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Fuel Abstracts

3247. LOWERING THE CAKING OF COALS BY OXIDIZING THEM WITH SMOKE STACK GASES. Mazov, A.V. (Tmud. vsesoyuz. nauch. issled. Inst. iskusst. tid. Topliva i Gaza (Proc. All Union sci. res Inst. synthetic liquid Fuel and Gas). 1950, (2) 86-103, abstr, in Chem. Abstr., 1952, vol. 46, 5819). The purpose of this investigation was to test the possibility of semi-coking caking coal in shaft furnaces after treating them with oxygen-containing gases. To this end coal samples were treated with a mixture of nitrogen, carbon dioxide, and oxygen containing 4-6% of the latter. This treatment was carried out in a specially assembled apparatus (described) at ~~1290~~ 120-240° for various peeiods of time. While the appearance of the coal did not change as result of oxidation, the the composition of it did to an extent depending on the degree of oxidation. The oxygen content increased and humic acids previously totally absent appeared. The specific gravity of the coal increased by 0.05-0.30%. The C:H ratio in coal rose with the degree of oxidation Oxidation reduced the yield of tar, under optimum conditions (6 h at 180°, O content 4%), the loss was 1.2 and 1.5%. The characteristics of the tar of untreated and oxidized coal remained the same except for a slight increase in carboxylic acids and asphaltenes, and with a slight decrease in paraffins of the two coals treated the caking of one was eliminated while the caking of the other was not prevented even by a treatment

over

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for 200 h at 180°

C.A.

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SOV/65-58-10-10/15

AUTHORS: Mazov, A. V. Turskiy, Yu. I. and Danchenko, L. Ye.

TITLE: Separation of Phenols from Tar Fractions with Aqueous Solutions of Methanol (Izvlecheniye fenolov iz smolyanykh fraktsiy vodnymi rastvorami metanola)

PERIODICAL: Khimiya i Tekhnologiya Topliv i Masel, 1958, Nr 10, pp 44 - 49 (USSR)

ABSTRACT: Separation of phenols is at present carried out with the aid of selective solvents. The authors give a brief review of the use of selective solvents since 1903 (Refs. 1 - 9). In 1954 pilot plant experiments were made on the separation of phenols with methanol; the lay-out of the pilot plant is shown in a Figure. The fraction was diluted with petroleum ether and the extraction carried out on a 75 mm diameter and 7.8 m high column, two sections of which were filled with 8 x 8 mm Raschig rings. The mixture of the fraction with petroleum ether was led into the lower part of the column through a jet with a 2 to 2.5 mm diameter nozzle. The following fractions were tested: the fraction 160 to 210°C and 210 to 320°C obtained during the semi-coking of Cheremkhovsk coal; the 150 to 260°C fraction of tar obtained

Card 1/4

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SOV/65-58-10-10/15

Separation of Phenols from Tar Fractions with Aqueous Solutions of Methanol

during the gasification of brown coal; the fraction 190 to 300°C of tar obtained during the processing of peat. Characteristics of these fractions are given in Table 1. Optimal conditions for the separation of phenols from various types of raw material are shown in Table 2. Continuous work on the column could be carried out for 10 to 30 days. A considerable part of the neutral compounds is separated from the methanol extract by washing the same with petroleum ether in a separate extraction column. Table 3: the content of neutral compounds in extracts separated with methanol from various tar fractions before and after washing with petroleum ether. These neutral substances consisted of more than 90% of oxygen-containing compounds, the composition of which was determined by chromatography. 92.5% phenols and about 0.4% hydrocarbons were separated from the 210 to 320°C fraction. Practically complete separation of the asphaltenes was achieved. Most of the organic bases contained in the fractions passed into the methanol extract. 43% of organic bases were separated with methanol from the

Card 2/4

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SOV/65-58-10-10/15

Separation of Phenols from Tar Fractions with Aqueous Solutions of Methanol

160 to 210°C fraction of the middle oil obtained during the semi-coking of Cheremkhovsk coal, and 22% of organic bases from the 210 to 320°C fraction of the same oil. The experiment also proved that the residual content of phenols in the raffinate can be decreased to 0.9 - 1.2%. Part of the water remained in the extract and the moisture content of crude phenols was 12 to 16%. Yields and properties of the phenols are given in Table 4. Results obtained during the separation of phenols by the distillation of low-boiling fractions (Table 5) can be considered satisfactory. The neutral compounds are concentrated in the high-boiling fractions and the residue, therefore, contains high-quality fractions. The xylene fraction, which contains the highest quantity of neutral compounds, can be used

Card 3/4

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SOV/65-58-10-10/15

Separation of Phenols from Tar Fractions with Aqueous Solutions of Methanol

during the manufacture of adhesives. There are 5 Tables, 1 Figure and 10 References: 6 Soviet, 2 English and 2 German.

ASSOCIATION: VNII NP

Card 4/4

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

TURSKIY, Yu.I.; MAZOV, A.V.; SAMOLOVA, L.Ye.

Colorimetric determination of the tar content of waste waters from gas producing plants. Gaz.prom. 4 no.10:20-22 O '59. (MIRA 13:2)

(Coal tar) (Sewage--Analysis)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, A.V.

5 (2)

AUTHORS: Mashukov, A. Ya., Lazarev, M. M., Gofman, Yu. M., ~~Anisimov, S. B.,~~ Intsen, L. P., Turskiy, Yu. I., Mazov, A. V., Samolova, L. Ye. SOV/32-25-8-13/44

TITLE: News in Brief

PERIODICAL: Zavodskaya laboratoriya, 1959, Vol 25, Nr 8, pp 934 - 935 (USSR)

ABSTRACT: A. Ya. Mashukov reports that the Institute prepared test samples containing several rare elements. For the preparation they used a copper-zinc ore (0.0009% In, 0.007% Tl, 0.0012% Ga, and 0.0003% Ge) and not-calcined lead dust (0.004% In, 0.032% Tl, 0.0001% Ga, and 0.0009% Ge). The composition of the test samples was determined by three institutes. M. M. Lazarev (Laboratoriya zavoda) (Plant Laboratory) recommends a nephelometric method for the determination of zinc in the alloy MA-2 by a reaction with potassium ferrocyanide using a photocolorimeter FEK-M. Yu. M. Gofman describes a method for the non-cutting analysis of low alloy steels 15M, 12MKh, 12KhMF for the determination of the carbides of manganese, chromium, molybdenum, and vanadium. The analysis can be made without preparation of a sample by photocolorimetry directly on the surface of the workpiece investigated. S. B. Anisimov and L. P. Intsen describe a rapid method for the determination of the relation tin : lead in coating at the test of electroplating baths. An electroplated coating is made on a weighed steel leaflet of 10Kh18N9T steel. The coating is detached and after separation of the Sn as metastannic acid, the lead is titrated with Trilon B. Yu. I. Turskiy, A. V. Mazov, L. Ye. Samolova developed a colorimetric method for determination of the resin contents of waste waters in gas plants, which is based on the extraction of the resins with chloroform from the alkaline liquid (to form water-soluble phenolates). The chloroform extract is subjected to colorimetry on a colorimeter FEK-M.

Card 1/2

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy gornometallurgicheskiy institut tsvetnoy metallurgii (All-Union Scientific Miningmetallurgical Research Institute of Non-ferrous Metals). Laboratoriya metallov Sverdlovenergo (Metal Laboratory of the Sverilovenergo). Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i polucheniyu iskusstvennogo shidkogo topliva i gaza (All-Union Scientific Research Institute for the Processing of Petroleum and Production of Synthetic Liquid Fuels and Gases)

Card 2/2

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, A.V.; POLUBOYARINOV, G.N. [deceased]; KAZINA, V.S.; PARAMONOVA, Z.D.; PANCHENKO, V.A.

Deactivation of phenol-containing spent sulfite liquors from petroleum refineries. Khim.i tekh.topl.i masel 6 no.4:36-39 Ap '61. (MIRA 14:3)

1. Vsesoyuznyy nuachno-issledovatel'skiy institut po pererabotke nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva.
(Petroleum—Refining)(Sewage—Purification)

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PHASE I BOOK EXPLOITATION SOV/5055

Vsesoyuznoye soveshchaniye po stekloobraznomu sostoyaniyu. 3d, Leningrad, 1959.

Stekloobraznoye sostoyaniye; trudy Tret'yego vsesoyuznogo soveshchaniya Leningrad, 16-20 noyabrya 1959 (Vitreous State; Transactions of the Third All-Union Conference on the Vitreous State, Held in Leningrad on November 16-20, 1959) Moscow, Izd-vo AN SSSR, 1960. 534 p. Errata slip inserted. 3,200 copies printed. (Series: Its: Trudy)

Sponsoring Agencies: Institut khimii silikatov Akademii nauk SSSR. Vsesoyuznoye khimicheskoye obshchestvo imeni D.I. Mendeleyeva and Gosudarstvennyy ordena Lenina opticheskiy institut imeni S.I. Vavilova.

Editorial Board: A.I. Avgustinik, V.P. Barzakovskiy, M.A. Bezborodov, O.K. Botvinkin, V.V.Vargin, A.G. Vlasov, K.S. Yevstrop'yev, A.A. Lebedev, M.A. Matveyev, V.S. Molchanov, R.L. Myuller, Ye.A. Poray-Koshits, Chairman, N.A. Toropov, V.A. Florinskaya, A.I. Yakhkind; Ed. of Publishing House: I.V. Suvorov; Tech. Ed.: V.T. Bochever.

PURPOSE: This book is intended for researchers in the science and technology of glasses.

COVERAGE: The book contains the reports and discussions of the Third All-Union Conference on the Vitreous State, held in Leningrad on November 16-19, 1959. They deal with the methods and results of studying the structure of glasses, the relation between the structure and properties of glasses, the nature of the chemical bond and glass structure, and the crystallochemistry of glass. Fused silica, mechanism of vitrification, optical properties and glass structure, and the electrical properties of glasses are also discussed. A number of the reports deal with the dependence of glass properties on composition, the tinting of glasses and radiation effects, and mechanical, technical, and chemical properties of glasses. Other papers treat glass semiconductors and soda borosilicate glasses. The Conference was attended by more than 300 delegates from Soviet and East German scientific organizations. Among the participants in the discussions were N.V. Solomin, Ye. V. Kuvshinskiy, Yu.A. Gastev, V.P. Pryanishnikov, Yu. Yu. Gotlib, O.P. Mchedlov-Petrosyan, G.P. Mikhaylov, S.M. Petrov, A.N. Lazarev, D.I. Levin, A.V. Scastilov, N.T. Ploshchinskiy, A.Ya. Kuznetsov, E.V. Degtyareva, G.V. Byurganovskaya, A.A. Kalenov, N.M. Skornyakov, P.Ya. Bokin, E.K. Keller, Ya.A. Kuznetsov, V.P. Pozdnev, R.S. Snevelevich, Z.G. Pinsker, and O.S. Molchanova. The final session of the Conference was addressed by Professor I.I. Kitaygorodskiy, Honored Scientist and Engineer, Doctor of Technical Sciences. The following institutes were cited for their contribution to the development of glass science and technology: Gosudarstvennyy opticheskiy institut (State Optical Institute), Institut khimii silikatov AN SSSR (Institute of Silicate Chemistry, AS USSR), Fizicheskiy institut AN SSSR (Physics Institute AS USSR), Fiziko-tekhnicheskiy institut AN SSSR (Physicotechnical Institute AS USSR), Institut fiziki AN BSSR, Minsk (Institute of Physics, Academy of Sciences, Belorusskaya SSR, Minsk), Laboratory of Physical Chemistry of Silicates of the Institut obshchey i neorganicheskoy khimii AN BSSR, Minsk (Institute of General and Inorganic Chemistry, Academy of Sciences, Belorusskaya SSR, Minsk), Institut vysokomolekulyarnykh soyedineniy AN SSSR (Institute of High Molecular Compounds, AS USSR), Gosudarstvennyy institut stekla (State Institute for Glass), Gosudarstvennyy institut steklovolokna (State Institute for Glass Fibers), Gosudarstvennyy institut elektrotekhnicheskogo stekla (State Institute for Electrical Glass), Sibirskiy fiziko-technicheskiy institut, Tomsk (Siberian Physicotechnical Institute, Tomsk), Leningradskiy gosudarstvennyy universitet (Leningrad State University), Moskovskiy khimiko-tekhnologicheskiy institut (Moscow Institute of Chemical Technology), Leningradskiy tekhnologicheskiy institut im. Lensoveta (Leningrad Technological Institut imeni Lensovet), Belorusskiy politekhnicheskiy institut Minsk (Belorussian Polytechnic Institute, Minsk), Novocherkasskiy politekhnicheskiy institut (Novocherkassk Polytechnic Institute), and Sverdlovskiy politekhnicheskiy institut (Sverdlovsk Polytechnic Institute). The Conference was sponsored by the Institute of Silicate Chemistry AS USSR (Acting Director - A.S. Gotlib), the Vsesoyuznoye khimicheskoye obshchestvo im. D.I. Mendeleyeva (All-Union Chemical Society imeni D.I. Mendeleyev), and the Gosudarstvennyy ordena Lenina opticheskiy institut imeni S.I. Vavilova (State "Order of Lenin" Optical Institute imeni S.I. Vavilov). The 15 resolutions of the Conference include recommendations to organize a Center for the purpose of coordinating the research on glass, to publish a new periodical under the title "Fizika i khimiya stekla" (Physics and Chemistry of Glass), and to join the International Committee on Glass. The Conference thanks A.A. Lebedev, Academician, Professor, and Chairman of the Organization of Committee; Ye.A. Poray-Koshits, Doctor of Physics and Mathematics, Member of the Organizational Committee, and R.L. Myuller, Doctor of Chemical Sciences, Member of the Organizational Committee. The editorial board thanks G.M. Bartenev, M.V. Vol'kenshteyn, I.I. Denisova, D.F. Dobychin, S.K. Dubrovo, V.A. Ioffe, and P.T. Kolomiyets. References accompany individual reports.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

Chemical Properties of Glasses

Dubrovo, S.K. Chemical Properties of Glasses 418

Nikol'skiy, B.P., Ye.A. Materova, and V.V. Moiseyev. Study of the Interaction of Electrode Glasses With Solutions by Means of the Radioactive Indicator Method 423

Dubrovskiy, V.A., and T.S. Dubrovskaya. On the Composition of the Surface Film of Soda-Lime Silicate Glasses 428

Kokorina, V.F. Effect of Alkali Earth Metal Oxides on the Chemical Stability of Glasses 432

Abramyan, A.V. Leaching of Fused Vitreous Basalts With Aqueous Acid Solutions and the State of the Oxides in the Structure of Basalt Glass 435

Mazelev, L.Ya. Vitrification and Properties of Borate Glasses 437

Card 18/22

Berborodov, M.A., E.E. Mazov, and V.S. Kminskiy. On the Role of Aluminum in Aluminophosphate Glasses 441

Brekhovskikh, S.M., and V.N. Sesorova. Synthesis and Study of the Properties of Hafnium Silicate Glasses 444

Discussion 446

SOME VITREOUS SYSTEMS OF A SPECIAL NATURE

Semiconductor Glasses

Koloniyets, B.T. Semiconductor Glasses 449

Ioffe, V.A., I.V. Patrina, and S.V. Poberovskaya. Electrical Properties of Some Semiconductor Oxide Glasses 454

Koloniyets, B.T., N.A. Goryunova, and V.P. Shilo. Vitreous State in Chalcogenides 456

Koloniyets, B.T. and B.V. Pavlov. Optical Properties of Chalcogenide Glasses 460

Card 19/22

Koloniyets, B.T., T.N. Mamontova, and T.F. Nazarova. Electrical Properties of Chalcogenide Glasses 465

Vaypolin, A.A., and Ye.A. Poray-Koshits [Doctor of Physics and Mathematics]. X-Ray Diffraction Study of Vitreous Chalcogenides of Arsenic 470

Romanovskiy, V.A., and V.V. Tarasov. Structure and Tendency to Vitrification of Sulfides of Group V Elements in the Periodic System of D.I. Mendeleyev 474

Discussion 478

Soda Borosilicate Glasses

Dobychin, D.P. Control of Porous Glass Structure and Problems of the Soda Borosilicate Glass Structure Connected With It 480

Akimov, V.V. Optical Constants and Density of Soda Borosilicate Glasses 484

Card 20/22

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, F. A., Candidate of Med Sci (diss) -- "On the X-ray diagnosis of trophic bone disorders in injuries to the sciatic nerve". Moscow, 1959. 18 pp (State Sci Res Roentgenological and Radiological Inst of the Min Health RSFSR), 150 copies (KL, No 20, 1959, 116)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, F.A. (Yaroslavl', Grazhdanskaya ul., d.17-A, korp.3, kv.37)

On X ray diagnosis of certain forms of trophic disorders of the bone; experimental study). Vest.rent. i rad. 34 no.4:18-24 Jl-Ag '59. (MIRA 12:12)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. V.kh.Kogan) Yaroslavskogo meditsinskogo instituta (dir. - prof. N.Ye. Yarygin).
(BONE AND BONES radiography)
(NERVOUS SYSTEM physiol.)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, F.A.; LUKINA, A.I. (Yaroslavl')

Results of treating erythremia with radioactive phosphorus.
Med.rad. 7 no.6:42-44 Je '62. (MIRA 15:8)
(ERYTHREMIA) (PHOSPORUS--ISOTOPES)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, I.Ya. , laureat Stalinskoy premii.

How we have increased the output of bricks. Gor.khoz.Mosk. 25 no.6:32-34 Je '51. (MLRA 10:9)

1. Starshiy vzvarshchik Nikol'skogo kirpichnogo zavoda,

(Nikol'skoe, Moscow province--Brickmaking)

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MAZOV, M. V.
~~Мазов, М. В.~~

USSR/Physics of the Earth - Geophysical Prospecting, O-5

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 36424

Author: Meyer, G. Ya., Mazov, M. V.

Institution: None

Title: Concerning the Problem of Using Electroacoustic Methods for Geological Investigations

Original Periodical: Book: Sb. statey labor. aerometodov, 1953, Moscow-Leningrad, Izd-vo AN SSSR, 1954, 41-43

Abstract: A brief discussion of the basic problems and results of the development of the electroacoustic method in geophysical prospecting. The method is based on exciting in the earth's crust elastic vibrations or fixed frequency, making it possible to study their propagation over a wide range of frequencies, starting with the very lowest ones. A study of the phenomena related with the frequency and intensity of the propagation of the waves in the ground determines the following factors: the ability of elastic oscillations

Card 1/2

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

USSR/Physics of the Earth - Geophysical Prospecting, O-5

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 36424

Abstract: of becoming reflected from various layers of the earth's crust and the conditions under which they emerge to the surface; the choice of optimum oscillation frequencies; the possibility of employing high frequencies. In the first stage the problem was solved for the acoustic waves of low frequencies. A variant of a radiator was developed, based on the electrodynamic principle. The mechanical energy produced during the interaction between the magnetic fields of a permanent electromagnet and the moving coil carrying alternating current is transferred to a massive membrane, which makes acoustic contact with the ground. A similar radiator creates both undamped periodical oscillations as well as short-period pulses of a specified fixed frequency, and insures the necessary intensity of these vibrations over a frequency range from several cycles to several tens of cycles. Satisfactory seismograms were obtained with existing seismic receivers. The electroacoustic method makes it possible to study the depth and the relief of cover surfaces of crystalline and metamorphic rocks, located under sedimentary rocks, the mapping of native rocks under deposits, the study of the cross section for the purpose of prospecting for useful minerals, etc.

Card 2/2

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, M.V.; MEYER, G.Ya.

High-voltage impulse apparatus for electroacoustic investigations
Trudy Lab.aerometr. 4:119-122 '55. (MLRA 9:2)
(Electroacoustics)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, M.V.

AUTHOR: Feklistov, Ye. M., Engineer SOV/154-58-2-18/22

TITLE: Scientific and Technical Conference of the MIIGA i K (Nauchno-tekhnicheskaya konferentsiya MIIGA i K) III

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"yemka, 1958, Nr 2, pp 115-116 (USSR)

ABSTRACT: In the section for aerophoto-geodetical and photogrammetrical instruments the following persons gave lectures: Professor M. M. Rusinov on "New Tendencies in the Production of Objectives in Instruments Used for Cartographical Aerial Photography." Professor A. N. Lobanov: "On Three-Dimensional Phototriangulation and the Use of Electronic Computers." Professor A. P. Mashkovich: "On Some Theoretical Statements With Regard to Questions of Photogrammetry in Connection With the Production of Precision Instruments for These Purposes." Engineer M. V. Mazov: "The Radio-Synchronizer for Simultaneous Photos From Two Airplanes." Professor K. S. Lyalikov: "Apparatus and Laboratories for Aerial Methods of the AS USSR for the Study of Spectral Intensity." Docent B. P. Zakaznov: "Making the Transformation of Aerial Photographs Automatic." Engineer L. P. Churayev: "Automatic Control of the AFA Exposure." Engineer I. G.

Card 1/2

Indichenko: "Stereophotogrammetrical Coupled Cameras." In a joint session of the sections for geodetical and photogrammetrical instruments Engineer L. Ye Mindlin read a paper on "The Method of Heterodyne Phases in Geophysical Photos." Docent B. N. Rodionov reported on "The Problem of Making Aerial Photography Automatic."
Altogether, there were 52 lectures and reports given. 52 delegates participated in the discussions.

Card 2/2

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3(4) SOV/154-59-2-12/22

AUTHORS: Mazov, M. V., Aksenov, D. S., Cherkasov, I. A., Sharikov, Yu. D.

TITLE: Device for Taking Synchronized Stereo-photographs From Two Airplanes (Apparatura dlya sinkhronnoy stereofotos"yemki s dvukh samoletov)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"yemka, 1959, Nr 2, pp 77-86 (USSR)

ABSTRACT: In 1956, devices for taking synchronized aerial photographs were developed at the Laboratoriya aerometodov AN SSSR (Laboratory for Aerial Methods of the AS USSR). The fundamental condition is a high degree of synchronization. This synchronization can only be achieved with the help of a radio device, which the authors call a radio synchronizer. The essence of the functioning of the device lies in the fact that the impulses for the operation of the shutters of both aerial cameras are given at such an interval, that both shutters open at the same time, because even with aerial cameras of the same type the response time varies. The first model of a radio synchronizer was produced in 1956. A second model followed in 1957. Both designs are described here. Both had various deficiencies which were rectified

Card 1/2

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SOV/154-59-2-12/22

Device for Taking Synchronized Stereo-photographs From Two Airplanes

with the third model. The device consists of a transmitting and a receiving set, installed in two airplanes. The principal wiring diagram is shown in figure 7 and the block wiring diagram in figure 6. The functioning of the radio synchronizer is described in detail. The dimensions of the transmitter are 250 × 300 × 150 mm and those of the receiver 300 × 500 × 250 mm. The weight of each device including the converter is 12 kg. A test proved that a reliable synchronization of 1/200 seconds is secured and that the receiving device is not subject to any interference at all. The device permits the control and adjustment of the synchronization whilst taking stereo-photographs. There are 10 figures.

ASSOCIATION: Laboratoriya aerometodov AN SSSR (Laboratory for Aerial Methods of the AS USSR)

Card 2/2

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, M.V.; VEREVKIN, V.M.; ALEKSEYEV, V.V.

Excitation of elastic waves in soil using electric charges in a liquid medium. Vop.razved.geofiz. no.4:65-69 '64. (MIRA 19:1)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, V.A., zootekhnik

Features of swine raising in Denmark. Zhivotnovodstvo 22 no.7: 90-92 '60. (MIRA 16:5)

(Denmark—Swine)

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MARAKHOVSKIY, I.S., inzhener; MAZOV, V.F., inzhener.

Production of rimmed steel with addition of ferromanganese in the Ladle. Stal' 16 no.8:697-699 Ag '56. (MLRA 9:10)

1.Zavod "Zaporozhstal'."
(Smelting) (Oxidizing agents)

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137-58-6-11683

Translation from. Referativnyy zhurnal. Metallurgiya. 1958, Nr 6, p 66 (USSR)

AUTHOR: Mazov, V.F.

TITLE: Oxygen Applications in Open-hearth Steelmaking (Primeneniye kisloroda v martenovskom proizvodstve)

PERIODICAL Tr. Nauchno-tekhn. o-va chernoy metallurgii, 1957, Vol 18, pp 277-286

ABSTRACT: Presentation of results of the use of O_2 in 185-t open-hearth furnaces (OF) at the Zaporozhstal' plant working on the scrap-and-ore process with 65-70% molten pig iron in the batch. The O_2 is introduced into the nozzle flame by two water-cooled tubes of 25 mm diam, mounted at 7-8° angles on the sides of the gas tank. Delivery of O_2 is always performed during the periods of charging and melt-down, and during the working period for effervescent grades of steel only. When the air was enriched with up to 25% O_2, the hourly output of OF rose by 32% relative to working without O_2; this increased the mean annual output of each furnace by 55,000 t. The consumption of conventional fuel dropped by 14-15%. Owing to the improvement of heat exchange, the efficiency of the furnace proper rose from

Card 1/2

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137-58-6-11683

Oxygen Applications in Open-hearth Steelmaking

34 to 41%. Another method employed is blowing of the bath through the roof by two water-cooled tuyeres immersed 200 mm into the bath. To reduce splashing of the slag and metal, the Cu tips of the tuyeres are provided with screw tops atomizing the stream of O_2. The bath is blown in heats where there is [C] > 0.6% at the moment of fusion, and this is brought to an end when [C] > 0.1%. Blowing continues not over 20 minutes. The bath is reduced by Fe-Mn 10-15 min after the blow. As a result of the blow, the productivity of the OF rises by 6-7%, when the consumption of O_2 on the blow is 6 m^3/t steel. The most effective method is one of combined use of O_2, in which the O_2 is delivered in the flame until the end of the readying period, and then directly into the bath starting when [C] > 0.5%. Also described are variations in the brickwork of the slag pockets and ports that have proved effective when O_2 is used. In this design, the entire mechanical load is borne by silica brick that is protected against the effect of flue dust by a layer of chromium-magnesite. In the building of new open-hearth furnaces it is necessary to give due attention to layout, as the placing of 10-15 OH in a row will impair the productivity of the department. The "insular" positioning of OF with separate charging yards and pouring sides is worthy of attention.

1. Open hearth furnaces--Performance 2. Oxygen--Applications
2. Steel--Production

G.S.

Card 2/2

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DANIKHELKA, A., doktor, inzh.; MIKHAYLOV, O.A., kand. tekhn. nauk; GONCHARENKO, N.I.; KLIMASENKO, L.S.; OYKS, G.N., prof., doktor tekhn. nauk; SEMENENKO, P.P.; MOROZOV, A.N., prof., doktor tekhn. nauk; GLINKOV, M.A., prof., doktor tekhn. nauk; KAZANTSEV, I.G., prof., doktor tekhn. nauk; KOCHO, V.S., prof., doktor tekhn. nauk; ENEKESH, Sh., kand. tekhn. nauk; MOROZENSKIY, L.I., kand. tekhn. nauk; GURSKIY, G.V.; SPERANSKIY, V.G.; NOVIK, L.N., kand. tekhn. nauk, starshiy nauchnyy sotrudnik; SHNEYEROV, Ya.A., kand. tekhn. nauk; PAPUSH, A.G., kand. tekhn. nauk; MAZOV, V.F.; SAMARIN, A.M.

Discussions. Biul. TSNIICHM no.18/19:17-35 '57. (MIRA 11:4)

1. Glavnyy staleplavil'shchik Ministerstva metallurgicheskoy promyshlennosti i rudnikov Chekhoslovatskoy respubliki (for Danikhelka). 2. Direktor TSentral'nogo instituta informatsii chernoy metallurgii (for Mikhaylov). 3. Direktor Ukrainskogo instituta metallov (for Goncharenko). 4. Glavnyy staleplavil'shchik Kuznetskogo metallurgicheskogo kombinata (for Klimasenko). 5. Zaveduyushchiy kafedroy metallurgii stali Moskovskogo instituta stali (for Oyks). 6. Zamestitel' glavnogo inzhenera zavoda im. Serova (for Semenenko). 7. Zaveduyushchiy kafedroy metallurgii stali Chelyabinskogo politekhnicheskogo instituta (for Morozov). 8. Zaveduyushchiy kafedroy metallurgicheskikh pechey Moskovskogo instituta stali (for Glinkov). 9. Zaveduyushchiy kafedroy metallurgii stali Zhdanovskogo metallurgicheskogo instituta (for Kazantsev). 10. Zaveduyushchiy kafedroy metallurgii stali Kiyevskogo politekhnicheskogo instituta (for Kocho).

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

11. Nachal'nik tekhnicheskogo otdela Ministerstva chernoy metallurgii Vengerskoy Narodnoy Respubliki (for Ruskesh). 12. Zamestitel' direktora Novotul'skogo metallurgicheskogo zavoda (for Gurskiy). 13. Nachal'nik tekhnicheskogo otdela zavoda "Dneprospetsstal' (for Speranskiy). 14. Institut metallurgii im. Baykova AN SSSR (for Novik). 15. Nachal'nik staleplavil'noy laboratorii Ukrainskogo instituta metallov (for Shneyerov). 16. Nachal'nik laboratorii po nepreryvnoy razlivke stali Zhdanovskogo filiala TSentral'nogo nauchno-issledovatel'skogo instituta Ministerstva stroitel'noy promyshlennosti (for Papush). 17. Nachal'nik martenovskogo tsekha zavoda "Zaporozhstal'" (for Mazov). 18. Zemestitel' direktora Instituta metallurgii im. Baykova AN SSSR, chlen-korrespondent AN SSSR (for Samarin).

(Steel--Metallurgy)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

KOROLEV, A.I.; BLINOV, S.T.; LUBENETS, I.A.; KOBURNEYEV, I.M.; TURUBINER, A.L.; VASIL'YEV, S.V.; CHERNENKO, M.A.; BELOV, I.V.; TELESOV, S.A.; MAZOV, V.F.; MEDVEDEV, V.A.; MAL'KOV, V.G.; BUL'SKIY, M.T.; TRUBETSKOV, K.M.; SHNEYEROV, Ye.A.; SLADKOSHTEYEV, V.T.; PALANT, V.I.; KUROCHKIN, B.N.; ZHDANOV, A.M.; BELIKOV, K.N.; SABIYEV, M.P.; GARBUZ, G.A.; PODGORETSKIY, A.A.; ALFEROV, K.S.; NOVOLODSKIY, P.I.; MOROZOV, A.N.; VASIL'YEV, A.N.; MARAKHOVSKIY, I.S.; MALAKH, A.V.; VERKHOVTSEV, E.V.; AGAPOV, V.F.; VECHER, E.A.; PASTUKHOV, A.I.; BORODULIN, A.I.; VAYNSHTEYN, O.Ya.; ZHIGULIN, V.I.; DIKSHTEYN, Ye.I.; KLIMASENKO, L.S.; KOTIN, A.S.; MOLOTKOV, N.A.; SIVERSKIY, M.V.; ZHIDETSKIY, D.P.; MIKHAYLETS, N.S.; SLEPKANEV, P.N.; ZAVODCHIKOV, N.G.; GUDEMCHUK, V.A.; NAZAROV, P.M.; SAVOS'KIN, M.Ye.; NIKOLAYEV, A.S.

Reports (brief annotations). Biul. TSNIICHM no.18/19:36-39 '57. (MIRA 11:4)

1. Magnitogorskiy metallurgicheskiy kombinat (for Korolev, Belikov, Agapov, Dikshteyn). 2. Kuznetskiy metallurgicheskiy kombinat (for Blinov, Vasil'yev, A.N., Borodulin, Klimasenko). 3. Chelyabinskiy metallurgicheskiy zavod (for Lubenets, Vaynshteyn). 4. Zavod im. Dzherzhinskogo (for Koburneyev). 5. Zavod "Zaporozhstal'" (for Turubiner, Mazov, Podgoretskiy, Marakhovskiy, Savos'kin). 6. Makeyevskiy metallurgicheskiy zavod (for Vasil'yev, S.V., Mal'kov, Zhidetskiy, Al'ferov). 7. Stal'proyekt (for Chernenko, Zhdanov, Zavodchikov). 8. VNIIT (for Belov). 9. Stalinskiy metallurgicheskiy zavod (for Telesov, Malakh).

(Continued on next card)

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KUROCHKIN, A.I.--(continued) Card 2.

10. Nizhne-Tagil'skiy metallurgicheskiy kombinat (for Medvedev, Novolodskiy, Vecher). 11. Zavod "Azovstal'" (for Bul'skiy, Slepkanev). 12. TSentral'nyy nauchno-issledovatel'skiy institit chernoy metallurgii (for Trubetskov). 13. Ukrainskiy institut metallov (for Smeyerov, Shakoshteyev, Kotin). 14. Zavod "Krasnyy Oktyabr'" (for Palant). 15. Vsesoyuznyy nauchno-issledovatel'skiy institut metallurgicheskoy teplotekhniki (for Kurochkin). 16. Zavod im. Voroshilova (for Sabiyev). 17. Chelyabinskiy politekhnicheskiy institut (for Morozov). 18. Giprostal' (for Garbuz). 19. Ural'skiy institut cherngyh metallov (for Pastukhov). 20. Zavod im. Petrovskogo (for Zhigulin). 21. Ministerstvo chernoy metallurgii USSR (for Molotkov, Siverskiy). 22. Glavspetsstal' Ministerstva chernoy metallurgii SSSR (for Nikolayev).

(Open-hearth process)

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MAZOV, Yu.A.; SAVEL'YEVA R.A.

Single process method of producing fleecy wavy capron yarn. Tekst. prom.17 no.1:17-18 Ja '57. (MLRA 10:2)
(Nylon)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, Yu.A.; DVORNITSKIY, G.S.

Effect of tightness of rayon packages on the rewinding process. Tekst.prom.17 no.2:15-17 F '57. (MLRA 10:2)
(Rayon spinning)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, Yu.A.

MAZOV, Yu.A.

Deformation of unstretched capron fiber. Tekst.prom. 17 no.12: 16-17 D '57. (MIRA 11:1)

(Nylon--Testing)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, Yu.A.

Method of investigating the deformation of an isotropic. Tekst. prom. 18 no.3:17-18 Mr '58. (MIRA 11:3)
(Textile fibers, Synthetic--Testing) (Nylon)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, Yu.A.

Formation of elastic thick pile. Tekst.prom. 18 no.5:68-69 My '58. (MIRA 11:5)

(Textile finishing)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, Yu.A.

Determining the transverse section of textile fibers by the screen method. Tekst.prom. 18 no.10:46-47 O '58. (MIRA 11:11)
(Textile fibers--Testing)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

DVORNITSKIY, Georgiy Stepanovich. Prinimali uchastiye: DEMINA, N.V., inzh.; TALYZIN, M.D., kand.tekhn.nauk; MAZOV, Yu.A., kand. tekhn.nauk. CHINCHIRADZE, I.G., retsenzent; VESNOVSKIY, V.D., retsenzent; OHLOVA, L.A., red.; SEVAST'YANOV, A.G., red.; MEDVEDEV, L.Ya., tekhn.red.

[Twisting and rewinding of silk in the manufacture of synthetic fibers] Kruchenie i peremotka shelka v proizvodstve khimicheskikh volokon. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po legkoi promyshl., 1959. 189 p. (MIRA 13:8)
(Rayon) (Textile machinery)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, Yu.A.; BYKOV, G.A.; SAVEL'YEVA, R.A.

Operation of KOMB-145 machines. Tekst. prom. 19 no.7:36-38 Jl '59. (MIRA 12:11)

(Spinning machinery)

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MAZOV, Yuriy Alekseyevich; TALYZIN, Mikhail Dmitriyevich; USENKO, V.A., retsenzent; YUNITSKIY, V.P., retsenzent; VERBITSKAYA, Ye.M., red.; KNAKNIN, M.T., tekhn.red.

[Processing of fibrous wastes from the synthetic fibers industry] Pererabotka volokn istykh otkhodov promyshlennosti khimicheskikh volokon. Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR, 1960. 90 p. (MIRA 14:4)

(Textile fibers, Synthetic)) (Textile industry--By-products)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, Yu.A.

Preparation of staple fiber for spinning. Khim.volok. no.4:52-58 '60. (MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatle'skiy institut iskusstvennogo volokna.

(Rayon spinning)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, Yu.A.

Device for determining thermal and plastic properties of synthetic fabrics. Tekst.prom. 20 no.2:56-57 F '60. (MIRA 13:6)

(Textile fibers, Synthetic--Testing)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, Yu.A.; MAKAROV, Yu.M.

Technological and design characteristics of a bobbin holder for warping from cakes. Khim.volok. no.2:54-56 '62. (MIRA 15:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.

(Spinning machinery)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOV, Yu.A.

Method of determining the bulk volume of elastic filaments. Khim. volok. no.3:53-56 '64. (MIRA 17:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVEC, M.

"What type of plane for the Yugoslav Aeronautic Federation?" Narodna Krila, Beograd, Vol 6, No 1, Jan./Feb. 1953, p. 2.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVEC, Majda

Effect of climate on normal and sick persons. Zdrav. vest Ljubljana 23 no.7-8:174-176 1954.

1. Interna klinika Medicinske visoke sole v Ljubljani, predstojnik prof. dr. Igor Tavcar.
(CLIMATE
climatother.)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

VOLAVSEK, B.; MAZOVEC, M.

Diabetes and myocardial infarct. Zdrav. vestn. 33 no.3:73-[illegible] 144

1. Interna klinika medicinske fakultete v Ljubljani (Predst[illegible] prof. dr. I. Tavcar).

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVEC, M.; ROSINA, M.

Benzylrodiuran - a new diuretic in clinical practice. Zdrav. vestn. 34 no.1:29-31 '65.

1. Interna klinika medicinske fakultete v Ljubljani (predstojnik: prof. dr. Stanislav Mahkota).

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KRUSHINSKIY, L.V., doktor biologicheskikh nauk; MERKUR'YEVA, Ye.K., kandidat sel'skokhozyaystvennykh nauk; IZRAILEVICH, I.Ye., kandidat veterinarnykh nauk; IL'INSKIY, S.A., veterinarnyy vrach; IN'KOV, N.M., veterinarnyy vrach; STOGOV, K.S., veterinarnyy vrach; VANICHEV, M.I., veterinarnyy vrach; MAZOVER, A.P., veterinarnyy vrach; ORLOV, A.P., veterinarnyy vrach; RYLOV, V.V., teterinarnyy vrach; SAKHAROV, N.A., veterinarnyy vrach; DIKAREV, P.I., redaktor; MUSHTAKOVA, L., tekhnicheskiy redaktor

[The working dog; manual for training specialists in raising work dogs] Sluzhebnaia sobaka; rukovodstvo po podgotovke spetialistov sluzhebnogo sobakovodstva. Moskva, Gos. izd-vo selkhoz. lit-ry, 1952. 616 p. (MIRA 10:1)

(Dogs--Training)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, Aleksandr Pavlovich; KLETCHENKO, A.V., redaktor; VESKOVA, Ye.I., tekhnicheskiy redaktor

[Raising dogs for farm use] Sobakovodstvo v sel'skom khoziaistve. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 196 p. (MIRA 9:9)
(Dogs)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

GEHD, M.A.; IN'KOV, N.M.; MAZOVER, A.P.; NAZAROV, V.P.; ORLOV, A.P.; SAKHAROV, N.A.; BABKINA, N.G., red.; GOR'KOVA, Z.D., tekhn.red.

[Principles of the raising of working dogs] Osnovy sluzhebnogo sobakovodstva. Moskva, Gos.izd-vo sel'khoz. lit-ry, 1958. 367 p. (MIRA 11:12)

(Dogs)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

ZAVODCHIKOV, Petr Alekseyevich; KURBATOV, Valerian Vladimirovich; NAZOVKR, Aleksandr Pavlovich; NAZAROV, Viktor Petrovich; BOLOGOV, G.N., red.; BARANOVA, L.G., tekhn.red.

[Manual on dog breeding] Spravochnaia kniga po sobakovodstvu. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 317 p. (MIRA 13:12)

(Dog breeding)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

1. MAZOVER, I. S., Eng.

2. USSR (600)

4. Metals - Finishing

7. Smoothness of surface, and precision in metal work. Vest mash No 6 1952.

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

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, I.S., inzhener-konstruktor.

Standarts for nuts should be systematized. Standartizatsiia no. 4:68 Jl-Ag '54. (MLRA 8:2)
(Bolts and nuts —Standarts)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

LANG, A.G.; MAZOVER, I.S.; GRIGORUK, Ye.S., retsenzent; ANTOKOL'SKIY, L.S., inzhener, nauchnyy sotrudnik, retsenzent; SAMOYLOVICH, P.A., dotsent, nauchnyy redaktor; KAPLAN, M.Ya., redaktor izdatel'stva; PUL'KINA, Ye.A., tekhnicheskiy redaktor

[Construction gantry cranes; layout, operation and assembly] Stroitel'nye krany; ustroistvo, obsluzhivanie i montazh. Leningrad, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 190 p. (MIRA 9:12)

1. Zamestitel' nachal'nika Upravleniya Dneprostroya (for Grigoruk)
2. Leningradskiy filial Vsesoyuznogo Nauchno-issledovatel'skogo instituta Stroydormashs (for Antokol'skiy).
(Cranes, derricks, etc.)

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~~Alekseyev~~, Mazover, Iosif S

PHASE I BOOK EXPLOITATION 235

Alekseyev, Grigoriy Porfir'yevich, and Mazover, Iosif Semenovich

Spravochnik konstruktora-mashinostroitelya; rabochiye tablitsy (Handbook for Designers of Machine-building Equipment; Tables for Calculations) Leningrad, Sudpromgiz, 1957. 327 p. 25,000 copies printed.

Scientific Ed.: Serdyukov, S. A.; Ed.: Shaurak, Ye. N.; Tech. Ed.: Kontorovich A. I.; Corrector: Al'fimova, V. M.

PURPOSE: The handbook is intended for designers and machine-builders, primarily for designers of ship machinery. It will also be useful to students of machine-building vuzes and technical schools.

COVERAGE: The handbook contains currently used reference data required for designing machine parts and assemblies. No personalties are mentioned and there are no references.

Card ~~1/19~~

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, I.S., inzhener.

The fifteen ton gantry crane. Vest. mash. 37 no.7:38-43 Jl '57.
(Cranes, derricks, etc.) (MLRA 10:8)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

SOV/122-58-11-17/18

AUTHOR: Mazover, I.S., Engineer

TITLE: Twin-Outrigger, Concrete Laying Crane (Dvukhkonsol'nyy betonoukladochnyy kran)

PERIODICAL: Vestnik Mashinostroyeniya, 1958, Nr 11, pp 89-92 (USSR)

ABSTRACT: A new twin-outrigger crane was built by the Haulage and Handling Equipment Works "Imeni Kirova" (Zavod Pod"yemno-Transportnogo Oborudovaniya) to replace portal cranes mainly for concrete laying duties in the construction of the Bratsk Hydro-Electric Power Station Dam, because of its much greater height compared with the other river dams built in Russia. The lifting capacity is 22 tons, the maximum over-hang is 50.5 m, the total lifting height is 142 m, the lifting rate is 100 m/min., the crane travelling speed is 100 m/min., the total installed power is 2300 kw and the total weight 430 tons. The main structure, illustrated in Fig.2, consists of a braced 4-legged tower supporting the upper platform which extends into two outriggers, wire rope braced from a top tower. The main tower is mounted on 4 travelling bogies,

Card 1/2

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SOV/122-58-11-17/18

Twin-Outrigger, Concrete Laying Crane

illustrated in Fig.3. Several constructional details are enumerated and described. Owing to frequent fogs, the crane driver cabin is connected with the bottom by means of a telephone link and a portable radio link. A television circuit connects the cabin to a transmitter situated at the concrete laying point. There are 5 illustrations.

Card 2/2

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MAZOVER, I.S., inzh.

Gantry cranes with a capacity of 5 tons. Stroi. i dor. mashinostr. 5 no.12:23-24 D '60. (MIRA 13:11)
(Cranes, derricks, etc.)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

ALEKSEYEV, Grigoriy Porfir'yevich; MAZOVER, Iosif Semenovich; PAYKIN, Ye.V., inzh., retsenzent; POLYAKOV, V.S., dotsent, kand.tekhn. nauk, retsenzent; SERDYUKOV, S.A., nauchnyy red.; LUKASHEVICH, L.A., red.; SHAURAK, Ye.N., red.; TSAL, R.K., tekhn.red.

[Manual for machinery designers and builders; formulas and calculations] Spravochnik konstruktora-mashinostroitelia; formuly i raschety. Leningrad, Gos.soiuznoe izd-vo sudostroit. promyshl., 1961. 447 p. (MIRA 14:6)
(Machinery--Construction)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, I.S., inzh.

New type of gantry cranes. Vest.mash 41 no.3:49-53 Mr '61. (MIRA 14:3)

(Cranes, derricks, etc.)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

LANG, A.G.; MAZOVER, I.S.; MAYZEL', V.S.; BARANOV, N.A.; GOKHBER, M.M., dokt. tekhn. nauk, prof., retsenzent;; PAVLOV, N.G., kand. tekhn. nauk, red. MITARCHUK, G.A., red. izd-va; SHCHETININA, L.V., tekhn. red.

[Gantry cranes; design and construction]Portal'nye krany; raschet i konstruirovanie. Izd.2., perer. i dop. Moskva, Mashgiz, 1962. 283 p. (MIRA 15:10)
(Cranes, derricks, etc.)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

ANAN'YEV, A.A.; LANG, A.G.; MAZOVER, I.S.; NIKOLAYEVSKIY, G.M.; PYASETSKIY, V.V.; DUKEL'SKIY, A.I., prof., doktor tekhn. nauk, red.; KOGAN, I.Ya., kand. tekhn. nauk, retsenzent; BAZANOV, A.F., inzh., retsenzent; SAMOYLOVICH, P.A., kand.tekhn. nauk,red.; VASIL'YEVA,V.P.,red.izd-va; PETERSON,M.M.,tekhn.red.

[Handbook on cranes]Spravochnik po kranam. Pod red. A.I.Dukel'-skogo. Moskva, Mashgiz. Vol.2.[Crane mechanisms, their units and parts]Kranovye mekhanizmy, ikh uzly i detali. [By] A.A.Anan'ev i dr. 1962. 351 p. (MIRA 15:8)

(Cranes, derricks, etc.)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

ALEKSEYEV, Grigoriy Porfir'yevich; MAZOVER, Iosif Semenovich; KOVIN-GRANATOV, S.A., inzh., retsenzent; SHAURAK, Ye.N., red.; CHISTYAKOVA, R.K., tekhn. red.

[Manual for machinery designers; working tables] Spravochnik konstruktora-mashinostroitelia; rabochie tablitsy. Izd.2., ispr. i dop. Leningrad, Sudpromgiz, 1963. 476 p.
(MIRA 17:1)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, N.D.

System $CuSO_4$ - $FeSO_4$ - H_2SO_4 - H_2O. Zhur.prikl.khim. 26 no.6:612-618 Je '53. (MLRA 6:7)

1. Laboratoriya obshchey i neorganicheskoy khimii Odesskogo politekhnicheskogo instituta. (Systems (Chemistry)) (Sulphates)

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MAZOVER, N.D.

USSR.

The system $CuSO_4$-$FeSO_4$-$ZnSO_4$-H_2SO_4-H_2O. N. D. Mazover. *J. Appl. Chem. U.S.S.R.* 26, 709-11(1953) (Engl. translation).—See *C.A.* 48, 7473i. H. L. H.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, N.D.

System: $CuSO_4$ - $FeSO_4$ - $ZnSO_4$ - H_2SO_4 - H_2O. Zhur.prikl.khim. 26 no.7: 756-759 Jl '53. (MLRA 6:7)

1. Laboratoriya obshchey i neorganicheskoy khimii Odesskogo politekhnicheskogo instituta. (Systems (Chemistry)) (Sulfates)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

S/080/61/034/012/010/017
D227/D305

AUTHORS: Kinevskiy, A.I., and Mazover, N.D.

TITLE: On the problem of using sodium nitrite for slowing down the corrosion of steel in humid air atmosphere containing sulphur dioxide

PERIODICAL: Zhurnal prikladnoy khimii, v. 34, no. 12, 1961, 2705 - 2711

TEXT: Experiments were carried out on -42 (E-42) steels containing 0.07 % C, 0.13 % Mn, 4.29 % Si, 0.015 % P, 0.005 % S, 0.20 % Cu 0.08 % Cr, 0.07 % Al and 95.14 % Fe. Two kinds of experiments were conducted, in which part of the specimens were kept in sodium nitrite solutions of variable concentration (water from Odessa mains was used as electrolyte), for a period of 288 hours at 17-18°C, and part were subjected to humid atmosphere (96 % relative humidity) containing sulphur dioxide in varying concentration. In the latter experiments specimens were divided into two groups, one of which was subjected to 1 min. immersion in 40 % sodium nitrite

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prior to exposure, while the other was not. It was established experimentally that immersion of specimens in sodium nitrite solution of 30 % concentration and more for up to 2 years did not result in corrosion. The protective action of sodium nitrite in % is expressed by

$$Z = \frac{K_o - K}{K_o} \cdot 100$$

where K_o - rate of corrosion in water from mains and K - rate of corrosion in the same water but in the presence of $NaNO_2$ (determination by weighing). The results showed that sodium nitrate in small concentrations may accelerate the corrosion; above 30 % it tends to passivate the metal and stop the corrosion. In the second part of experiments, where corrosion was measured for periods of exposure of 24 to 72 and 72 to 144 hours, it was observed that the corrosion of untreated specimens started at various points on the surface, and the points finally merged to give dark-brown layer of the corrosion products. In the case of pre-treated specimens corrosion appeared in the form of small light-brown spots covered with drops of liquid which detached themselves as their size increased,

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and removed the products of corrosion. The observations of effects of sulphur dioxide concentration on the corrosion rate of untreated specimens showed that the rate of corrosion increased with the partial vapor pressure of SO_2 (up to 0.43 mm Hg). Further increase of vapor pressure retarded the process. In the case of specimens treated with sodium nitrite, corrosion occurred both at low and high concentrations of sulphur dioxide, but the rate was considerably lower than that of the untreated specimens. The corrosion inhibiting action of sodium nitrite is complex and the authors assume the following mechanism. In the acid solution present on the metal surface, nitrite is converted into nitrous acid which on reacting with sulphurous acid produces NO. The latter catalyzes oxidation of H_2SO_3 to H_2SO_4 which in turn reacts with iron producing $FeSO_4$, S and H_2S all of which have been identified in the products of corrosion. In acid solutions containing dissolved oxygen, divalent iron is oxidized to trivalent iron which appears to be an effective cathode depolarizer. Consequently $Fe + 2Fe^{\cdot\cdot\cdot} = 3Fe^{\cdot\cdot}$ and the reaction is followed by the oxidation of $Fe^{\cdot\cdot}$. The effect of this reaction on the total corrosion process depends on the concentration of

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iron ions and sulphuric acid in the solution. In conclusion it is said that sodium nitrite may be used to retard the atmospheric corrosion of steel but only for short periods and at very low concentrations of sulphur dioxide. There are 1 figure, 1 table and 17 references, 15 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language publications read as follows: A. Wacher and S. Smith, Ind. Eng. Ch., 35, 358, 1943; W. Vernon, Trans. Faraday Soc. 19, 886, 1924.

ASSOCIATION: Kafedra obshchey i neorganicheskoy khimii Odesskogo politekhnicheskogo instituta (Department of General an Inorganic Chemistry Odessa Polytechnic Institute)

SUBMITTED: January 13, 1961

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

KINEVSKIY, A.I.; MAZOVER, N.D.

Inhibiting action of thiourea and formalin on the corrosion of high-alloy silicon steel in sulfuric acid solutions. Zhur. prikl. khim. 36 no.12:2774-2775 D'63. (MIRA 17:2)

1. Odesskiy politekhnicheskiy institut.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

P'YANKOV, V.A.; MAZOVER, N.E.; SHEVCHENKO, N.A.

Solubility of cadmium oxide in solutions of potassium nitrate and oxalate. Ukr. khim. zhur. [illegible] (MIRA [illegible])

1. Omesskiy politekhnicheskiy institut.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, Ya.A.; SAVEL'YEV, V.K.

Geography of power engineering. Priroda 50 no.10:49-58 O '61. (MIRA 14:9)

1. Sovet po izucheniyu proizvoditel'nykh sil pri Gosekonomsovete SSSR.

(Power resources)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, Ya.A.; NEKRASOV, A.S.; SAVEL'YEV, V.K.

Future geography of the fuel-power economy of the U.S.S.R.
Vop. geog. no.57:22-38 '62. (MIRA 15:10)
(Power resources)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, Ya.A.

Regional consumption of coal and development of coal mining in the Krasnoyarsk Territory. Izv. Sib. otd. AN SSSR no.7:3-12 '58. (MIRA 11:9)

1.Krasnoyarskaya kompleksnaya Ekspeditsiya Sovate po izucheniyu proizvoditel'nykh sil AN SSSR.
(Krasnoyarsk Territory--Coal)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, Ya. A.

Future of the coal mining industry in Eastern Siberia. Vost.ugl 8 no.3:6-7 Mr '59. (MIRA 13:4)
(Siberia, Eastern--Coal mines and mining)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, Ya.A.

Coal mining in the Krasnoyarsk territory and prospects for its expansion. Trudy Vost.-Sib.fil.AN SSSR no.21:31-57 '59.
(MIRA 13:9)
(Krasnoyarsk Territory--Coal mines and mining)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

MAZOVER, Ya. G.

Manganic metaphosphate. Ya. G. Mazover and T. I. Zakharova. Russ. 34,541, Feb. 28, 1934. Waste contg. H_3PO_4, obtained in the prepn. of salol, naphthyl benzoate and AcCl, is oxidized by heating with MnO_2 in acid soln. $Mn(PO_3)_2$ seps. on neutralization of the soln.

COMMON ELEMENTS

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

AUTHOR INDEX

1ST AND 2ND LETTER

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, Ya. G.

10

Ca

Chloroacetopyrocatechol. Ya. G. Mazover. Russ. 58,083, Dec. 31, 1940. $CH_2ClCOCl$ is condensed with pyrocatechol in $CHCl_3$ in the absence of O and under a slight vacuum.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, Ya. G.

29

Tannin. Ya. G. Mazover. Russ. 58,206, Oct. 31, 1940. The aq. ext. from tannin-contg. leaves is treated with NaCl and a mixt. of butyl acetate and butyl alc., and tannin is recovered from the alc.-ester layer.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, IA. G.

Ia. G. Mazover, Dihexyl-dioxy-fluorane and its di-bromo-derivative. p. 1 01

A method is given for obtaining di-hexyl-dioxy-fluorane; a condensing mediu of 75% sulfuric acid is used.

Laboratory of Heterocyclic Compounds of the Ordzhonikidze, All Union Scientific Research Inst. of Pharmaceutical Chemistry, Moscow, August 9, 1947

SO: Journal of General Chemistry (USSR) 28, (80) No. 10 (1948):

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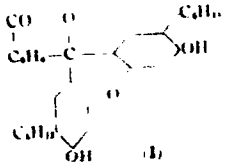
"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, Ya. G.

10

CA

Dihexyldihydroxyfluoran and its dibromo derivatives. Ya. G. Mazover. *Zhur. Obshchei Khim.* (J. Gen. Chem.) 18, 1801-3(1948).—Dihexyldihydroxyfluoran (I) was prepd., following the reported prepn. of this substance by



(I)

Novelli (*C.A.* 27, 5050). It was best prepd. (46-5 g.) from 15 g. phthalic anhydride and 39 g. hexylresorcinol refluxed with 100 g. 73% H_2SO_4 2 hrs., cooled, poured into 1 l. cold H_2O, the ppt. extd. by hot 5% Na_2CO_3, and the ext. acidified; refluxing the crude product 1 hr. with Ac_2O gives the *diacetate*, m. 110-17° (from EtOH), which on hydrolysis by 10% alc. KOH gives pure I, m. 190-2°. I (5 g.) in 30 ml. EtOH with 4 g. Br gives a *di-Br deriv.*, m. 360°, purified through the *diacetate*, m. 151-2°. I stimulates malignant tumors, does not have a bactericidal effect on *Bacterium coli* but does have a selective action on staphylococci, about 150% higher than hexylresorcinol.

G. M. Kosolapoff

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, YA. G.

PA 46/49T27

USSR/Chemistry - Aminobenzoic Acid Feb 49
Chemistry - Organic Compounds

"N-Nicotinoil-n-Aminobenzoic Acid," Ya. G. Mazover, Lab of Heterocyclic Compounds, All-Union Sci Res Chemicophar Inst imeni S. Ordzhonikidze, Moscow, 2 pp

"Zhur Obshch Khim" Vol XIX, No 2 p. 356

Obtains new derivative of n-aminobenzoic acid with a nicotinoil radical in the amino group, N-nictinoil-n-aminobenzoic acid, by oxidation of n-toluidide of nicotinic acid. Submitted 9 Jul 47.

46/49T27

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, YA. G. PA 67/49 T57

USSR/Chemistry - Sulfonal May 49
Cyclic Compounds

"New Disulfone Derivatives: I, Homologues and Analogues of Sulfonal," Ya. G. Mazover, Lab of Heterocyclic Compounds, All-Union Sci Res Chemico-phar Inst imeni Sergey Ordzhonikidze, Moscow, 5½ pp

"Zhur Obshch Khim" Vol XIX, No 5 p. 843

Describes the method for deriving cyclic disulfones, and derives six, five of them previously undescribed in publications. Submitted 27 May 47.

[redacted] 67/49T57

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, YA. G.

PA 67/49T56

USSR/Chemistry - Sulfonal May 49
Heterocyclic Compounds

"New Disulfone Derivatives; II, Homologues and Analogues of Sulfonal," Ya. G. Mazover, Lab of Heterocyclic Compounds, All-Union Sci Res Chemico-phar Inst imeni Sergey Ordzhonikidze, Moscow, 8 pp

"Zhur Obshch Khim" Vol XIX, No 5, p 849

Develops a method for extracting acyclic disulfones, and describes the derivation of ten such compounds. Submitted 24 May 47.

[redacted] 67/49T56

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

232T35

MAZOVER, YA. G.

USSR/Chemistry - Pharmaceuticals Sep 52

"Cyclization of the Halogeno-ureide Series," Ya. G. Mazover, Lab of Heterocyclic Compds, All-Union Sci Res Chem-Phar Inst imeni S. Ordzhonikidze

"Zhur Obshch Khim" Vol 22, No 9, pp 1700-1702

By fusing sulfanilamide with bromural, the new compd $C_{12}H_{15}O_4N_3S$ was obtained which the author believes to be a deriv of hydantoin substituted in the 1 and 5 positions.

232T35

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVER, Ya. G.

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Organic Chemistry

O chem

Cyclization in the haloureide series. Ya. G. Mazover. *J. Gen. Chem.* (U.S.S.R.) 22, 1741-2(1952)(Engl. translation).—See *C.A.* 47, 9275a. H. L. H.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVETSKIY, A.G.

Treatment of thyrotoxic coma. Probl. endok. i gorm. 6 no.6:121-123 '60. (MIRA 14:2)

(HYPERTHYROIDISM) (COMA)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVETSKIY, A.G. (Moskva)

Endemic goiter; its prevention and treatment. Med. sestra 20 no.10: 22-25 O '61. (MIRA 14:12)

1. Iz Vsesoyuznogo instituta eksperimental'noy endokrinologii.
(GOITER)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVETSKIY, A.G.; PODLESNOV, A.V. (Ust'-Kamenogorsk)

Case of severe side reactions following the administration of penicillin. Klin.med. 39 no.3:148-149 Mr '61. (MIRA 14:3)

1. Iz terapevticheskogo otdeleniya oblastnoy bol'nitsy (glavnyy vrach V.N. Gapon).

(PENICILLIN)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

SANTOTSKIY, M.I., doktor med.nauk; MAZOVETSKIY, A.G., rach

Endemic goiter. Zdorov'e 8 no.9:23-24 S '62. (MIRA 15:9)
(GOITER)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVETSKIY, A.G.; MARDER, O.P. (Moskva)

Dynamics of endemic goiter in school children in Samarkand. Probl. endok. i gorm. 10 no.1:28-31 Ja-F '64. (MIRA 17:10)

1. Vsesoyuznyy institut eksperimental'noy endokrinologii (dir. - prof. Ye.A. Vasyukova).

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

MAZOVETSKIY, E.N.

Use of transluminometry in the diagnosis of highmoritis. Vest. otorih. no.1:50-54 '63. (MIRA 16:9)

1. Iz kliniki bolezney ukha, nosa i gorla (dir. - deystvitel'nyy chlen AMN SSSR, zasluzhennyy deyatel' nauki prof. B.S. Preobrazhenskiy) lechebnogo fakul'teta II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.
(MAXILLARY SINUS—DISEASES) (DIAGNOSIS)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001033130006-4

VENGRINOVICH, V.L., inzh.; MAZOVKA, A.P., inzh.; ZAGNITKO, Yu.I., inzh.; SHCHERBAKOV, N.F., inzh.

Resistance welding of thin walled aluminum and copper tubes. Svar. proizv. no.4:31-32 Ap '65. (MIRA 18:6)

1. Bazovaya svarochnaya laboratoriya Soveta narodnogo khozyaystva BSSR (for all except Shcherbakov). 2. Minskiy zavod elektro-kholodil'nikov (for Shcherbakov).

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MEDVEDEV, A.M.; VORONTSOV, A.P.; MAZOVKA, N.N.

Modified charging device for the DK-0,2 dosimeter with an a.c. power supply. Vest. rent. i rad. 35 no. 4:61 Jl-Ag '60. (MIRA 14:2)

1. Iz kafedry rentgenologii i meditsinskoy radiologii (zav. - prof. V.P. Gratsianskiy) Kalininskogo meditsinskogo instituta (direktor - dotsent A.N. Kushnev).
(RADIATION—DOSAGE)

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MAZOVKA, N.N., assistent

Further observations on changes in the activity of cholinesterase of the blood serum in cancer patients during radiation therapy. Trudy KGMI no.10:177-178 '63. (MIRA 18:1)

1. Iz kafedry rentgenologii i meditsinskoy radiologii (zav. kafedroy kand.med.nauk M.N.Voskresenskiy) i kafedry patologicheskoy fiziologii (zav. kafedroy - dotsent R.N.Shastin) Kalininskogo gosudarstvennogo meditsinskogo instituta i Kalininskogo oblastnogo onkologicheskogo dispansera (glavnyy vrach, zasluzhennyy vrach RSFSR T.N.Mikhireva).

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13
B

AUTHOR: Mazovka, N. N.

ORG: Department of Roentgenology and Medical Radiology /headed by M. N. Voskresenskiy/, Kalinin Medical Institute (Kafedra rentgenologii i meditsinskoy radiologii Kalininskogo meditsinskogo instituta); Department of Pathological Physiology /headed by P. N. Shastin/, Kalinin Medical Institute (Kafedra patologicheskoy fiziologii Kalininskogo meditsinskogo instituta)

TITLE: Changes in the cholinesterase activity of the blood serum of cancer patients during radiotherapy

22

SOURCE: Meditsinskaya radiologiya, v. 10, no. 2, 1965, 12-13

TOPIC TAGS: blood serum, enzyme, radiotherapy, radiation injury, liver, radiation sickness

ABSTRACT: Considering that changes in the cholinesterase activity of the blood serum during irradiation have been said to be of possible diagnostic significance to the early detection of radiation injuries to the liver, the authors investigated such changes in 67 patients with cancer of the uterine cervix and cancer of the mammary gland. The irradiation doses for the skin totaled 8,000 to 31,000 r over the entire period of therapy. All the patients developed a mild variety of radiation sickness with symptoms of varying intensity. Cholinesterase activity was found to decrease in 40 of the

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patients during the radiotherapy, and to increase in 27. The decrease in the activity of this enzyme was most often observed in the patients with more marked symptoms of radiation illness in the presence of disturbances in nutrition (partial refusal of food) following the intracavitary administration of Co^{60} preparations during the period of post-operative radiotherapy. The authors conclude that the irradiation, combined with partial starvation, disturbed the hepatic function and reduced the production of protein, particularly of cholinesterase. Changes in the activity of the serum cholinesterase are of significance in individual cases, provided the activity level prior to the treatment is individually determined. However, these changes are of only limited diagnostic significance in the detection of radiation injuries to the liver during the radiotherapy of cancer patients. [JPRS]

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MAZROMATI, G S.

YERMOLIN, N.P., doktor tekhnicheskikh nauk, professor; MAZROMATI, G.S., kandidat tekhnicheskikh nauk, dotsent; TALYSHINSKIY, I.T., kandidat tekhnicheskikh nauk, dotsent.

Review of G.N.Petrov's book "Electric machines." Elektrichestvo no.2:95-96 F '57. (MIRA 10:3)

1. Kafedra elektricheskikh mashin Leningradskogo elektrotekhnicheskogo instituta im. Ul'yanova (Lenina).
(Electric machines)

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