

TARASOV, I.I., inzhener; LAPUSHKIN, G.A., inzhener.

Introduce modern techniques in the spinning industry. Izobr. v SSSR
1 no.6:14-18 D '56. (MLBA 10:4)

(Spinning machinery)

RAKOV, IYAN IVANOVICH

RAKOV, Aleksandr Pavlovich, professor; MILOVIDOV, Nikolay Nikolayevich,
inzhener; BUKHAREV, Aleksandr Vasil'yevich, inzhener; TRASOV,
~~Ivan Ivanovich~~, inzhener; STASHEV, A.G., retsenzent; KAPTELEVICH,
Ye.I., redaktor; MEDVEDEV, L.Ya., tekhnicheskii redaktor

[Cotton spinning] Priedenie khlopka. Izd. 2-oe, ispr. i dop.
Moskva, Gos.nauchno-tekhn.izd-vo M-va legkol promyshl. SSSR,
1957. 518 p. (MLHA 10:10)
(Cotton spinning)

TARASOV, I.I., inzhener

Automatic processes in spinning and twisting. Izobr. v SSSR 2 no.1:
16 Ja '57. (MIRA 10:4)
(Automatic control) (Spinning machinery)

TARASOV, I.I., inzhener.

Speed up the automatization of weaving. Izobr.v SSSR 2 no.5:19-20
My '57. (MIRA 10:7)

(Looms) (Automatic control)

TARASOV, I.I. (Starozhinets)

Assimilation of the first cervical vertebra. Vop. neuro-
khir. 27 no.2:32-35 Mr-Apr '63. (MIRA 17:2)

TARASOV, I.I., kand.veterin.nauk

Ruminant bloat; review of foreign literature. Veterinariia 37
no.7:83-84 J1 '60. (MIRA 16:2)

1. Saratovskiy zooveterinarnyy institut.
(Rumen—Diseases)

TAMASOV I. I. and KOLESOVA N. I. (Candidates of Veterinary Sciences, Saratov Zooveterinary Institute) and KOLESOV A. M. (Professor)

"Concerning the problem of dispepsia in calves."

Veterinariya, Vol. 38, No. 12, December 1961, P. 46.

TARASOV, I. I., YEMEL'YANOV, A. N., KOLESOV, A. M. and ZAMARIN, L. G.
(Candidates of Veterinary Sciences, Professor, and Assistant Professor)

"Noninfectious pneumonia in sheep"

Veterinariya, Vol. 38, no. 10, October 1961, pp. 81-89

TARASOV, I. I. - Cand Vet Sc, Leningrad Zool. Inst.

TARASOV, I.I., assistant

Quantitative characteristics of water metabolism in calves during the colostrum period under normal conditions and in case of dyspepsia. Trudy SZVI 11:131-134 '62.

(MIRA 16:7)

(Water metabolism)

(Calves--Diseases and pests)

(Dyspepsia)

STURMAN, A.V., veter. vrach (Strashenskiy rayon, Moldavskaya SSR); BULGAKOV, Yu.N., veter. fel'dsher (Strashenskiy rayon, Moldavskaya SSR); KAL'NITSKIY, P.I., veter. vrach (Strashenskiy rayon, Moldavskaya SSR); OCHAKOVSKIY, Z.M., veter. vrach (Strashenskiy rayon, Moldavskaya SSR); GOTSENOGA, A.D. (Strashenskiy rayon, Moldavskoy SSR); ABRAMYAN, G.I., veter. vrach; MEKHTIYEV, M.G., veter. fel'dsher (s. Shirozlu, Vedinskogo rayona Armyanskoy SSR); KIRAKOSYAN, A.A., veter. vrach; GEORGIYEV, Yu.P., veter. vrach; LOMAKIN, A.M., nauchnyy sotrudnik; SHEPELEV, L.A., veter. vrach.; TARASOV, I.I., assistant; ROMASHKIN, V.M., veter. tekhnik; ANDRIYAN, Ye.A.; BARTENEV, V.S.; KOROL', Ye.I., veter. tekhnik; YEROSHENKO, A.K., aspirant; BANZEN, Ya.P.; SARAYKIN, I.M., prof.; ZHEVAGIN, A.N., veter. vrach; BUT'YANOV, D.D., veter. vrach (Klimovichskiy rayon, Mogilevskoy oblasti BSSR); SHALYGIN, B.V., veter. vrach (Klimovichskiy rayon, Mogilevskoy oblasti, BSSR); RYABOKON, G.T., veter. fel'dsher; MOVSUMZADE, K.K., prof.; DUGIN, G.L., aspirant; TITOV, G.I., nauchnyy sotrudnik; MEDVEDEV, I.G., veter. vrach.; ALIKAYEV, V.A.; ALLENOV, O.A., veter.vrach.

Prophylaxis and treatment of noninfectious diseases in calves and piglets. Veterinariia 40 no.2:40-47 F '63. (MIRA 17:2)

1. Ul'yanovskaya oblastnaya veterinarno-bakteriologicheskaya laboratoriya (for Sturman). 2. Kolkhoz imeni Kirova. Volokonovskogo
(Continued on next card)

STURMAN, A.V.— (continued) Card 2.

rayona, Belgorodskoy oblasti (for Bulgakov). 3. Sovkhoz "Akhuryanskii", ArmSSR (for Abramyan). 4. El'khotovskaya veterinarno-bakteriologicheskaya laboratoriya Severo-Osetinskoy ASSR (for Allenov). 5. Shagatskiy veterinarnyy uchastok, Sisianskogo rayona, ArmSSR (for Kirakosyan). 6. Sovkhoz "Vekhno", Pskovskoy oblasti (for Georgiyev). 7. Leningradskaya lesotekhnicheskaya akademiya imeni S.M.Kirova (for Lomakin). 8. Siverskiy veterinarnyy uchastok, Gatchinskogo rayona Leningradskoy oblasti (for Shepelev). 9. Saratovskiy zooveterinarnyy institut (for Tarasov, Yeroshenko). 10. Sovkhoz "Gorodishchenskiy" Penzenskoy oblasti (for Romashkin). 11. Glavnyy veterinarnyy vrach plemennogo sovkhosa imeni Litvinova, Frunzenskogo rayona, Luganskoy oblasti (for Andriyan). 12. Svinosovkhoz imeni Podtelkova, Kosharskogo rayona, Rostovskoy oblasti (for Bartenev). 13. Sovkhoz "Shakhter" Donetskoy oblasti (for Korol'). 14. Zernosovkhoz "Mikhailovskiy" Tselinnogo kraya (for Banzen). 15. Kishinevskiy sel'skokhozyaystvennyy institut (for Saraykin, Zhevagin). 16. Klimovichskiy rayon, Mogilevskoy oblasti, BSSR (for But'yanov, Shalygin). 17. Kolkhos imeni Shevchenko Tal'novskogo rayona, Cherkasskoy oblasti, UkrSSR (for Ryabokon'). 18. Leningradskiy veterinarnyy institut (for Movsum-zade, Dugin). 19. Buryatskaya nauchno-proizvodstvennaya veterinarnaya laboratoriya (for Titov). 20. Buryatskiy sel'skokhozyaystvennyy institut (for Medvedev).

L 08721-67 FWT(m)/EWP(w)/EWP(v)/EWP(j)/EWP(t)/ETI/EWP(k) IJP(c) JD/VW/HM/RM
ACC NR: AP6021718 SOURCE CODE: UR/0229/66/000/005/0017/0022

AUTHOR: Nikitin, V. A.; Tarasov, I. K. 56
55

ORG: none

TITLE: Experimental investigation of the strength of fiberglass-reinforced plastic and steel joints 5

SOURCE: Sudostroyeniye, no. 5, 1966, 17-22

TOPIC TAGS: plastic strength, polyester plastic, plastic industry, fiber glass, fiberglass, REINFORCED PLASTIC, METAL JOINING, STRESS ANALYSIS

ABSTRACT: Various types of fiberglass-reinforced plastic and steel joints were experimentally investigated for strength under static and sign-changing conditions. Small samples and structures simulating auxiliary-machine foundations of St-3 steel joined with a non-water repellent plastic, fabricated by a cold-hardening method using unsaturated PN-1 polyester resin and T-1 glass fiber, were submitted to tension, compression, and fatigue tests. The results, including breaking forces per unit length of joint and coefficients characterizing the beginning of deformation and rupture, were used for evaluating the strength. Tensile and compression test data are tabulated, and deformation and fatigue curves are shown. Tensile stresses were found to be the most destructive; on composite structures they were found to be

Card 1/2

UDC: 629.12: 624.02/.09

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ACC NR- AP6021718

about two times lower than on samples; on tee and corner joints they were about two times lower than on butt joints. It can be anticipated that structures made from fiberglass-reinforced plastics treated with a hydrophobic-adhesion compound based on heat-resistant polyester resins will prove to be stronger. Orig. art. has: 4 figures and 5 tables.

SUB CODE: 11/ SUBM DATE: none

Cord 2/2 net

TARANOV, I. I.

"Investigation of the Process of Combustion of Fuel Introduced Into Brick Clay,
and the Influence of This Process on the Physicomechanical Quality of the Fired Brick."
Cand Tech Sci, Belorussian Polytechnic Institute Stalin, Min Higher Education USSR,
Min Higher Education USSR, Minsk, 1954. (KL, No 3, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational
SO: Sum. No 578, 29 Jul 55

SOV/97-58-12-8/13
AUTHORS: Tarasov, I.M. and Lastochkin, V.G., Engineers
TITLE: ~~Prestressed Reinforced Concrete Poles and Sleepers,~~
Factory Manufactured (Predvaritel'no napryazhennyye zhelezo-
betonnyye machty i shpaly, izgotovlyayemye na kombayne)
PERIODICAL: Beton i Zhelezobeton, 1958, Nr.12, pp.469-470 (USSR)

ABSTRACT: Minsk Factory for Reinforced Concrete products manufactures poles for street electric lighting, and sleepers for narrow gauge railways (750 mm), using wire reinforcement. These products are manufactured on 130 m long concreting plant. The poles for street lighting were designed by the Belorussian Polytechnic Institute, Department of Building Construction (Belorusskiy politekhnicheskiy institut, kafedra stroitel'nykh konstruktsiy). The poles are 9.4 m long, octagonal and hollow in cross section, tapering towards the top: the bottom section is 34 cm and the top 16 cm wide. The concrete used is of mark 400, and the reinforcement consists of 42 wires of 2.6 mm diameter. Tests carried out showed that strength and resistance to crack formation are satisfactory. Fig.1

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SOV/97-58-12-8/13

Prestressed Reinforced Concrete Poles and Sleepers, Factory
Manufactured.

shows tensioning of high tensile wires. The concrete, in forms, is consolidated using internal vibrator I-50. Experience showed that for uniform curing the steam tubes must be carried through the void of the pole to a depth of at least 1.5 m. The curing lasts 20-24 hours. The products are then cooled for 4 hours. 450 kg of high quality cement is used per 1 m³ of concrete. The water/cement ratio is 0.45:0.5. Consumption of concrete per pole is 0.32 m³; for the arm, 0.05 m³, for the base 0.22 m³ and for the foundation 1.64 m³, making a total of 2.25 m³. The total consumption of steel per pole is 46 kg. The sleepers were designed by the Planning Institute, Belgiprotorf (Proyektnyy institut Belgiprotorf). They are reinforced with steel wires of 2.6 mm diameter. The concrete used is of mark 500. The sleepers are cast in reinforced concrete forms with special metal attachments forming seating for the rail's saddle. When the concrete reaches 70% of the calculated strength (i.e. after 36-48 hours) the continuous form with cast sleepers is cut to pre-determined

Card 2/4

SOV/97-58-12-8/13

Prestressed Reinforced Concrete Poles and Sleepers, Factory Manufactured.

lengths. The form is 150 cms long, 100 cms wide, and is made from concrete mark 200. Five sleepers are cast in each form. The factory can also produce prestressed reinforced concrete hollow floor slabs. In this case the consolidation is carried out by external vibrators, whereas in the case of sleepers surface vibration is not sufficient on account of the reinforcement and the timber divisions in the form. In casting sleepers, therefore, vibrators have to be situated at various heights and various angles of inclination (5, 10 and 20°). The cement used for sleepers is of rapid-hardening type produced by Volkovysk factory. 550 kg cement is used for 1 m³ of concrete. Concrete tests were carried out on 12 test cubes of 10 x 10 x 10 cm. The first 3 cubes were tested before the tensioning was released, the following 3 were tested repeatedly on successive days; 3 were tested before checking their strength, and the remaining 3 cubes were kept in reserve in case some tests should have to be repeated.

Card 3/4

TARASOV, I.M., kand. tekhn. nauk; KONOPEL'KO, I.A., kand. tekhn. nauk

Kilning leese dried chalks. Stroi. mat. 5 no. 4, 20-22 Ap '59.
(MIRA 12:6)

(Klimovich--Chalk) (Kilns, Rotary)

TARASOV, Ivan Nikolayevich

ZHERDEV, Aleksey Prokof'yevich; IVANOV, Petr Ivanovich; NABOKOV, Konstantin Fedorovich; TARASOV, Ivan Nikolayevich; ANDREAS, U.TS, otvetstvennyy redaktor; RYKOV, N.A., redaktor izdatel'stva; ZAZUL'SKAYA, V.P., tekhnicheskiy redaktor

[Work practices of the Novo-Uzlovsk coal preparation plant] Opyt raboty Novo-Uzlovskoi tsentral'noi obogatitel'noi fabriki. Moskva, Ugletekhnizdat, 1956. 78 p. (MLRA 10:7)
(Donets Basin--Coal preparation)

TARASOV, I. F.

"Theory of Computing the Angle of Engagement in Jaw Crushers," Math. Probl. Sol., No. 1, 1948. Docent, Card. Tech. Sci.

TARASOV, I. P.

Lentochnye transportery; pod red. i s dopoln. E. B. Vitkup. Kiev. Mashgiz,
1950. 166 p. diagrs.

Bibliography: p. (165)

(Belt conveyers.)

DLC: TJ1390.T3

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
Congress, 1953.

1. TAPISOV, I.P.
2. USSR (600)
4. Oil Industries - Fergana
7. Invention and rationalization in the Fergana Oil and Fat Combine.
Masl. zhir. prom. 17. no. 2. 1952.

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

TARASOV, Ivan Petrovich, kand. tekhn. nauk, dots.; SLIVKO, V.M.,
inzh., retsenzent; RIKBERG, D.B., red.; GORNOSTAYPOL'SKAYA,
M.S., tekhn. red.

[Belt conveyors] Lentochnye konveiry. Izd.2., ispr. 1
dop. Moskva, Mashgiz, 1963. 215 p. (MIRA 16:5)
(Conveying machinery)

TARASOV, I.S.

Study in vitro of stabilization conditions for cholesterol.
Biokhimiia 26 no.4:736-744 J1-Ag '61. (MIRA 15:6)

1. Chair of Biochemistry, the Crimea Medical Institute,
Simpheropol.
(CHOLESTEROL) (BLOOD PROTEINS)

16(1)

AUTHOR: Tarasov, I.S.

SOV/140-59-4-20/20

TITLE: The Theory of Improper Hyperstrips in the Central Affinitive Space

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1959, Nr 4, pp 161 -167 (USSR)

ABSTRACT: Let

$$(1.1) \quad x^{\alpha} = l^{\alpha}(\eta^a) ,$$

where $l^{\alpha}(\eta^a)$ are functions of the class 4, $\alpha, a = 1, 2, \dots, n$; $a, b, c, d, l = 1, 2, \dots, m$; $m < n$, be an m -dimensional surface in the central affinitive space E_n . By the vector l^{α} and the

vectors $\frac{\partial l^{\alpha}}{\partial \eta^a} = l_a^{\alpha}$ an m -dimensional tangential plane is defined in every point of (1.1). Let by the pseudovector

$$(1.2) \quad \gamma_{\alpha} = \gamma_{\alpha}(\eta^a) ,$$

Card 1/3

The Theory of Improper Hyperstrips in the
Central Affinitive Space

SOV/140-59-4-20/26

where $\gamma_\alpha(\gamma^a)$ are functions of third class, an improper tangential hyperplane be defined in every point of (1.1). The conditions that the hyperplane (1.2) be a tangential hyperplane are

$$(1.3) \quad \gamma_\alpha l^\alpha = 0 \quad \gamma_\alpha l_a^\alpha = 0$$

The geometric figure defined by (1.1), (1.2), (1.3) is called an m-dimensional improper hyperstrip according to V.V.Vagner [Ref 1]. (1.1) is called the basal plane of the hyperstrip. The author distinguishes: 1. Hyperstrip of first kind (m-dimensional tangential planes of the basal plane do not pass through the center of E_n) 2. Hyperstrip of second kind (the basal plane is an (m+1)-dimensional central conical surface). In the first case the author proves several properties; in the second case he shows: the theory of the (m+1)-dimensional regular improper hyperstrip of second kind can be reduced to the theory of the m-dimensional improper strip of

Card 2/3

The Theory of Improper Hyperstrips in the Central
Affinitive Space

SOV/140-59-4-20/26

first kind, for which $\text{Det } |\gamma_{ab}| \neq 0$, where it is

$$\gamma_{ab} = -\gamma_{ba} \quad l_{ab}^{\alpha} = \gamma_{\alpha a} l_b^{\alpha}.$$

There is 1 Soviet reference.

ASSOCIATION: Saratovskiy Vsesoyuznyy zaochnyy avtodorozhnyy institut
(Saratov All-Union Automobile Roads Correspondence Institute)

SUBMITTED: May 12, 1958

Card 3/3

TARASOV, I.S.

Limiting the no-load operation of an asynchronous motor. Elek. i
tepl. tiaga 4 no.4:16-18 '60. (MIRA 13:6)

1. Master ispytatel'noy stantsii depo Barabinsk, Omskaya doroga.
(Electric motors, Induction)

TARASOV, I.S., master

Systems for checking the apparatus of electric locomotives.
Elek.i tepl. tiaga 5 no.12:18-19 D '61. (MIRA 15:1)

1. Ispytatel'naya stantsiya depo Barabinsk Zapadno-Sibirskoy dorogi.
(Electric locomotives--Electric equipment)

S/194/62/000/002/051/096
D273/D301

AUTHORS: Kanter, I. I. and Tarasov, I. S.

TITLE: Application of matrix algebra to computing frequency converters

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 2, 1962, abstract 2-5-4s (Tr. Saratovsk. in-ta mekhaniz. s. kh., 1961, no. 24, 21-27)

TEXT: Ionic converters are generally used for increasing or controlling the frequency of supply of cookers, induction heating setups and other apparatus. Calculation of multiphase converters is extremely complicated because in solving differential equations it is necessary to find a large number of constants of integration. A method is described for calculating the voltages in the units of converters using quadratic matrices of the second degree. The method gives an account of the application to a bridge ionic inverter. Formulas are given for phase potentials. /- Abstracter's note: Complete translation. /
Card 1/1

TARASOV, I.S., kand. fiz.-matem. nauk, dots.

[Abstract of lectures on mathematical analysis] Konspekt
lektzii po matematicheskomu analizu. Saratov, 1963. 101 p.
(MIRA 18:6)

1. Saratov. Politekhicheskii institut.

TARASOV, I.S. (g. Saratov)

Inductive theory of noncommutative determinants. Izv. vys. ucheb.
zav.; mat. no.4:152-161 '64. (MIRA 17:9)

Tarasov, I. V.

KRSTOSHEVSKIY, L.S.; DANCHICH, V.V.; AVDIYENKO, T.G.; ARKHANGEL'SKIY, A.F.;
GAK, A.M.; YEPIFANTSEV, Yu.P.; ZELINSKIY, V.M.; IVANOV, P.S.; IVASHCHENKO,
P.R.; KALININA, M.D.; KRAVCHENKO, A.G.; KOTLYAROVA, A.V.; KRUGLYAKOVA,
M.D.; LEVIKOV, I.I.; LIBKIND, R.I.; NIKOLAYEVA, N.A.; NAUMENKO, V.F.;
PRESHMAN, I.B.; PRISYAZHNIKOV, V.S.; POBEDINSKAYA, L.P.; POKALYUKOV,
S.N.; POPOV, A.A.; SOLOMENTSEV, M.N.; TARASOV, I.V.; FILONENKO, A.S.;
SHISHOV, Ye.L.; SHRAYMAN, L.I.; YAKUSHIN, N.P.; ZVORYKINA, L.N., red.
izd-va; LOMILINA, L.N., tekhn.red.

[Horizontal mining in foreign countries] Provedenie gorizontal'nykh
vyrabotok za rubezhom. Moskva, Ugletekhizdat, 1958. 342 p. (MIRA 12:4)

1. Kharkov. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii
i mekhanizatsii shakhtnogo stroitel'stva.
(Mining engineering)

DOKUKIN, O.S., starshiy nauchnyy sotr.; LEVIKOV, I.I., starshiy nauchnyy sotr.; TARASOV, I.V., starshiy nauchnyy sotr.; MARKOV, A.A.; BORZOV, K.V., otv. red.; PETRAKOVA, Ye.P., red. izd-va; MINSKER, L.I., tekhn. red.; OVSEYENKO, V.G., tekhn. red.

[Rules for the technical operation of sinking winches]Pravila tekhnicheskoi ekspluatatsii prokhodcheskikh lebedok. Moskva, Gosgortekhnizdat, 1962. 57 p. (MIRA 15:9)

1. Kharkov. Ukrainskiy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii shakhtnogo stroitel'stva. 2. Ukrainskiy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii shakhtnogo stroitel'stva (for Dokukin, Levikov, Tarasov).
3. Glavnyy mekhanik tresta "Donetskshakhtoprokhodka" (for Markov)

(Winches)

TARASOV, K.G.:

Schematic map physico-geographical regions in the western
Carpathian Mountains. Nauch. dokl. vys. shkoly; geol.-geog.
nauki no.3:37-44 '58. (MIRA 12:1)

1. Moskovskiy universitet, geograficheskiy fakul'tet, kafedra fizi-
cheskoy geografii s srubeshnykh stran.
(Carpathian Mountains--Physical geography)

MIKHAYLOVA, Lyudmila Alekseyevna; TARASOV, Konstantin Georgiyevich;
DLIN, Nikolay Aleksandrovich; SMIRNOVA, I.P., red.; ANDREYEVA,
K.A., red.kart; MAKHOVA, N.N., tekhn.red.

[Readings in physical geography (Western Europe); a manual for
teachers] Khrestomatiia po fizicheskoi geografii (Zapadnaia
Evropa); posobie dlia uchitelei. Moskva, Gos.uchebno-pedagog.
izd-vo M-va prosv. RSFSR, 1959. 344 p. (MIRA 12:4)
(Europe, Western--Physical geography)

TARASOV, K.

Physical-geographical division of the Western Carpathian Mountains. In Czech and Russian. p. 193

Ceskoslovenska spolecnost zemepisna. SBORNIK. Praha, Czechoslovakia, Vol. 64, no. 3, 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959
Uncl.

MAYERGOYZ, I.M.; TARASOV, K.G.

"Geography of Czechoslovakia" by V.Haufler, J.Korcak, V.Kral.
Reviewed by I.M.Maergoiz, K.G.Tarasov. Vest.Mosk. un. Ser. 5:
Geog. 17 no.1:76-77 Ja-F '62. (MIRA 16:7)
(Czechoslovakia--Geography) (Haufler, V.) (Korcak, J.)
(Kral, V.)

MIKHAYLOVA, Lyudmila Alekseyevna; TARASOV, Konstantin Georgiyevich;
DLIN, Nikolay Aleksandrovich; FISHCHEVA, T.V., red.;
ZAYTSEVA, K.F., red.kart; MAKHOVA, N.N., tekhn. red.

[Reader in physical geography; Western Europe] Khrestomatiia
po fizicheskei geografii; Zapadnaia Evropa. Posobie dlia
uchitelia. Izd.2., perer. i dop. Moskva, Uchpedgiz, 1963.
379 p. (MIRA 17:1)
(Europe, Western--Physical geography)

12

Handwritten: *CA*

Solid, infusible and insoluble condensation products from phenols and formaldehyde. K. I. Tarasov. Russ. 435, Apr. 8, 1925. Phenol or its homologs and CH_2O or its polymers are mixed with turpentine, pine oil or other liquid terpenes or with coal tar or wood tar. The initial condensation or polymerization process is carried out at a temp. below that of the b. p. of the mixt. and in the presence of alkalies, ammonia or org. bases.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

Handwritten: *12*

TEST AND / OR OTHER																										PROCESSES AND PROPERTIES INDEX																									
Condensation products of formaldehyde or its polymers. K. I. Tarasov. Russ. 511, Aug. 31, 1925. CH_2O or its polymers are condensed with mixts. of phenols and coal or wood tar, their distillates, acid sludge by-products from petroleum oils, turpentine, rosin and other substances of the terpene series, fats and fatty acids, in the presence of sulfonated fats or fatty acids, or sulfonic acids obtained by the action of strong H_2SO_4 on a mixt. of aromatic hydrocarbons with fatty oils or olein or sulfonic acids from sulfonated petroleum products, their distillates and other hydrocarbon oils. Cf. C. A. 27, 4302 and following abstracts																																																			
ASAC SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			

Condensation products of formaldehyde or its polymers with mixtures of phenols and hydrocarbons. K. I. Tarasov. Russ. 512, Aug. 31, 1925. Addn. to Russ. 511 (preceding abstract). CH_2O or its polymers are condensed with mixtures of phenols, hydrocarbons, aluminum and tanning substances in the presence of sulfonated products covered in the parent patent.

A 50-31 A METALLURGICAL LITERATURE CLASSIFICATION

1994: 1994-1995

140,189 94

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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

Condensation products from phenols and formaldehyde. K. L. Farnow. Russ. 514, Aug. 31, 1925. Addn. to Russ. 513 (following abstract). Instead of sulfonated castor oil other sulfonated fatty oils, such as cottonseed oil, or sulfonic acids obtained by the action of strong H_2SO_4 on mixts. of aromatic hydrocarbons with fatty oils or olefin, or finally sulfonic acids obtained from the products of sulfonation of crude oil, its distillates, mineral or other hydrocarbon oils are used.

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

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

29

OK

Leather substitute. K. I. FARASOV. Russ. 14,577, Feb. 25, 1928. A leather substitute is prepd. from leather waste by mixing with albumin, treating with phenol resins, drying and pressing while hot.

ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSING AND PROPERTY INDEX																										1ST AND 2ND ORDERS																									
Plastic material. K. I. TARABOV. Russ. appl. 24,198, Feb. 25, 1928; 20,211, June 22, 1928. Addn. to pat. 10,388. Gypsum or a mixt. of gypsum with kaolin or chalk or with hydrocellulose or wood flour is mixed with casein which was preliminarily treated with condensation products of phenol and formalin, and the whole is treated according to pat. 10,398.																										18																									
ASYM-SLA METALLURGICAL LITERATURE CLASSIFICATION																										12																									

Leather substitute. K. I. TAMAMIV. Russ. 25,150, June 22, 1928. Addn. to Russ. 14,577 (preceding abstract). Leather waste treated with liquid or water sol products of condensation of phenol or its homologs with formalin is treated with alk. solns. of keratogenous substances exld. from wood, horn, hoofs, etc., or their mixts. with albumin solns.

A S D . S L A METALLURGICAL LITERATURE CLASSIFICATION

CIA-RDP86-00513R001754920014-8"

1ST AND 2ND ORDERS										PROCESSES AND PROPERTIES INDEX										3RD AND 4TH ORDERS									
13 Phenol-formaldehyde resins for the manufacture of gramophone records. K. I. Tarasov. Russ. 14,557, Oct. 31, 1935. PhOH is condensed with CH_2O in the presence of $\text{Ph}(\text{OAc})_3$ and $\text{Ba}(\text{OH})_2$ catalysts. The resin obtained is mixed with cellulose esters to produce a plastic mass in the usual manner.																													
ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION																													

19

7

Cementing metal to metal, wood or cardboard. K. I. Tarasov. Russ. 45,068, Jan. 31, 1936. On the surface to be cemented is placed a compn. of phenol-aldehyde resins and cellulose esters, and the article is heated at 50-70° under pressure.

COMMON ELEMENTS

OPEN MATERIALS

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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

26

la

PROCESSES AND PROPERTIES INDEX

Varnishes. K. I. Tarasov. Russ 10,310, March 31, 1963. Sulfonated castor oil is used as plasticizer with aq. dispersions of phenol-urea-albumin condensation products with or without cellulose ether as a film-forming base.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

Ca

Caasin glue with admixture of artificial resins. K. I. Tatarsov. Russ. 47,025, May 31, 1930. To the mixt. is added sulfonated castor oil.

ASB 31.4 METALLURGICAL LITERATURE CLASSIFICATION

13

KA

Phenol-formaldehyde resins. K. L. Farnow. Russ. 26,405, Jan. 31, 1940. A final product which is not converted into a solid resite is prepd. from 1 mol. phenol and 3 or 4 mols. CH_3CO by heating to 115-140° in the presence of Pb acetate.

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

REGIONAL DIVISION

RESEARCH MAP ONLY USE

RELATIONS

REGIONAL DIVISION

RESEARCH ONE DIV. USE

1. TARASOV, K. I., Eng.
2. USSR (600)
4. Varnish and Varnishing
7. New varnish for furniture. Der.i lesokhim.prom. 1 no. 6, 1952

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

TARASOV, K. I.

USSR/Physics - Spectroscopy

Card 1/1 : Pub. 112 - 8/9

Authors : Tarasov, K. I.

Title : Spectroscopy of a high resolving-power by F. A. Korolev. Gosizdat, 1953, 278 pp.

Periodical : Usp. fiz. nauk 53/3, 444-446, July 1954

Abstract : A monographical work by F. A. Korolev is criticized. It is, however, considered to be a very valuable book, although some text-material should be corrected in the next edition.

Institution : ...

Submitted : ...

~~Sec. A.E.~~ TARASOV, K.I.

USSR/Optics - Optical Methods of Analysis. Instruments.

K-7

Abs Jour : Referat Zhur - Fizika, No 3, 1957, 7985

Author : Tarasov, K.I.

Title : New Type of Interference Standard.

Orig Pub : Optika i spektroskopiya, 1956, 1, No 1, 103-104

Abstract : A complicated Fabry-Perot interferometer is proposed, made up of two glass standards with dielectric coatings. The triple standard is distinguished from the simple superposition of two standards in that the distance between the standards serve as an interference gap. The resolving power of the triple standard is greater than that of the simple one. A formula is given for the comparison of the resolving power of a triple and single standard. It is advisable to use the triple standard to increase the resolving power, when the technology of the electric coatings restricts the resolving power of the simple standard. In view of the fact that the number of dielectric

Card 1/2

- 112 -

USSR/Optics - Optical Methods of Analysis. Instruments.

K-7

Abs Jour : Referat Zhur - Fizika, No 3, 1957, 7985

films on each surface of the glass plate is less than in the simple standard, the distortions in the surfaces of the films should play a smaller role.

Card 2/2

- 113 -

SOV/51-6-1-15/30

AUTHOR: Tarasov, K.I.

TITLE: Interference Mirrors on an Aluminium Base (Interferentsionnyye zerkala na alyuminiyevoy podlozhke)

PERIODICAL: Optika i Spektroskopiya, 1959, Vol 6, Nr 1, pp 94-96 (USSR)

ABSTRACT: The coefficients of reflection R, transmission T and absorption A of the Fabry-Perot interferometer mirror determine completely its spectral properties: R determines its resolving power and A/T determines the intensity of its interference rings. The author's intention was to obtain mirrors with the smallest possible ratio A/T with sufficiently high values of R in the region 3200-5600 Å. Invariance of the ratio A/T on deposition of non-absorbing layers on metals makes it possible to use a thin aluminium layer as a base (it has a low value of A/T) and to raise the value of R by deposition of several layers of SiO₂ and TiO₂ on aluminium. In calculations of the thickness and the number of dielectric layers to be deposited on aluminium, it was necessary to know the phase-shift at the dielectric-aluminium boundary. This phase-shift δ was found experimentally by depositing very thin layers of a dielectric, each of the same thickness and finding the minima and maxima of the reflection coefficient R. The first minimum occurs

Card 1/2

SO7/51-6-1-15/30

Interference Mirrors on an Aluminium Base

when $\delta + \varphi = 2\pi$, where φ is the phase difference between the light reflected at the two boundaries of the dielectric. From this relationship the phase-shift δ was found (Tables 1, 2). Best results were obtained by deposition of two layers: first SiO_2 and then TiO_2 , on aluminium mirrors. Table 3 gives values of the reflection coefficient R for five mirrors before and after deposition of SiO_2 and TiO_2 . The values of the transmission coefficient T are not given since the ratio A/T was not affected by deposition of dielectric layers. The authors point out that $\text{SiO}_2 + \text{TiO}_2$ layer makes aluminium mirrors more resistant to abrasion. There are 3 tables and 6 references, 2 of which are Soviet and 4 English.

SUBMITTED: January 13, 1958

Card 2/2

TARASOV, K.I.

Simple formulas for the evaluation of aberrations of a mirror objective.
Opt. 1 spektr. 8 no.5:723-725 My '60. (MIRA 13:9)
(Optics, Geometrical) (Mirrors)

32055
S/051/61/011/005/016/018
E202/E192

24,6800

AUTHOR:

Tarasov, K.I.

TITLE:

Spectrograph with crossed dispersions built according to the new optical design

PERIODICAL:

Optika i spektroskopiya, v.11, no.5, 1961, 683-686

TEXT:

A spectrograph with crossed dispersions, based on the optical scheme shown in Fig.1, designated as experimental model CT3-1 (STE-1) is described. The apparatus was designed by L.F. Belugin on the specifications worked out by V.K. Prokof'yev, M.M. Kler and A.K. Rusanov. In the actual apparatus, the photographic plate 13 is replaced by a cylindrically bent film, which obviates the use of lens 12. The main advantages of this spectrograph are its considerably increased aperture ratio, i.e. speed, and small overall dimensions. The performance data are summarised in Table 1. It is suggested that this type of optical system would be particularly well employed in the quantum-meters, where it would be an improvement on the present Paschen-Runge system, by extending the range of the instrument further into the UV region.

Card

Card 1/42

TARASOV, Konstantin Ivanovich; KHOKHLOV, Vladimir Vladimirovich;
BERGER, S.I., red.; TELYASHOV, R.Kh., red. izd-va;
GVIRTS, V.L., tekhn. red.

[New STE-1 diffraction spectrograph with crossed dispersion
and its use in spectrum analysis] Novyi difraktsionnyi
spektrograf so skreshchennoi dispersiei STE-1 i ego spektroana-
liticheskie vozmozhnosti. Leningrad, 1963. 21 p. (Leningrad-
skii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym
opytom. Seria: Kontrol' kachestva produktsii, no.1)

(MIRA 16:5)

(Spectrograph)

ALEKSEYEV, B.G.; KRAVTSOV, A.F.; YEVICH, A.D.; KAPLUNSKIY, I.A.;
POLETAYEV, B.L.; TARASOV, K.K.

Automatic control of valve reversal in regenerative soaking
pits. Met. i gornorud. prom. no. 2:34-35 Mrt-Apr '64. (MIRA 17:9)

8(3)

SOV/112-59-3-4805

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 3,
pp 70-71 (USSR)

AUTHOR: Tarasov, K. S.

TITLE: Lightning Protection of 10-kv Rural Electrical Networks
(Grozozashchita sel'skikh elektricheskikh setey 10 kv)

PERIODICAL: Sb. tekhn. inform. po sel'sk. elektrifik., 1958, Nr 8-9, pp 81-87

ABSTRACT: Measures are suggested for amending "Specifications on Overvoltage-
Portection of Rural Electrical installations up to 35 kv" endorsed by the MSKh
SSSR. The recommendations are based on the following factors: low short-
circuit currents (tens, hundreds amperes), small phase angles between the
supply voltage and the short-circuit current, low rate of voltage recovery on
clearing the short, a little probability that a flashover can develop into a
sustained short, a high probability of short-circuit self-extinction, better
effectiveness of automatic reclosure. Experiments resulted in self-clearing

Card 1/3

8(3)

SOV/112-59-3-4805

Lightning Protection of 10-kv Rural Electrical Networks

of short-circuits under the following conditions: (1) between horizontal wires spaced at 0.5-1.5 m in 0.14-0.46 sec, with currents 100-200 amp in 0.14-0.87 sec, with currents 200-300 amp in 0.07-0.94 sec; (2) between vertical wires spaced at 0.5-1.0 m, with currents 0-100 amp in 0.11-0.49 sec, with 100-200 amp in 0.42-0.88 sec, with 200-300 amp in 0.44-1.05 sec; (3) in horizontal and vertical protective spark gaps 15+(30-60) mm with 100-300 amp in 0.21-1.22 sec. Thus, in most cases the arc is broken in a time under 1 sec. These fundamental simplifications of lightning-protection specifications are suggested: using if possible valve-type lightning arresters having higher breakdown voltages, lower nonlinearity, and lower carrying capacity, i. e., cheaper types than conventional valve arresters. The operating minimum of tube protectors should be lower than that of conventional types since rural networks often have still lower short-circuit currents. It is also recommended that valve-type lightning arresters be replaced by protective gaps. Automatic-

Card 2/3

8(3)

SOV/112-59-3-4805

Lightning Protection of 10-kv Rural Electrical Networks

reclosure equipment should be combined with high-voltage fuses so that selectivity is insured. With small short-circuit currents, the protective spark gaps can be installed for protection of transformers; no automatic reclosing equipment is necessary in this case.

Ye. V. K.

Card 3/3

TARASOV, K.S., inzh.

Open electric arc on 10 kv. rural electric transmission lines.
Nauch. trudy VINSKH 4:345-367 '59. (MIRA 13:11)
(Electric lines--Overhead)

MANUKYAN, A.A.; KULAGIN, V.G.; ALEKSANDROVSKAYA, L.I.; BELOUS, T.Ya.;
 BEL'CHUK, A.I.; VINTSER, Yu.I.; GRECHIKHIN, A.A.; ZHDANOV,
 L.P.; KOVAL', V.V.; KODACHENKO, A.S.; KOSTKINA, V.A.; KOCHYZVIN,
 Yu.B.; KULIKOV, N.I.; MOKLYARSKIY, B.I.; NADEL', S.N.; PUDINA,
 K.V.; ROZENTAL', Ye.I.; RYDVANOV, N.F.; SVIRIDOVA, Z.P.; SIDOROV,
 V.F.; CHEBOTAREVA, Ye.A.; SHAPIRO, P.M.; SHVEDKOVA, V.M.; SHUMILIN,
 V.I.. Primali uchastiye: BRAGINA, Ye.A.; KRIVOROTCHENKO, A.K.;
 MARTINSEN, Z.A.; ROZHKOV, A.F.; SEGAL, Ya.Ye.; ~~TABASOV, K.S.~~
 TIMOSHIKOVA, O.K.; CHEKMAZOVA, N.S.. ARZUMANYAN, A.A., red.; KOT-
 KOVSKIY, Ya.Ya., red.; RUDCHENKO, A.M., red.izd-va; KUZ'MIN, tekhn.red.
 (Continued on next card)

MANUKYAN, A.A.---(continued) Card 2.

[Economic conditions of capitalist countries after the Second World War; statistical collection] Ekonomika kapitalisticheskikh stran posle Vtoroi Mirovoi voyny; statisticheskii sbornik. Moskva, Vneshtorgizdat, 1959. 1039 p. (MIRA 12:11)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy. 2. Sotrudniki sektora kon'yunktury Instituta mirovoy ekonomiki i mezhdunarodnykh otnosheniy Akademii nauk SSSR (for Manukyan, Kulagin, Aleksandrovskaia, Belous, Bel'chuk, Vintser, Grechikhin, Zhdanova, Koval', Kodachenko, Kostkina, Kochevrin, Kulikov, Mamukyan, Moklyarskiy, Nadel', Pudina, Rozental', Rydvanov, Sviridova, Sidorov, Chebotareva, Shapiro, Shvedkova, Shumilin).
(Economic conditions)

TARASOV, K. S., CAND TECH SCI, "EXPERIMENTAL *study*
OF SELF-EXTINGUISHMENT OF AN OPEN ELECTRIC ARC IN A *10-kilovolt* RURAL
ELECTRICAL NETWORK." LENINGRAD-PUSHKIN, 1960. (MIN OF AGR
RSFSR. LENINGRAD AGR INST, ENGINEERING FAC). (KL, 2-61, 212).

-186-

GRECHEV, M.A., kand. ekon. nauk; KLESMET, O.G., kand.ekon. nauk;
TARASOV, K.S., kand. ekon. nauk; DANILEVICH, M.V.,
doktor ekon. nauk; YURLOV, A.F., kand.ekon. nauk;
ONUFRIYEV, Yu.G.; ROMANOVA, Z.I., kand. ekon. nauk;
SHEREMET'YEV, I.K., kand. ekon. nauk; SHUL'GOVSKIY,
A.F., kand. istor. nauk; KALININ, A.I., kand. iurid. nauk;
AVARINA, V.Ya., doktor ekon. nauk, red.; BAYKOV, V.S., red.;
KOVALEV, A.P., red.izd-va; KASHINA, P.S., tekhn. red.

[Economic problems of Latin American countries] Ekonomi-
cheskie problemy stran Latinskoi Ameriki. Moskva, Izd-vo
AN SSSR, 1963. 511 p. (MIRA 17:1)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezh-
dunarodnykh otnosheniy.

SEMCHINOV, G.M., kand. tekhn. nauk; IKHTEYMAN, F.M., kand. tekhn. nauk;
TARASOV, K.S., kand. tekhn. nauk; KAZIMIR, A.P., inzh.

Lightning protection of rural 10-35 kv. power transmission lines.
Energetik 13 no.3:35-37 Mr '65. (MIRA 18:7)

GHIMEL, . . . , prof.; TARASOV, K.Ye., dozent

Subjective and objective elements in diagnosis. Trudy I-go MI
37:114-20 '65.

Intellectual substance of modern morphological diagnosis. Ibid.:21-30

Biological and pathogenic diagnosis. Ibid.:31-51

(MIRA 18:8)

TARASOV, K.Ye., dotsent

Formal logical basis of diagnosis. Trudy I-go MMI 37:123-149 '65.
(MIRA 18:8)

TARASOV, K.Ye., dotsent; SUCHKOV, A.V.; DANILYAK, I.G.

Significance of the laws of formal logic in medical thinking.
Trudy 1-go MMI 37:150-156 '65.

(MIRA 18:8)

GALKIN, V.A.; TARASOV, K.Ye., dotsent

Significance of the classification of diseases in diagnosis.
Trudy I-go MMI 37:157-163 '65.

(MIRA 18:8)

TARASOV, K.Ye., dotsent; KLIMENKO, G.A.; POPOVA, Ye.A.

Logical accuracy of diagnostic judgements. Trudy 1-go MMI 37:164-173
'65. (MIRA 18:8)

TARASOV, K.Ye., dotsent; VINOGRADSKIY, A.B.; SMOLENSKIY, V.S.

Deductive conclusions in diagnosis. Trudy 1-go MMI 37:174-184 '65.
(MIRA 18:8)

PASHINTSEV, I.A., prof.; TARASOV, K.Ye., kand. filosofskikh nauk (Moskva)

Etiology from the viewpoint of materialistic dialectics. Sov.zdrav.
22 no.2:31-37 '63. (MIRA 16:2)

1. Moskovskiy meditsinskiy institut imeni I.M. Sechenova.
(DISEASES—CAUSES AND THEORIES OF CAUSATION)
(DIALECTICAL MATERIALISM)

GILYAREVSKIY, S.A., prof.; TARASOV, K.Ye., kand. filosofskikh nauk

Problem of causality in medicine; concerning I.V.Davydovskii's
monograph. Sovet. med. 27 no.9:138-143 S'63 (MIRA 17:2)

TARASOV, L.

Зрепилъщикъ на Рудникѣхъ (Mine Timberer - Timber-Bracer in Mine Shafts)

225 p. 1.00

SO: Four Continent Book List, April 1954

TARASOV, L.

Cardan transmission of ZIL-130 motortrucks. Avt.transp. 41
no.141-43 Ja '63. (MIRA 16:2)

1. Moskovskiy avtozavod im. Likhacheva.
(Motortrucks—Transmission devices)

85658

S/138/60/000/009/007/012
A051/A029

15.9300 2109,1526,1437

11.2314

AUTHORS: Tarasov, L.A.; Tyutekin, V.V.

TITLE: A Method for Measuring the Shear and Compression Moduli of Rubber in Small Deformations

PERIODICAL: Kauchuk i Rezina, 1960, No. 9, pp. 38 - 41

TEXT: A method is described for measuring the static shear modulus μ and the first Lamé coefficient λ of rubber in small volumetric (about 0.1%) and shear deformations (about 2 - 3%). The formula for calculating the value of the shear modulus of rubber is derived (Formula 12). The author arrives at this expression by adopting a sample in the form of a rubber cylinder with the outer diameter b , the inner diameter a and the length L_0 . Based on a relationship previously derived by the author (Akust. zh., 1956, Vol. 2, No. 3) the value of the effective compression modulus E_{eff} is calculated, which depends on the ratio of the internal and external diameters of the cylinder $\varepsilon = a/b$, and the elastic parameters of the rubber λ and μ , in the case where there are no normal shear and tangential tensions on the external lateral surface. The experimental apparatus used is described in detail. The graphical expression of the absolute compression magnitude of a solid rubber sample to the pressure represents a straight line.

Card 1/3

85658

S/138/60/000/009/007/012

A051/A029

A Method for Measuring the Shear and Compression Moduli of Rubber in Small Deformations

The linear relationship is broken only for pressure values below 3 kg/cm^2 . The first Lamé coefficient λ is determined from Formula (13), where the average value of λ calculated from 6 measurements was found to be $2.3 \cdot 10^{10} \text{ dyne/cm}^2$. The deviation of the results of some of the measurements from the average value did not exceed 10%. Three samples were used in order to calculate the value of μ . The value of ϵ_0 was calculated according to the formula $\epsilon_0 = \frac{a_0}{b} - \frac{a_0}{D}$, where D is the diameter of the sample. The shear modulus μ is determined from the slope of the straight line joining the points found experimentally. μ is equal to the pressure, whereby $\ln \frac{\epsilon_0^2}{\epsilon_p^2} = 1$. The shear modulus was found to be $1.5 \cdot 10^7 \text{ dyne/cm}^2$. At this pressure the maximum value of compression of the samples was no more than 2-2.5%. The method suggested has an accuracy of 10% for measuring the modulus of the volumetric compression and the static shear modulus of rubber in small deformations. The values of λ and μ do not depend on the static pressure to which the medium is subjected, at least in small deformations. It is pointed out that in a small general compression of the sample the shear deformations at the boundaries of the channels in the hollow rubber samples may be high. But under conditions used by the authors in the experiments, the part played by these

Card 2/3

85658

S/138/60/000/009/007/012
A051/A020

A Method for Measuring the Shear and Compression Moduli of Rubber in Small Deformations

deformations is slight. There are 13 formulae and 2 diagrams.

ASSOCIATION: Akusticheskiy institut Akademii Nauk SSSR (Acoustics Institute of the AS USSR)

Card 3/3

TARASOV, L.A. Cand Med Sci (diss) "Arteries of the visual analyser of
~~humans~~ ^{birds} and ~~in some~~ laboratory animals." Molotov, 1956 11pp ^(including covers) 21 cm.

(Molotov State Med Inst) 100 copies

(KL, 11-57, 100)

USSR / Human and Animal Morphology. Circulatory System. S-3

Abs Jour: Ref Zhur-Biol., No 14, 1958, 64836.

Author : ~~Tarasov, L. A.~~

Inst : Molotov Medical Institute.

Title : Arteries of the Optic Analyser in Man and in
Some Laboratory Animals.

Orig Pub: Tr. Molotovsk. med. in-ta, 1957, vyp. 26, 80-88.

Abstract: A study was made of the blood supply of the optic analyser in man, cat, and dog by means of injections of arteries, preparation, X-raying and fluoroscopy of the examples. A description is given of the blood supply of separate sections of the optic analyser in man. In animals, in contrast to man, the optic nerves are vascularised by the branches of the external and internal ophthalmic artery, while the arterioles of the retina emanate from the ciliary arteries. -- F. Ye. Fridman.

Card 1/1

TARASOV, L.A.

KURAYEV, A.V.; SEMENKOV, P.L.; BLEYZ, N.G.; BULAVA, V.P.; VYAZ'MIN, V.A.;
GOLUBEV, B.S.; DYSEMAN, B.M.; KARMLIN, B.S.; KAYUKOV, G.I., KUGEL',
N.V.; MASHATIN, V.I.; RAGUSKAYA, L.F.; HUBINSHTYIN, S.M.; SETRANOV,
A.B.; TARASOV, L.A.; FEDOROVA, A.A.; FEDOROV, L.N.; TSEPKIN, M.F.;
SHAYNVICH, A.G.; VASIL'YENVA, I.A., red. izd-va; TIKHANOV, A.Ya.,
tekhn. red.

[ZIL-158 and ZIL-158A motorbuses; instructions for operation] Avtobusy
ZIL-158 i ZIL-158A; instruktsiia po ekspluatatsii. Moskva, Gos.
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 193 p.
(MIRA 11:7)

1. Moskovskiy avtomobil'nyy zavod.
(Motorbuses)

EXCERPTA MEDICA Sec 7 Vol 13/7 Pediatrics July 59
1517. CHANGES IN THE HAEMOGLOBIN CONTENT IN SCHOOL CHILDREN OF
ZAPOLYARIE (Russian text) - Tarasov L. A. - PEDIATRIYA 1958, 6
(64-67) Tables 3
The haemoglobin values of 227 boys and girls aged 4 to 7 yr., from Murmansk,
were tested at the beginning and at the end of their stay at a health resort (June and
August 1957). A higher average increase was found in the children from Murmansk
in comparison with the results achieved in children from Leningrad who stayed in
health resorts near the city. The average increase in haemoglobin in the Murmansk
children was 10 to 14%. The haemoglobin measurement is regarded as an objective
indicator for the success of summer health resort treatment.
Hanssler - Regensburg (VII, 1)

TARASOV, L.A.

Hemoglobin and the condition of the visible mucosa in Murmansk
schoolchildren. Vop. okh. mat. i det. 3 no. 6:81 M-D '58
(MIRA 11:12)

1. Iz detskogo bol'nichno-poliklinicheskogo ob'yedineniya.
(HEMOGLOBIN)

TARASOV, L.A. Cand Med Sci -- "Physical development and certain peculiarities of the ^{condition} ~~state~~ of schoolchildren of the ~~USSR~~ Arctic region (city of Murmansk) from 1947 to 1957." Len, 1960 (Min of Health RSFSR. Len Sanitary-Hygienic Med Inst). (KL, 4-61, 211)

TARASOV, L.A.

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ACCESSION NR: AP3000852

51

AUTHOR: Nazarov, V. A.; Tarasov, L. A.; Romanov, Yu. S.; Kirpikov, A. G.

TITLE: Pneumatic regulator⁰ for the level of pulps and aggressive media.
Class G 05d; 42r, 1 sub 03. No. 152748

SOURCE: Byul. izobreteniy i tovarnykh znakov, no. 2, 1963, 34

TOPIC TAGS: pneumatic membrane valve, pressure reducer, compressed air, valve

ABSTRACT: A pneumatic regulator for the level of pulps and aggressive media, containing a diaphragm valve with piezo-crystal measuring tube and a diaphragm transducer; its distinguishing feature is that in order to use compressed air for direct action on the transducer diaphragm, the diaphragm valve is made with a diaphragm air pressure reducer for the air blown through the measuring tube; this reducer is built into the diaphragm valve and is rigidly fastened to the transducer membrane. Orig. art. has: 1 figure (see Enclosure 1)
/Abstractor's note: complete translation./

Card 1/1

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[Characteristics of the blood supply of the heart;
experimental, morphological and clinical study] Oso-
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