"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANASOV, I. A.

Chechen-Ingush Veterinary Research Station. Trudy VIEV 23:405 '59. (MIRA 13:10)

(Chechen-Ingush A.S.S.R.--Veterinary research)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

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AFANASOV, I.A.

Action of biomycin in infectious atrophic rhinitis in swine.
Veterinariia 36 no.4:64 Ap '59. (MIRA 12:7)

1. Direktor Checheno-Ingushskoy nauchno-issledovatel'skoy veterinarnoy stantsiyey.
(Swine--Diseases and pests)
(Aureomycin)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANASOV, Igor' Mikhaylovich, kandidat tekhnicheskikh nauk; CHAPSKIY, O.U., redaktor; MOLODTSOVA, N.G., tekhnicheskiy redaktor

[Regulation of diesel fuel injectors] Regulirovka toplivopodaiushchei apparatury dizelei. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 85 p. (MLRA 9:10)
(Diesel engines)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANASOV, N.I., gornyy inzhener

Surveys in vertical shaft workings with a connecting stope. Gor.zhur. no.3:54-55 Mr '55. (MIRA 8:7)
(Shaft sinking)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANASOV, P. I.

Treatment of Dysentery by Acidophilene.

VOYENNO-MEDITSINSKIY ZHURNAL (MILITARY MEDICAL JOURNAL), No 12, 1954. p. 35

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANASOV, S. G.

S. G. Afanasov and P. M. Bubnov, "Wide-range Small-size Oscillator System of the Decimeter Band." Scientific Session Devoted to "Radio Day", May 1958, Trudrezervizdat, Moscow, 9 Sep 58.

Construction of the triode decimeter band oscillators is analyzed, in which strip transmission lines with periodically varying parameters are used as oscillator loops.

Methods are presented to compute such loops and their experimental characteristics are given.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

06495
SOV/141-58-4-11/26

AUTHOR: Afanasov, S.G.

TITLE: Electronic Frequency Trimming of UHF Triode Oscillators (Elektronnaya perestroyka chastoty triodnykh generatorov SVCh diapazona)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, 1958, Nr 4, pp 100-104 (USSR)

ABSTRACT: Triode oscillators are employed at dm and cm wavelengths where they may have certain advantages in comparison with klystrons. The oscillators of this type are sometimes required to work as frequency modulators. The problem is investigated in this work. It is assumed that in the analysis of a triode oscillator operating with large anode voltages, the transit time in the anode-grid space can be neglected. The anode current pulse can then be determined, if the convection current in the grid plane is known. The current is given by

$$i_{gk} = 10^{-6}\frac{(\alpha V)^{3/2}}{d^2_{gk}} Q_k f_{gk}(\omega t, \gamma, \beta)$$

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06495
SOV/141-58-4-11/26

Electronic Frequency Trimming of UHF Triode Oscillators

where Q_k is the area of the cathode, d_{gk} is the distance between the grid of the cathode; $\beta = -V_{go}/\alpha V$; $\gamma = V/V_o$; ω is the frequency and t is time. If the anode current pulse is expanded into a Fourier series, the amplitude and phase of the first harmonic of the intensity current is given by:

$$\tilde{J}_1(\gamma,\beta) = Kj\frac{1}{\pi}\int_{\omega t_1}^{\omega t_2} f_{gk}(\omega t,\gamma,\beta)e^{-j\omega t}d(\omega t)$$

where K is a constant, while t_1 and t_2 denote the instants of the start and the termination of the anode current pulse. The functions f_{gk}, which determine the convection current in the grid plane, were tabulated in Ref 1. These values are used to determine the real and imaginary component of the convection current and the results are shown in Table 1, p 102. Functions f_{gk} are plotted in Fig 1 against ωt. From Fig 1 it is seen that an increase in γ leads to an increase in the phase shift between the anode current pulse and the voltage

Card 2/4

... tuning range

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Electronic Frequency Trimming of UHF Triode Oscillators

is strongly dependent on frequency, while the output power is almost constant especially in the case of the tube, type GSS-15. There are 4 figures, 1 table and 1 Soviet reference.

ASSOCIATION: Issledovatel'skiy radiofizicheskiy institut pri Gor'kovskom universitete (Radiophysics Research Institute of the Gor'kiy University)

SUBMITTED: 18th April 1958

Card 4/4

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

11 июня
(с 18 до 22 часов)

Г. И. Рапопорт

Возбуждение волновода электронным пучком с периодически изменяющимися траекториями.

С. Г. Афанасов

Об управлении частотой троидного генератора

А. И. Чикин

Низкочастотные шумы современных электронных ламп

М. С. Аралов

Метод получения волнейных анодно-сеточных характеристик выпуклых форм в многосеточных электронных лампах.

12 июня
(с 10 до 16 часов)

Е. В. Богданов,
В. Я. Кислов,
З. С. Чернов

Взаимодействие электронного потока с плазмой.

Г. Д. Лобов

Гиперразрядный детектор СВЧ колебаний.

А. И. Выставкин,
И. И. Залогин,
С. С. Шахиджанов

Волноводные умножители частоты на релятивистских электронных пучках.

А. И. Харченко,
Е. В. Быховская,
М. И. Елинсон,
Л. В. Зернов

Электронные контактные лампы и некоторые возможные схемы их применения

6. СЕКЦИЯ РАДИОИЗМЕРЕНИЯ

Руководитель Г. Д. Бурдун

9 июня
(с 10 до 16 часов)

А. Г. Смагин

О перспективах повышения стабильности кварцевых генераторов для эталонов частоты

report submitted for the Centennial Meeting of the Scientific Technological Society of Radio Engineering and Electrical Communications im. A. S. Popov (VNORiE), Moscow, 8-12 June. 1959

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

66318

SOV/162-59-1-12/27

~~9 (2, 3)~~ 9,4200

AUTHOR: Afanasov, S.G.

TITLE: The Reactive Properties of Planar Electron Gaps

PERIODICAL: Nauchnyye doklady vysshey shkoly, Radiotekhnika i elektronika, 1959, Nr 1, pp 98-104

ABSTRACT: The author recommends using planar electron gaps, formed by the grid and the anode of a triode, for electronic retuning of the frequency of oscillatory circuits and oscillators in the centimeter and decimeter wave range. First, he discusses the impedance characteristics of the grid - anode gap of a triode operating with two electron flows. The impedance of the electron gap is calculated as a function of the electron transit angle in the space between the anode and the grid. It is assumed that the electrons enter the space between the grid and the anode with a constant initial velocity v_0, which is different from zero, and do not reach the plane of the anode, but return to the grid, ie. a negative voltage E_0 has been

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66318
SOV/162-59-1-12/27

The Reactive Properties of Planar Electron Gaps

applied between the grid and the anode; the electrons do not re-enter the space between grid and anode; the variable components of the high-frequency field are considerably smaller than the constant components; the field, created by the space charge, and the distortion of this field due to the fringe effect, are negligible. The results of these calculations are presented graphically in Fig 1. The impedance characteristics of electron gaps were investigated experimentally for small and large amplitudes of the high-frequency field. The grid-anode gaps of GI-11B and GI-12B metalloceramic triodes were used for the experiments. The gap impedances were measured with ILD-1 Lecher wires at a frequency of 600 Mc. The typical dependence of the relative changes of the electron gap capacitance on the electron flow conditions is shown graphically in Fig 2. This graph shows that the voltage between the grid and the anode changes from high positive to low negative values. This means that a single

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66318
SOV/162-59-1-12/27

The Reactive Properties of Planar Electron Gaps

electron flow occurs with positive voltage values and a dual flow with negative values, ie. the electrons return to the grid in the latter case. The impedance formulas of F.B. Levellin may be used for explaining the results obtained for a single electron flow. When reducing the positive anode voltage, the electron transit angle increases from values close to zero to very great values, which are defined as the density of the space charge and as the distribution of the potential in the gap. With small transit angles ($\theta < \pi$), the reactance induced by the space charge has an inductive character, it is equal to zero when $\theta = \pi$, and it has a capacitive character when $\theta > \pi$. The very considerable changes of the induced reactances with small positive and negative anode voltages are caused by essential changes of the electron transit time. The high-frequency amplitude becomes commensurable with the constant voltages applied. The electrons do not arrive at the anode and two electron flows

Card 3/6

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66318
SOV/162-59-1-12/27

The Reactive Properties of Planar Electron Gaps

exist in the gap, if the negative anode voltage is higher than the voltage at the grid. With a further increase of the negative anode voltage, the electron transit angle will approach zero. The reactance of an electron gap has a capacitive character, if there are two electron flows and small transit angles; its value rises with an increase in the transit angle. The author investigated resonators whose capacitive part was formed by the grid-anode gaps of GI-11B and GI-12B metalloceramic triodes. The experiments showed that the character of the changes of the natural frequency and the Q-factor of a resonator are in qualitative agreement with calculated and measures values, depending upon the conditions in the gap. The author concludes that, with certain conditions in the electron gap (transit angles), the losses are small which are inserted by a space charge, while comparatively great reactances are inserted. The sign of the inserted reactance may be positive or negative, depending

Card 4/6

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66318

SOV/162-59-1-12/27

The Reactive Properties of Planar Electron Gaps

upon the chosen electron flow conditions. The value of the inserted reactance may be controlled by changing the density of the electron flow entering the grid-anode gap, ie. by changing the voltage between the grid and the cathode. These properties of the impedance characteristics of the electron gap were used for controlling the frequency of a self-oscillator. One of the methods of connecting the grid-anode gap of a triode to the oscillatory circuit of the self-oscillator is shown in Fig 3. This design is obviously not the best one, but it is simple and convenient for the 180-600 Mc range. The investigation of the oscillator showed that the electron gap does not cause any losses in the oscillatory circuit. The modulation characteristics are linear as shown in a graph in Fig 4. Concluding, the author states that the aforementioned method of electronic retuning of the frequency may be used for controlling the frequency of wideband oscillators in the decimeter wave range. There are 1

Card 5/6

4

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

ACC NR: AP6026938 SOURCE CODE: UR/0141/66/009/004/0786/0793

27
B

AUTHOR: Afanasov, S. G.; Shmelev, A. A.

ORG: Gor'kiy State University (Gor'kovskiy gosudarstvennyy universitet)

TITLE: Possibility of obtaining negative resistance in triodes with a control electrode behind the cathode

SOURCE: IVUZ. Radiofizika, V. 9, no. 4, 1966, 786-793

TOPIC TAGS: triode tube, electron tube grid, electrode negative resistance, volt ampere characteristic, ~~conformal mapping~~

ABSTRACT: The authors discuss tubes in which the control electrode (called "grid" in analogy with an ordinary vacuum tube) in the anode are located on opposite sides of the cathode, and calculate the currents flowing in the grid and in the anode circuits when a cathode of small radius is used. The volt-ampere characteristics of such a tube are calculated for different emissivities of the side of the cathode facing the grid, and it is shown that if this emissivity is small, such a system can have a static decrease in characteristic, wherein an increase in current accompanies a decrease in voltage, thus producing a negative-resistance device. The calculations are carried out by first conformally mapping the section through the tube and determining the potential distribution corresponding to the charge in the system. It is shown that the potential distribution is the same as for an equivalent asymmetrical diode, and the total current in the system is obtained by reducing the equivalent diode to

Card 1/2 UDC: 621.385.399: 537.533.2

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AUTHOR: Afanasov, S.M.

"Electronic Retuning of Frequency of Cavity Resonators by the Reactive Diode Method,"
A-U Sci Conf dedicated to "Radio Day," Moscow, 20-25 May 1957.

PERIODICAL: Radiotekhnika i Elektronika, Vol. 2, No. 9, pp. 1221-1224, 1957, (USSR)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANASOV, S.N.

AID P - 3884

Subject : USSR/Power Eng.

Card 1/1 Pub. 110-a - 5/17

Author : Afanasov, S. N., Eng., All-Union Heat Engineering Inst.

Title : On dynamic properties of pulverized fuel-fired systems

Periodical : Teploenergetika, 11, 23-26, N 1955

Abstract : The authors discuss the operation and automatic control of coal mills. The importance of regular supply of air during the grinding process is emphasized and the relation between the quantity of coal and the volume of pulverized fuel explained. Six figures.

Institution : None

Submitted : No date

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

E.K., inzh.; KUZNETSOV, B.A., inzh.

New circuit for the control of combustion in drum boilers with shaft mills. Teploenergetika 7 no.10:57-63 O '60. (MIRA 14:9)

1. Vsesoyuznyy teplotekhnicheskiy institut i Teploelektrotsentral' Mosenergo.
(Boilers--Furnaces) (Automatic control)

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANASOV, V.F.

Afanasov, V.F. "The reconstruction of aferroconcrete products factory," Stroit, prom-st', 1948, No. 12, p. 7-9

SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANASOV, V. F. Cand Tech Sci

Dissertation: "Methodology of Compiling the Calendar Schedules for Continuous Construction of Low Buildings."

20/10/50

Moscow Engineering Economics Inst imeni Sergo Ordzhonikidze.

SO Vecheryaya Moskva
Sum 71

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANASOV, V.F.

25(5);30(5) PHASE I BOOK EXPLOITATION SOV/2935

Moscow. Inzhenerno-ekonomicheskiy institut imeni Sergo Ordzhonikidze

Voprosy povysheniya ekonomicheskoy effektivnosti kapital'nykh vlozheniy za schet ulushcheniya ekonomiki i organizatsii stroitel'nogo proizvodstva, a takzhe stroitel'nogo proyektirovaniya (Problems of Increasing Economic Benefits of Capital Investments by Improving the Economy and Organization of Construction Work and Planning) Moscow, Gosstroyizdat, 1959. 673 p. (Series: Its: Trudy, vyp. 14) Errata slip inserted. 2,000 copies printed.

Additional Sponsoring Agencies: USSR. Gosudarstvennyy komitet po delam stroitel'stva. Otdel ekonomiki stroitel'stva, Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skiy institut ekonomiki stroitel'stva, and Nauchno-tekhnicheskoye obshchestvo stroitel'noy promyshlennosti SSSR. Sekciya ekonomiki i organizatsii.

Eds.: B. I. Bukshteyn, G. A. Dovzhik, A. S. Ginzburg, S. A. Yefremov, I. A. Khatunovich, A. G. Rotshteyn, V. V. Uspenskiy, N. A. Maslov, V. N. Shafranskiy, and A. N. Shkinev; Tech. Ed.: P. G. Gilenson; Editorial Board of the Institute: O. V. Kozlova (Resp. Ed.) Docent; Ye. I. Varenik, Professor, V. I. Veyts, Professor, S. P. Vostrokhutov, Professor, V. G. Davidovich, Professor, N. I. Dunayevskiy, Professor, S. P. Zhebrovskiy, Professor, S. Ya. Karmazin, Professor, P. V. Kaniovskiy, Professor, N. N. Sekrasov, Professor, L. I. Onishchik, Professor, N. Ye. Pestov, Professor, L. N. Roytburd, Professor, E. A. Satel', Professor, G. V. Teplov, Professor, B. A. Teleshev, Professor; Editorial Commission of this volume: V. F. Girovskiy (Chairman) Docent, Ye. I. Varenik, Professor, M. S. Gurevich, I. Ya. Ivanin, Docent, S. N. Reynin, Candidate of Technical Sciences.

PURPOSE: This collection of articles is intended for staff members of construction organizations, design bureaus, and scientific research establishments as well as for faculty members and students of institutions of higher education.

COVERAGE: This collection of reports on construction problems was originally presented and discussed at a scientific-technical conference held in Moscow in February 1958 under the auspices of the Moscow Engineering and Economic Institute and other government and scientific organizations. Possibilities of increasing economic benefits from capital investments by improving methods of organizing and planning construction projects are reviewed. Results of efforts by construction and design organizations to reduce the costs of construction and building operations, to introduce economic accountability and planning in lower level construction units, to increase the productivity of labor, and to boost work and planning efficiency are analyzed. Problems in preparing estimates, making financial forecasts, and financing construction projects are discussed. No references are given.

Krivosheyev, A. K. The Scientific Methodology of Standardized Planning 240

Boruk, V. S. Experience Gained in Designing and Using Combined Roofing and Large Wall Panels in the Building of Residential Houses 243

Syrtsova, Ye. D. Practicability of Some Measures Tending to Increase Labor Productivity in Building 256

Pushkarev, V. V. Speed at Which a Residential House Can Be Erected by Carrying Out Uninterrupted Operations, and the Costs of Construction and Building Operations 269

Klindukh, A. M. Determining the Number of Closed-in Buildings During Continuous Construction of Residential Houses 283

Afanasov, V. F. The Radical Change and Improvement in Planning Construction Methods to Be Used During the Construction Stage 295

Sarchenkova, M. I. Principal Ways of Creating a Proper Organization for Manufacturing Prefabricated Reinforced Concrete Structures and Their Parts 308

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANASOV, V.F., kand.tekhn.nauk

Fundamental changes and improvements of methods for planning building technology and operations. Trudy MIEI no.14:295-307 '59. (MIRA 13:1)

1. Voronezhskiy inzhenerno-stroitel'nyy institut.
(Building--Contracts and specifications)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

KASHIRIN, Nikolay Vasil'yevich, kand. ekon. nauk; AFANASOV, Vasiliy Fedorovich, kand. tekhn. nauk, otv. red.

[Standardization of the consumption of materials and power resources in construction]Normirovanie raskhoda materialov i energoresursov v stroitel'stve; uchebnoe posobie. Moskva, 1962. 130 p. (MIRA 16:2)

1. Moscow. Inzhenerno-ekonomicheskiy institut.
(Construction industry)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

YEMEL'YANENKO, G.A.; AFANASENKO, V.I.

Effect of the temperature on the electrodeposition of chromium. Zhur. fiz. khim. 39 no.4:850-854 Ap '65. (MIRA 19:1)

1. Dnepropetrovskiy gosudarstvennyy universitet. Submitted July 1, 1963.

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANASOV, V. N.

"Construction of Ground Packing in Concrete Sluices," Gidrotekh. Stroi., No. 8, 1949.

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANASOV, V. N.

"Failure of gates at lower Svir' Hydroelectric Power Plant Svirstroy, Gidrotekhnicheskoye Stroitel'stvo, No. 8, 1949 (Moscow)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

1. AFANASOV, V. N., Eng.

2. USSR (600)

4. Locks (Hydraulic Engineering)

7. Results of a lock inspection, Gidr. stroi, 22, no. 2, 1953.

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

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANASOV, Vasiliy Nikolayevich

AFANASOV, Vasiliy Nikolayevich; ILINSKIY, V.A., redaktor; VOLCHOK, K.M., [redacted]

[Electrically operated concrete sluice gates] Opyt ekspluatatsii elektrifitsirovannykh betonnykh shliuzov. Leningrad, Izd-vo "Rechnoi transport," 1954. 68 p. (MLRA 8:4)
(Sluice gates)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANASOV, Vasiliy Nikolayevich; FREYBURG, Tat'yana Yevgen'yevna; IL'INSKIY, V.A., redaktor; VOLCHOK, K.M., tekhnicheskiy redaktor

[Manual for a lockman] Posobie dlia sudopropusknikov. Leningrad, Izd-vo "Rechnoi transport" Leningradskoe otd-nie, 1955. 135 p. (Inland navigation) (Sluice gates) (MLRA 8:7)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANASOV, Vasiliy Nikolayevich; SEMENOV, Petr Ivanovich; FREYBURG, Tat'yana Yevgen'yevna; KANIOVSKIY, Boris Sergeyevich; ILINSKIY, V.A., red.; VOLCHOK, K.M., tekhn.red.

[Locks for waterways and ports] Sliuzovannye vodnye puti i porty. Leningrad, Izd-vo "Rechnoi transport," Leningr.otd-nie, 1957. 384 p. (MIRA 11:1)

(Locks (Hydraulic engineering))

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANASOV, V., inzh.

"Hydraulics" by N.L. Grigor'ev. Reviewed by V.Afanasov. Rech. transp. 19 no. 2:3 of cover F '60. (MIRA 14:5)
(Hydraulics) (Grigor'ev, N.L.)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, A.

Give youth an all-around physical and defense training. Voen. znan. 38 no.2:16-17 F '62. (MIRA 15:2)

1. Instruktor otdela sportivnoy i oboronno-massovoy raboty TSentral'nogo komiteta Vsesoyuznogo Leninskogo kommunisticheskogo soyuza molodezhi.
(Physical education and training)

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AFANAS'YEV, A., inzh.; RYABAKOV, A., inzh.; SMIRNOV, A., knad.tekhn.nauk; TOMLYANOVICH, D., knad.tekhn.nauk.

Streetcars should have pole current collectors. Zhil-komm. khoz. 13 no.2:16-17 '63. (MIRA 16:3)

(Streetcars—Electric equipment)

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AFANAS'YEV, A.

Editorial: Sea port operations should be improved. Mor.flot 15 no.6:1-3 Je '55. (MLRA 8:8)

1. Chlen Kollegii Ministerstva morskogo flota, nachal'nik Upravleniya portovogo khozyaystva i mekhanizatsii.
(Harbors) (Shipping)

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BARDIN, I.P., akademik, glavnyy red.; KORT, V.G., prof., otvetstvennyy red. vypuska; AFANAS'YEV, A.A., red.; BAKAYEV, V.G., red.; BURKHANOV, V.F., red.; ZOLOTUKHIN, A.A., red.; SOMOV, M.M., red.; FROLOV, V.V., red.; SHCHERBAKOV, D.I., akademik, red.; MIRONENKO, Z.I., red.; BRAYNINA, M.I., tekhn.red.

[Hydrological, hydrochemical, geological, and biological studies on the diesel-electric research ship "Ob", 1955-1956] Gidrologicheskie, gidrokhimicheskie, geologicheskie i biologicheskie issledovaniia; dizel'-elektrokhod "Ob'," 1955-1956 gg. (MIRA 12:2)

1. Akademiya nauk SSSR. 2. Zamestitel' nachal'nika Kompleksnoy antarkticheskoy ekspeditsii Akademii nauk SSSR; nachal'nik 1-go reysa morskoy chasti kompleksnoy antarkticheskoy ekspeditsii Akademii nauk SSSR (for Kort). 3. Nachal'nik Gidrograficheskogo upravleniya Glavsevmorputi Ministerstva morskogo flota SSSR (for Afanas'yev). 4. Ministr Morskogo flota SSSR (for Bakayev). 5. Zamestitel' nachal'nika Gidrograficheskogo upravleniya Glavsevmorputi Ministerstva morskogo flota SSSR (for Burkhanov). 6. Nachal'nik Glavnogo upravleniya Gidrometeorologicheskoy sluzhby SSSR (for Zolotukhin). 7. Nachal'nik Kompleksnoy antarkticheskoy ekspeditsii Akademii nauk SSSR (for Somov). 8. Direktor Arkticheskogo nauchno-issledovatel'nogo instituta Gidrograficheskogo upravleniya Glavsevmorputi (for Frolov).

(Antarctic regions)

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AFANAS'YEV, A.

Sea ports during the sixth five-year plan. Mor.flot 16 no.5:1-4 My '56. (MLRA 9:8)

1. Zamestitel' ministra morskogo flota.
(Harbors)

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AFANAS'YEV, A.

Put new ship-handling techniques at the service of the merchant marine. Mor. flot 17 no.4:1-3 Ap '57. (MLRA 10:4)

1. Zamestitel' ministra morskogo flota.
(Ship handling) (Merchant marine)

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BARDIN, I.P., akademik, glavnyy red.; KORT, V.G., prof., otv.red.; AFANAS'YEV, A.A., red.; BAKAYEV, V.G., red.; BURKHANOV, V.F., red.; ZOLOTUKHIN, A.A., red.; SOMOV, M.M., red.; FROLOV, V.V., red.; SHCHERBAKOV, D.I., red.; SPRYGINA, L.I., red. izd-va; SHOKHET, B.S., red. izd-va; KASHINA, P.S., tekhn.red.

[Description of the expedition on board the diesel ship "Ob,", 1955-1956] Opisanie ekspeditsii na dizel'-elektrokhode "Ob',"" 1955-1956 gg. Moskva, 1958. 237 p. (MIRA 12:1)

1. AN SSSR. 2. Nachal'nik I reysa morskoy antarkticheskoy ekspeditsii AN SSSR (for Kort). 3. Nachal'nik Glavsevmorputi Ministerstva morskogo flota SSSR (for Afanas'yev). 4. Ministr morskogo flota SSSR (for Bakayev). 5. Zamestitel' nachal'nika Glavsevmorputi (for Burkhanov) 6. Nachal'nik Glavnogo upravleniya Gidrometslushby (for Zolotukhin). 7. Nachal'nik Kompleksnoy antarkticheskoy ekspeditsii (for Somov). 8. Direktor Arkticheskogo n.-i. instituta Gidrograficheskogo upravleniya Glavsevmorputi (for Frolov). 9. Predsedatel' Soveta po antarkticheskim issledovaniyam AN SSSR (for Shcherbakov).
(Antarctic regions)

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BARDIN, I.P., akademik, glavnyy red.; KORT, V.G., otv.red.vypuska; AFANAS'YEV, A.A., red.; BAKAYEV, V.G., red.; BURKHANOV, V.F., red.; ZOLOTUKHIN, A.A., red.; SOMOV, M.M., red.; FROLOV, V.V., red.; SHCHERBAKOV, D.I., akademik, red.; MIRONENKO, Z.I., red.; BRAYNINA, M.I., tekhn.red.

[Aerological and meteorological studies of the diesel electric ship "Ob'," 1955-1956] Aerologicheskie i meteorologicheskie issledovaniia; dizel'-elektrokhod "Ob'," 1955-1956 gg. Leningrad, Gidrometeorologicheskoe izd-vo, 1958. 216 p. (MIRA 12:6)

1. Morskaya antarkticheskaya ekspeditsiya na dizel'-elektrokhode "Ob'," 1955-1956. 2. Zamestitel' nachal'nika Kompleksnoy antarkticheskoy ekspeditsii Akademii nauk SSSR (for Kort). 3. Nachal'nik Glavnogo upravleniya Severnogo Morskogo Puti Ministerstva morskogo flota (for Afanas'yev). 4. Ministr Morskogo flota (for Bakayev). 5. Zamestitel' nachal'nika Glavnogo upravleniya Severnogo Morskogo Puti Ministerstva morskogo flota (for Burkhanov). 6. Nachal'nik Glavnogo upravleniya Gidrometeorologicheskoy sluzhby SSSR (for Zolotukhin). 7. Nachal'nik Kompleksnoy antarkticheskoy ekspeditsii Akademii nauk SSSR (for Somov). 8. Direktor Arkticheskogo nauchno-issledovatel'skogo instituta Glavnogo upravleniya Severnogo Morskogo Puti (for Frolov).

(Antarctic regions--Meteorology--Observations)

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AFANAS'YEV, A.

Great Arctic route. Mor.flot 22 no.12:1-3 D '62. (MIRA 15:12)

1. Chlen Kollegii Ministerstva morskogo flota, nachal'nik Glavnogo upravleniya Severnogo morskogo puti.
(Arctic regions)

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AM5003784 BOOK EXPLOITATION S/

Afanas'yev, Anatoliy Alekseyevich; Gorbunov, Valeriy Aleksandrovich (Candidate of Naval Sciences)

Effectiveness of target detection by radio reconnaisance means (Effektivnost' obnaruzheniya tseley radiotekhnicheskimi sredstvami nablyudeniya) Moscow, Voyenizdat M-va Oborony SSSR, 19[illegible]. [illegible] Errata slip inserted. 7500 copies printed. Editor: [illegible] Technical editor: Zudina, M. P.; Proofreader: Uzlova, L. M.

TOPIC TAGS: detection system, optical detection, radio reconnaisance, target detection

PURPOSE AND COVERAGE: This book was written for army and navy officers, academy and college students, and specialists in civil aviation, the navy, and the merchant marine, as well as for those connected with the application and development of radio-engineering and optical means of reconnaisance and concerned with investigation of the effectiveness of these means. The general theoretical bases and methods of quantitative evaluation of the effectiveness of technical means of

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reconnaisance in solving the problem of search for and detection of targets are presented in the book, and methods of determining the required quantitative characteristics of the reconnaisance capability of target-detection means under different conditions of search are analysed.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANASIYEV, A.A.

Method for interpreting temperature anomalies in producing zones of gas wells. Neftegaz. geol. i geofiz. no.4:41-44 '65. (MIRA 18:7)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut neftekhimicheskoy i gazovoy promyshlennosti im. akad. Gubkina.

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AFANAS'YEV, Anatoliy Aleksandrovich; BYSTROV, F.P., doktor ekonom. nauk, ~~prof., otv. red.; POGODIN~~, Yu., red.; LEBEDEV, L., tekhn. red.

[The gold mining industry of capitalist countries; an economic survey]Zolotodobyvaiushchaia promyshlennost' kapitalisticheskikh stran; ekonomicheskii obzor. Moskva, Gosfinizdat, 1963. 61 p. (MIRA 16:3)

(Gold mines and mining)

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AFANAS'YEV, A.A.

Method of calibrating reinforced concrete tanks. Neft.khoz. 39 no.8:57-60 Ag '61. (MIRA 14:7)
(Tanks) (Reinforced concrete construction)

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AFANAS'YEV, A.

30

Water dispersions of synthetic rubber. A. Afanas'ev and P. Kaman. *J. Rubber Ind.* (U. S. S. R.) 10,16, (65) 70.—Two mixts.: (1) natural rubber 67, synthetic rubber 33, oleic acid 12, dextrin 10, kaolin 30, NaOH 1.5, and (2) synthetic rubber 100, oleic acid 18, kaolin 30, dextrin 18, NaOH 2, were dispersed. The natural rubber was milled at 30-35° for 20 min., following which were added oleic acid (to prevent the explosion of Na), synthetic rubber and the remaining ingredients except NaOH. At the end, 0.5 of the NaOH was added very gradually. The mass was mixed in a Werner-Pfleiderer mixer (preheated to 35-50°), vulcanizing agents and the remaining NaOH soln. were added very gradually until a change of phase took place, and the mass was dild. with water to the required concn. Addn. of 10% dry casein improved considerably the quality of the dispersion. The dispersion kept for 2 weeks; in hot weather a small proportion of phenol was added. Eight references. A. Pestoff

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, A.

30

Solutions and dispersions of synthetic and natural rubber in the manufacture of leather substitutes. A. Afanas'ev and A. Braslavskii. *J. Rubber Ind.* (U. S. S. R.) 1936, No. 10, 1100-1.
A. Pestoff

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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AFANAS'IEV, A.

Prices

Influences of changes in net price and profit on index of goods turnover. Bukhg. uchet, No.1, 1952

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

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AFANAS'YEV, A. A.: TOLOCHKO, V.I.

Boots and Shoes

Reduction of waste in making the lower parts of footwear, Leg. prom. No. 1, 1952.

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

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AFANAS'YEV, A.A.

Leather

First domestic investigations of the physical and mechanical properties of leather, Leg. prom. 12 No. 4, 1952

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

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AFANAS'YEV, A. A.

"Checking the Quality of Half-Finished Footwear," Leg. Prom., 12, No.5, 1952

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, A. A.

"Unit of Measurement for Stiff Hides," Leg. Prom., 12, No.6, 1952

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, A.A., ZVYAGIN, B.K.

Shoe Industry

Planning shoe factories. Leg.prom. 12, no. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, NOVEMBER 1952 ~~1953~~, Uncl.

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1. AFANAS'YEV, A. A., Docent : TOLOCHKO, V. I. Eng.

2. USSR (600)

4. Caprone

7. Use of caprone thread for sewing leather goods and footwear. Leg. prom. 12 no. 10 1952

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

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1. AFANAS'YEV, A. A.; SKVARIK, V. P., Eng.; GUMENNYY, N. A., Eng.

2. USSR (600)

4. Shoe Industry

7. Accuracy of shoe parts, Leg. prom., 12, No. 11, 1952.

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

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IVANOV, B.Ya., inzhener; AFANAS'YEV, A., kandidat tekhnicheskikh nauk.

"Standardizing the consumption of basic materials." M.L.Shustorovich, P.S.Zaitseva. Reviewed by B.IA.Ivanov, A.Afanas'ev. Leg.prom.14 no.3: 50-54 Mr '54. (MLRA 7:5)
(Shoe industry) (Shustorovich, M.L.) (Zaitseva, P.S.)

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AFANAS'YEV, A.A., dotsent; POTASHIN, N.G., inzhener.

Measuring shoe models with PP-2K planimeters. Leg.prom. 14 no.8: 28-30 Ag '54. (MLRA 7:8)
(Boots and shoes)

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AFANAS'YEV, A.A., dotsent.

Methods of estimating sizes in sample shoes. Leg.prom. 14 no.12:37-39 D '54. (MLRA 8:2)
(Shoe industry)

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AFANAS'YEV, A.A., dotsent; ROSLIK, G. I., inzhener.

Exactitude in duplicating models in mass production. Leg. prom. 15 no.4:45-46 Ap '55. (MIRA 8:7)
(Shoe industry--Standards)

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AFANAS'YEV, A.A., dotsent; POTASHIN, N.G., inzhener.

Thickness gauge for footwear parts. Leg. prom. 16 no.7: 40-42 Jl '56. (MLRA 9:10)

(Shoe industry) (Gauges)

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AFANAS'YEV, A.A.

OSTROVITYANOV, Emiliy Mikhaylovich; IVANOV, Boris Yakovlevich; AFANAS'YEV, A.A., retsenzent; ZASLAVSKIY, M.A., retsenzent; SHVETSOVA, T.P., retsenzent; TSVAYGENBAUM, B.M., retsenzent; MELIKSET'YAN, M.A., retsenzent; MINAYEVA, T.M., redaktor; POPOVA, T.G., tekhnicheskiy redaktor

[Technology of footwear; assembling uppers, molding, sewing and finishing processes] Tekhnologiia obuvi; sborka zagotovok, formovochnye, poshivochnye i otdelochnye protsessy. Moskva, Gos. nauchno-tekhn. izd-vo M-va legkoi promyshl. SSSR, 1956. 391 p. (MLRA 10:5)

(Shoe industry)

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AFANAS'YEV, A., dotsent.

Techniques and technology of the footwear industry in the United States. Leg.prom. 16 no.4:53-56 Ap '56. (MLRA 9:8)
(United States--Shoe industry)

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AFANAS'YEV, A.A., dotsent; ROSLIK, G.I., inzhener.

Calculating the design length of a shoe model upper. Leg.prom. 17 no.4:42-44 Ap '57. (MIRA 10:4)
(Shoe industry)

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AFANAS'YEV, A.A., kand.tekhn.nauk.

Development of the shoe industry in the U.S.S.R. Izv. vys.ucheb. zav.; tekh.leg. prom. no.2:56-66 '58. (MIRA 11:6)

1.Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti.
(Shoe manufacture)

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ROSLIK, G.I., inzh.; AFANAS'YEV, A.A., dots., kand.tekhn.nauk

Calculation and analysis of model sizes of footwear made by single-process forming. Izv.vys.ucheb.zav.; tekh.leg.prom. no.5:83-89 '58. (MIRA 12:2)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti. (Shoe manufacture)

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AFANAS'YEV, A.

Why have we forgotten about vegetables tanning agents? Prom. koop. 12 no.9:32 S '58. (MIRA 11:10)

1.Nachal'nik otdela bytovogo obsluzhivaniya Mariyskogo promsoveta, g.Yoshkar-Ola.

(Tanning materials)

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AFANAS'YEV, A.A.; KUCHERENKO, A.G.; TOLOCHKO, V.I.

Stretching and stresses occurring during internal shaping of footwear. Leg.prom. 18 no.7:44-47 Jl '58. (MIRA 11:9)
(Shoe manufacture)

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AFANAS'YEV, Aleksandr Afanas'yevich

[Tolerances and technical control in the manufacture of shoes] Dopuski i tekhnicheskii kontrol' v obuvnom proizvodstve. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po legkoi promyshl., 1959. 287 p. (MIRA 13:12)

(Boots and shoes--Standards)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, A.A., kand.tekhn.nauk, dotsent; CHOBIT'KO, M.I., inzh.

Investigating the effectiveness of the simultaneous clicking of leather materials for shoe uppers and linings. Izv. vys. ucheb. zav.; tekh. leg. prom. no. 1:97-106 '60. (MIRA 14:5)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti. Rekomendovana kafedroy tekhnologii obuvnogo proizvodstva.
(Shoe manufacture)

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AFANAS'YEV, A.A., kand.tekh.nauk, dotsent

Methods for design and dimension calculations for footwear sole parts. Izv.vys.ucheb. zav.; tekh. leg. prom. no.2:82-96 '60. (MIRA 13:11)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti. Rekomendovana kafedroy tekhnologii obuvnogo proizvodstva.
(Shoe manufacture)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, A.A., kand.tekhn.nauk, dotsent

Slipper manufacture methods in England. Izv.vys.ucheb.zav.; tekh.leg.prom. no.4:149-156 '60. (MIRA 13:10)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti.
(Great Britain--Shoe manufacture)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

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ROSLIK, G.I., inzh.; AFANAS'IEV, A.A., kand.tekhn.nauk, dotsent

Deformation shoe uppers of a standard design. Izv.vys.ucheb.zav.; tekh.leg.prom. no.5:70-79 '60. (MIRA 13:11)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti. Rekomendovana kafedroy tekhnologii obuvnogo proizvodstva.
(Shoe manufacture) (Strength of materials)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

PEYSAKHZON, L.B., kand.ekonocheskikh nauk, dotsent; ALEKSEYEVA, L.L., kand. tekhn.nauk; MESEZHNIKOV, G.Sh., kand.ekon.nauk; BARANOV, V.F., inzh.; AFANAS'YEV, A.A., kand.tekhn.nauk, dotsent

Some potentialities for better use of time and equipment in cutting artificial leather in footwear enterprises. Izv.vys.ucheb.zav.; tekh.leg.prom. no.6:16-21 '60. (MIRA 14:1)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti. Rekomendovana kafedroy ekonomiki promyshlennosti i organizatsii proizvodstva.

(Shoe industry) (Leather, Artificial)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, A.A., kand.tekhn.nauk, dotsent

Basic trends in the automatization of shoe material cutting. Report No.1. Izv.vys.ucheb.zav.; tekh.leg.prom. no.2:33-43 '61. (MIRA 14:5)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti. Rekomendovana kafedroy tekhnologii obuvnogo proizvodstva.
(Shoe manufacture) (Automatic control)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, A.A., kand.tekhn.nauk, dotsent; TOLOCHKO, V.I., kand.tekhn.nauk

Using the stamping method for clicking shoe materials. Report No.1: Studying the deformation of the material and developing the technological parameters for stamping. Izv.vys.ucheb.zav.; tekh.leg. prom. no.3:110-115 '61. (MIRA 14:7)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti. Rekomendovana kafedroy tekhnologii obuvnogo proizvodstvza.
(Shoe manufacture)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, A.A.; SLUTSKIY, S.B.; TOLOCHKO, V.I.; Prinimali uchastiye: KRASNOPOL'SKIY, G.G., inzh.; TARATINSKIY, M.G., inzh.; TEPLITSKAYA, K.O., inzh.

Using pig insole leather for sock lining of Russian leather footwear. Kozh.-obuv.prom. 3 no.7:18-21 Jl '61. (MIRA 14:9)
(Shoe manufacture) (Leather)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, Aleksandr Afanas'yevich; RABINOVICH, Yakov Mikhaylovich; VINOGRADOV, V.K., retsenzent; LIOKUMOVICH, Kh.Kh., kand. tekhn. nauk, retsenzent; NOVOKHATSKIY, K.I., nauchnyy red.[deceased]; MINAYEVA, T.M., red.; TRISHINA, L.A., tekhn. red.

[Safety engineering in shoe manufacture]Tekhnika bezopasnosti v obuvnom proizvodstve. Moskva, Rostekhizdat, 1962. 225 p. (MIRA 16:2)

(Shoe industry--Safety measures)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, A.A., kand.tekhn.nauk, dotsent; TOLOCHKO, V.I., kand.tekhn.nauk

Use of clicking presses for cutting shoe materials. Report No.2: Resistance of materials to cutting (clicking). Izv.vys.ucheb.zav.; tekh.lek.prom. 3:83-89 '62. (MIRA 15:6)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti. Rekomendovana kafedroy tekhnologii obuvnogo proizvodstva.
(Shoe manufacture--Equipment and supplies)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

KUL'CHITSKIY, S. I., inzh.; AFANAS'YEV, A. A., kand. tekhn. nauk, dotsent

Classification of the wastes in cutting and some problems of the utilization of materials for the manufacture of footwear. Izv. vys. ucheb. zav.; tekh. leg. prom. no.4:87-94 '62. (MIRA 15:10)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti. Rekomendovana kafedroy tekhnologii obuvnogo proizvodstva.

(Shoe manufacture)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

ARBUZOV, G.A., prof., doktor tekhn. nauk; AFANAS'YEV, A.A., dots., kand. tekhn. nauk; YEGOROVA, Ye.A.; KARZINKINA, K.D.; KARPOVA, A.A.; MURVANIDZE, E.M.; MIKHAYLOV, A.N., prof., doktor tekhn. nauk, red.; KACHKO, I.L., inzh., red.; KRASNOBRODSKAYA, L.L., red.; YURCHENKO, D.I., red.; MIKHLIN, E.I., tekhn. red.

[English-Russian leather and footwear dictionary] Anglo-russkii kozhevenno-obuvnoi slovar'. Pod obshchei red. A.M.Mikhailova. Moskva, Fizmatgiz, 1963. 402 p. (MIRA 16:7)

(Leather industry--Dictionaries)
(English language--Dictionaries--Russian)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

ZYBIN, Yu.P.; AFANAS'YEV, A.A., dots., retsenzent; ROSLIK, G.I., st. prepod., retsenzent; MINAYEVA, T.M., red.; BATYREVA, G.G., tekhn. red.; PYATNITSKIY, V.N., tekhn. red.

[Construction of leather goods; footwear and its construction] Konstruirovanie izdelii iz kozhi; obuv' i ee konstruirovanie. Moskva, Gizlegprom, 1963. 314 p.
(MIRA 17:1)

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L 8896-66 EWT(1)

ACC NR: AP5027635 SOURCE CODE: UR/0105/65/000/009/0007/0012

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B

AUTHOR: Chilikin, M. G. (Doctor of technical sciences, Professor); Arakelyan, A. K. (Candidate of technical sciences); Afanas'yev, A. A. (Engineer)

ORG: Moscow Power-Engineering Institute (Moskovskiy energeticheskiy institut); The Volga Branch of MEI (Volzhskiy filial MEI)

TITLE: Some potentialities of the commutatorless d-c drive

SOURCE: Elektrichestvo, no. 9, 1965, 7-12

TOPIC TAGS: electric power drive, dc power drive, commutatorless motor

ABSTRACT: A theoretical and experimental investigation of a synchronous motor supplied by d.c. via a d-c/a-c inverter is presented. The inverter designed with thyratrons or semiconductor devices is synchronized with the rotor by means of a rotating emf induced in the stator windings by the rotor field. By setting a

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definite relation (formulas are developed) between the motor mechanical load and the excitation current, static and dynamic stability can be achieved which precludes out-of-step conditions on overloads. Inverter-power and motor mechanical characteristics are shown; they are constructed from experimental data obtained with this motor: 4.5 kw, 127 vac, 15.6 amp, 1500 rpm; stator-winding synchronous leakage reactance, 1 ohm. An electric drive based on the above motor permits providing a two-range continuous speed adjustment within wide limits. The system is recommended for driving mechanisms that require wide-range speed adjustment and large high-speed synchronous motors. Orig. art. has: 5 figures, 45 formulas, and 4 tables.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

BABIY, A.A.; STARSHINOV, B.N.; ONOPRIYENKO, V.P.; NEZHNOV, G.N.; KUSHNAREV, A.P.; KONAREVA, N.V.; Prinimali uchastiye: FLOROV, K.N.; BUDINSKIY, G.M.; VYSOCHIN, I.Ye.; OKOLELOV, A.N.; STRYGIN, V.I.; AFANAS'YEV, A.A.; SAPRONOV, B.V.

Desulfurizing and dephosphorizing cast iron in the ladle. Sbor.trud. UNIIM no.11:90-95 '65. (MIRA 18:11)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

CHILIKIN, M.G., doktor tekhn.nauk, prof.; ARAKELYAN, A.K., kand.tekhn.nauk; AFANAS'YEV, A.A., inzh.

Some features of a collectorless d.c. drive. Elektrichestvo no.9:7-12 S '65. (MIRA 18:10)

1. Moskovskiy energeticheskiy institut i Volzhskiy filial Moskovskogo energeticheskogo instituta.

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

MOGILEVSKIY, A.M.; AFANAS'YEV, A.D.

Automation of manual operations in the orientation and assembly of articles with projections. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 17 no.12:43-44 D '64. (MIRA 18:3)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

PROKOF'YEV, V.V.; AFANAS'YEV, A.F.; PEKHTEREV, N.P.; ASEYEV, V.I., retsenzent

[Descriptive geometry] Nachertatel'naia geometriia. Moskva, Mosk. khimiko-tekhnolog. in-t im. D.I.Mendeleeva, 1963. 169 p. (MIRA 17:5)

APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9"

"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, A.F.; KLESHCHEV, V.A.; KOZLOV, A.I.; KREMENNOY, G.G.; KUTUKOV, A.I.

Sakhalin petroleum. Neft. khoz. 42 no.9/10:84-88 S-O '64. (MIRA 17:12)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AUTHOR: Afanasyev, A.F., Engineer 96-58-2-1/23

TITLE: The Modernisation and Extension of the Electric Power Stations of a Large Metallurgical Works (O modernizatsii i rasshirenii elektrostantsiy krupnogo metallurgicheskogo zavoda)

PERIODICAL: Teploenergetika, 1958, No 2, pp 3 - 7 (USSR)

ABSTRACT: In the past, many industrial power stations were not connected to the general power system and were often fitted with condensing-type turbines instead of using back-pressure or pass-out turbines. It is now necessary to decide what to do with these low-efficiency medium-pressure stations. Modernisation by the super-position on existing sets of super-high-pressure sets is of particular value for metallurgical works which use process steam, compressed air, oxygen and low-grade heat as well as electricity.

This article describes Tsentroenergochermet's proposals for modernising and extending the power stations of a large metallurgical works which is itself being enlarged. The existing works had two installations for forced-air supply, a central electricity station and a heat and electricity station. Modernisation will be by superposed equipment and extension of the existing stations. The works will also be connected through

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96-58 2-1/23

The Modernization and Extension of the Electric Power Stations of a Large Metallurgical Works

a transmission line with the regional power system. The works requires up to 1 200 t/h of process steam at a pressure of 7 - 18 atm. and district heating will call for up to 1 300 Mkcal/h. The proposed methods of reconstruction of the different stations are described in detail and a thermal diagram of the existing and proposed arrangements is given. Condensing turbines will not be installed. The use of "packaged" equipment, full automation and the mechanization of heavy work at the stations will reduce staffing and power costs. The main performance figures of the works' electric power stations before and after modernization and extension are tabulated. Two 50 MW turbines will be installed and most of the works' requirements of electric power will be met. The project for modernization and extension of the Central Power Station is then described in some detail; the schematic circuit diagram of the equipment is shown in Fig.2 and the proposed layout in Fig.3. The winter peak load will be met by running all the turbines except two under back-pressure conditions. The physical lay-out of the plant is discussed. It is based on "packaged" units.

Card2/3 Analysis of the plans shows that with the introduction of high-

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96-58-2-1/23

The Modernization and Extension of the Electric Power Stations of a Large Metallurgical Works

efficiency regional power stations, only those industrial power stations that can be conveniently modernised should be retained. These stations, being connected to the main systems, should always furnish both electricity and process heat. The superposition of super-high-pressure equipment on medium-pressure power stations and the conversion of existing condensing turbines to pass-out operation in winter are effective measures for reducing fuel consumption and power cost.
There are 3 figures and 1 table.

ASSOCIATION: Tsentroenergochermet

AVAILABLE: Library of Congress

Card 3/3

1. Power systems-Revision

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

SOV/96-59-4-5/21

AUTHORS: Afanas'yev, A.F., Engineer and
Kertselli, Yu.L., Engineer

TITLE: On Raising the Efficiency of Existing Industrial Power Stations (K voprosu o povyshenii ekonomichnosti deystvuyushchikh promyshlennykh elektrostantsiy)

PERIODICAL: Teploenergetika, 1959, Nr 4, pp 27-32 (USSR)

ABSTRACT: The subject is discussed in relation to an article by V.N.Yurenev published in Teploenergetika, 1958, Nr 4. The improved thermal efficiency that can result from the use of high initial steam conditions in large turbo-generators is discussed. Conditions are somewhat different in small turbines where the effect on the internal efficiency of the turbine that results from changes in temperature and pressure must be considered. The relationship between the internal efficiency of a turbine and the amount of steam passed through it is plotted graphically in Fig.1. The advantages of superposing on existing stations new sets with high steam conditions are discussed and it is stated that complex modernization of large uneconomic existing power stations burning expensive

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SOV/96-59-4-5/21

On Raising the Efficiency of Existing Industrial Power Stations

fuel is an important measure of fuel economy. The greatest effect is obtained from modernization when superposed turbines are used with the highest possible steam conditions particularly when the existing turbines can be used for heat supply and the existing medium and low pressure boilers can be used as reserve for the industrial steam load, taking the peak of this and of the district heating loads. Although the authors are in general agreement with Yurenev, in the light of the discussion so far they raise objection against a number of particular points made by Yurenev. In particular, they do not like his suggestion to use steam pressures of 35 atm in super-position. Steam conditions of 130 atm and 240 atm, which are not considered in the original article, are to be preferred. Yurenev recommends the use of impaired

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On Raising the Efficiency of Existing Industrial Power Stations

vacuum in the old turbines but these authors prefer to use back pressure wherever possible. There are 4 figures, 2 tables and 4 references of which 3 are Soviet and 1 German.

ASSOCIATION: Promenergoproyekt-Tsentroenergochermet

Card 3/3

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, A.F., insh.

Modernization of large industrial electric power plants. Prom.energ. 14 no.2:16-21 F '59. (MIRA 12:3)

1. Promenergoproyekt. (Electric power plants)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, A.F., inzh.

Data pertaining to some electricity and heat plants during 1956 and 1957. Energokhoz. za rub. no.2:13-16 Mr-Ap '60. (MIRA 13:6)
(Heating from central stations) (Electric power plants)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, A.F., insh.

Small industrial power plants in the Federal Republic of Germany use steam at a temperature of 600° C. Teploenergetika 7 no.5:88-92 My '60. (MIRA 13:8)
(Germany, West--Steam power plants)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, A.F.

Concerning certain trends in the development of industrial and municipal thermal electric power plants in the German Federal Republic. Prom. energ. 15 no.7:51-53 Jl '60. (MIRA 15:1)
(Germany, West—Electric power plants)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, A.F., inzh.

Heating from central stations in the cities of the German Federal Republic. Teploenergetika 8 no.6:86-90 Je '61. (MIRA 14:10)
(Germany, West--Heating from central stations)

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"APPROVED FOR RELEASE: 06/05/2000 CIA-RDP86-00513R000100410006-9

AFANAS'YEV, A.F., inzh.; KERTSELLI, Yu.L., inzh.

Some problems of electric power supply for small and medium capacity industrial enterprises. Teploenergetika 8 no.11:67-72 N '61. (MIRA 14:10)

1. Promenergoproyekt i TSentroenergochermet.
(Heating from central stations)
(Electric power plants)

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