tekhn.nauk; CHET-  
VEROV, B.M., inzh.; CHUGUNIKHIN, S.I., inzh.; SHELKOVNIKOV, V.N.,  
inzh.; SHIRYAYEV, B.M., inzh.; SHISHKIN, N.F., kand.tekhn.nauk;  
SHPIL'BERG, I.L., inzh.; SHORIN, V.G., dotsent, kand.tekhn.nauk;  
SHTOKMAN, I.G., doktor tekhn.nauk; SHURIS, N.A., inzh.; TERPILOREV,  
A.M., glavnyy red.; TOPCHYEV, A.V., otv.red.toma; LIVSHITS, I.I.,  
zamestitel' otv.red.; ABRAMOV, V.I., red.; LADYGIN, A.M., red.;  
MOROZOV, R.N., red.; OZERNOY, M.I., red.; SPIVAKOVSKIY, A.O.,  
red.; FAYBISOVICH, I.L., red.; ARKHANGEL'SKIY, A.S., inzh., red.;

(Continued on next card)

ALEKSANDROV, B.F.---(continued) Card 2.

BELYAYEV, V.S., inzh., red.; BUKHANOVA, L.I., inzh., red.; VLASOV, V.M., inzh., red.; GLADILIN, L.V., prof., doktor tekhn.nauk, red.; GREBTSOV, N.V., inzh., red.; GRECHISHKIN, F.G., inzh., red.; GONCHAREVICH, I.F., kand.tekhn.nauk, red.; GUDALOV, V.P., kand.tekhn.nauk, red.; IGNATOV, N.N., inzh., red.; LOMAKIN, S.M., dotsent, kand.tekhn.nauk, red.; MARTYNOV, M.V., dotsent, kand.tekhn.nauk, red.; POVOLOTSKIY, I.A., inzh., red.; SVETLICHNYY, P.L., inzh., red.; SALTSEVICH, L.A., kand.tekhn.nauk, red.; SPERANTOV, A.V., kand.tekhn.nauk, red.; SHETLER, G.A., inzh., red.; ABARBARCHUK, F.I., red.izd-va; PROZOROVSKAYA, V.L., tekhn.red.; KONDRAT'YEVA, M.A., tekhn.red.

[Mining; an encyclopedic handbook] Gornoe delo; entsiklopedicheskiy spravochnik. Glav.red.A.M.Terpigorev. Chleny glav.redaktsii A.I. Baranov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.7. [Mining machinery] Gornye mashiny. Redkol.toma A.V.Topchiev i dr. 1959. 638 p. (Mining machinery) (MIRA 13:1)





FURMAN, V.B., student V kursa; MARTYNOV, M.V., dotsent, kand.tekhn.nauk

Investigation of a d.c. double-drive differential, traction engine.  
Nauch. rap. stud. GNSO MGI no.7:151-167 1959. (MIRA 14:5)  
(Electric locomotives)  
(Mine railroads)

MARTYI, V, N.

Ways to develop independence. Prof.-tekh. obr. v 1 no. 1986.  
(104. (MIRA 17:11

1. Direktor professional'no-tekhnicheskogo uchilishcha No.15  
Donetskoy oblasti.

MARTYNOV, N.F.

Using the ER-4A excavator for working frozen ground. Mekk. stroi.  
21 no.3:12-13 Mr '64. (MIRA 17:3)

1. Nachal'nik proizvodstvenno-tekhnicheskogo otdeleniya Upravleniya  
mekhanizatsii tresta Kemerovoshilstroy.

I. 02463-67 EWP(h)/EWT(d)/EWP(1)

ACC NR: AP6030295

(N)

SOURCE CODE: UR/0310/66/000/008/0026/0026

AUTHOR: Martynov, N. (Chief) 51ORG: Thermotechnical group of the Volga-Don River Fleet (Teplotekhnicheskaya partiya VDRP) 3

TITLE: Influence of route conditions on the power loading of engines

SOURCE: Rechnoy transport, no. 8, 1966, 26

TOPIC TAGS: ENGINE PERFORMANCE CHARACTERISTIC,  
hydrofoil, marine engine, exhaust gas, inland waterway transportation/  
Raketa hydrofoil, Meteor hydrofoil

ABSTRACT: Investigations carried out on Raketa and Meteor hydrofoils operating with the Volga-Don River Fleet have revealed that the power loading of their engines varies considerably while they are under way. Two diagrams show the variations in exhaust gas temperatures appearing over a 23-hr course and using various acceleration maneuvers lasting approximately 2 min. Under unfavorable conditions, a power increase from 150 to 800-900 hp could take place within a few seconds. The simultaneous turning on foils and turning effected a 100C increase in exhaust gas temperature. An unfavorable distribution of a great number of passengers increases the power loading of the engine; however, this increase can be held within allowable limits by correctly performing the acceleration and turning maneuvers. Generally, the speed developed by a hydrofoil and its engine's exhaust gas temperature depend on the air and water

Card 1/2

UDC: 621.436.004

1. 03h61-57

ACC NR: AP6030295

making resistances and on the periodicity and the degree of the rudder's angular displacement. Orig. art. has: 2 figures.

[GE]

SUB CODE: 13, 21/ SUBM DATE: none

Card

2/2

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MARTYNOV, N.I., inzh.

Effect of pressure velocity on the intensity of terminal forces.  
Vest. TSNII MPS [17] no.3:24-26 My '58. (MIRA 11:6)  
(Car axles--Testing)

MARTYNOV, N.I., kand.tekhn.nauk

Changes occurring in the coefficient of friction in pressed  
wheel pair couplings during wheel mounting. Vest. TSHII  
MPS 17[i.e. 19]no. 7 '60. (MIRA 13:11)  
(Car wheels)



MARTYNOV, N.I., kand.tekhn.nauk

Increasing the strength of pressed joints in car wheels. Vest.  
TSNII MPS 21 no.2:37-40 '62. (MIRA 15:4)  
(Car wheels)

MARTYNOV, N.I. kand. tekhn. nauk

Evaluating the quality of the formation of car wheel pairs.  
Vest. TSNII MPS 23 no.4:7-11 '64. (MIRA 17:8)

BOGDANOV, I.I., inzh.; MARIYNOV, N.I., kadm. tekhn. nauk

What causes the displacement of wheels and ways of the line-  
road. B. I. inzh. transport. 47 no. 115-120. M. 1955. Nov. 1955

MARTYNOV, N. K.

Martynov, N. K. "Amputation of the lower limbs during spreading endarteritis (Synopsis of materials of the Clinic from 1935-1946)," Trudy Gospit, khirurg. Kliniki (Sverd. gos. med. un-t), Vol. IV, 1948, p. 325, 34

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949)

MARTYNOV, N.M.

MARTYNOV, N.M., (Saratov)

Elk of the lower Volga valley. Priroda 44 no.9:104-106 S'55.  
(Volga Valley--Elk) (MIRA 8:11)

MARTYNOV, N.M. (Saratov)

Why is the quail population decreasing? Priroda 49 no.5:123  
My '60. (MIRA 13:5)

(Quails)

AUTHOR: Martynov, N.N. (Omsk)

47-100-10000

TITLE: Remarks on the Entrance Examinations on Physics for the Omsk Machinebuilding Institute (Zamechaniya o priyemnykh eksamenakh po fizike v Omskiy mashinostroitel'nyy institut)

PERIODICAL: Fizika v Shkole, 1958, Nr 2, pp 49-50 (USSR)

ABSTRACT: The results of above mentioned examinations were very satisfactory. The author finds that in general, pupils showing good theoretical knowledge were very often at a loss when solving real problems. The author insists that teachers must give more attention to the development of the pupils' capabilities to think clearly and precisely.

AVAILABLE: Library of Congress

Card 1/1

1. Physics—Study and teaching

BONYUSHKIN, Ye.K.; ZAMYATNIN, Yu.S.; KIRIN, I.S.; MARTYNOV, N.P.;  
SKVORTSOV, Ye.A.; USHATSKIY, V.N.;

[Yields of fragments of  $U^{235}$  and  $U^{238}$  fission by fast  
neutrons] Vyhody oskolkov deleniia  $U^{235}$  i  $U^{238}$   
bystryimi neutronami. Moskva, Glav. upr. po ispol'zovaniiu  
atomnoi energii, 1960. 19 p. (MIRA 17:3)



MARTYNOV N.P.

32987

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B104/B102

24.6600

AUTHORS. Bonyushkin, Ye K., Zamyatin, Yu S., Kirin, I. S.,  
 Martynov, N. P., Skvortsov, Ye. A., Usha'skiy, V. N.

TITLE. Fragment yields of fast neutron fission of  $U^{235}$  and  $U^{238}$

SOURCE. Krupchitskiy, F. A., ed. Neytronnaya fizika; sbornik statey.  
 Moscow, 1961, 224-234

TEXT. Results of fragment yield measurements carried out in 1955-1956  
 dealt with  $U^{235}$  and  $U^{238}$  were fissioned by 14.5 Mev neutrons and  
 fission neutrons. The relative fragment yield with respect to the  $Mo^{99}$   
 yield and the absolute yield in  $Mo^{99}$  were determined. Pressed 10-50 g  
 $U_3O_8$  tablets were put into a hermetically sealed container.

A  $U^{235}$  multiplication system without a moderator, and a converter which  
 transformed thermal neutrons into fission neutrons were used as fission  
 neutron sources. The specimen was bombarded by an integral neutron flux  
 of  $2 \cdot 10^{13}$ . A tritium-saturated zirconium target which was bombarded with  
 Card 1/8

3287  
S/641/b1/000/000/014/011  
B104/B102

Fragment yields of fast

150-kev protons served as 14.5-Mev neutron source. The integral neutron flux into the specimen was  $2 \cdot 10^{14}$ . The irradiation time was 100 sec. The fission fragments were separated from the irradiated samples by isotope dilution. The fragment yields were determined from their  $\beta$  activity by end window counters with a  $20 \mu$  thick mica window and a diameter of 20 mm. The results are summarized in Table 2. The relative probability of a symmetrical fission largely depends on the excitation energy of the compound. For  $U^{235}$  the ratio  $r$  between the fragment yield of a symmetrical fission and the maximum yield increases from 0.1 for thermal neutron fission to 0.5 for fission induced by 14.5-Mev neutrons and to 0.7 in the fission with 14.5-Mev neutrons. The relative probability of a symmetrical fission increases with the excitation energy of the compound and with the mass number of the fissioning nucleus. The probability of a symmetrical fission is also dependent on the mass number of the fissioning nucleus.

The distribution of the fragment yields of these fission products is of a type of a fragment yield distribution. The authors are grateful to M. I. Reznert, L. P. Lorenski, and Ye. I. Sirovskiy for their contribution to the irradiation of the samples with neutrons. The work was carried out in the Laboratory of Nuclear Physics, Institute of Physics, Academy of Sciences of the USSR.

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B104/B102

Fragment yields of fast ...

Krashennikova, V. R. Negin, N. V. Shuvanova, S. Ye. Sanina and E. A. Kozyreva for the radiochemical separation. A. N. Protopopov (Atomnaya energiya, 5, vyp. 2, 1958) is mentioned. There are 6 figures, 2 tables, and 19 references: 5 Soviet and 14 non-Soviet. The four most recent references to English-language publications read as follows: Fong I., Phys. Rev., 102, 434 (1956); Katcoff S., Nucleonics, 16, 4 (1958); Bunney L. R., Scadden E. M., Abriam J., Ballou N. O., report no. 643, held at the Second International Conference on the Peaceful Uses of Atomic Energy, Geneva, 1958; Hemmendinger A., report no. 663, held at the Second International Conference on the Peaceful Uses of Atomic Energy, Geneva, 1958. ✓

Table 2. Total fragment yield, %.

Legend: (1) isotope, (2) fission spectrum, (3) 14.5 Mev.

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E037/E119

21.4200

AUTHORS: Martynov, N.P., Bochkarev, V.A., and Lbov, A.A.

TITLE: Enrichment of U<sup>237</sup> using the Szilard-Chalmers method  
and uranyl dibenzoyl methane

PERIODICAL: Radiokhimiya, 1961, Vol.3, No.4, pp. 508-509

TEXT: The Szilard-Chalmers method, which is based on the formation of recoil nuclei, is frequently used to separate isotopes of the bombarded element which are formed in a nuclear reaction. The following conditions must be observed in using this method: a) the recoil energy of the atom formed must be sufficient to break chemical bonds; b) the isotopes formed and the atoms of the original element should be in different chemical forms; c) the atoms formed during the bombardment should not exchange in their new chemical form with atoms of the irradiated chemical compound. The Szilard-Chalmers method has been used to concentrate U<sup>239</sup> (Ref.2: J.W. Irvine, Phys. Rev., Vol.55, 1105 (1939). Ref.3: K. Starke, Naturwiss., Vol.30, 577 (1942). Ref.4: L. Melander, Acta Chem. Sland., Vol.1, 2, 169-177 (1947).

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