"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

where $\beta = \frac{2\pi}{\lambda}$ is the wave number, $\rho(x) = \frac{1}{2}\frac{d}{dx}\ln Z(x)$ the function of the internal reflections; $Z(x)$ the characteristic wave impedance of the line in section x. If $\bar{\Gamma}^2 \ll 1$ then for the boundary conditions $x = 0;\ \bar{\Gamma} = \bar{\Gamma}_H;\ x = l;\ \bar{\Gamma} = 0$ the following expression is obtained:

$$\bar{\Gamma}_n = \Gamma_n e^{i\varphi_n} = -\int_0^l \rho(x)\, e^{i2\beta x}\, dx. \qquad (5),$$

l denotes the length of the inhomogeneous line section. Using a Fourier transformation with boundary conditions yields

$$-\Gamma_n \cos\varphi_n - i\Gamma_n \sin\varphi_n = \int_0^l \rho(x)\cos 2\beta x\, dx + i\int_0^l \rho(x)\sin 2\beta x\, dx. \qquad (6).$$

If a relative mismatching $\alpha = \frac{\beta-\beta_0}{\beta_0}$ with $\beta_0 = \frac{2\pi}{\lambda_0}$ and λ_0 equal to the wave length which corresponds to the center of the matched range, is introduced and if

$$F_1 = -\Gamma_n \cos\varphi_n;\ F_2 = -\Gamma_n \sin\varphi_n. \qquad (8)$$

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then the following equations are obtained:

and

$$F_1(\alpha) = \int_0^l \rho(x) \cos \frac{4\pi\kappa(1+\alpha)}{l} x dx, \quad (9)$$

$$F_2(\alpha) = \int_0^l \rho(x) \sin \frac{4\pi\kappa(1+\alpha)}{l} x dx. \quad (10)$$

where $l = K\lambda_0$; K is a positive number. A variable is introduced: $n = 4K(1 + \alpha)$. The relative mismatching will fluctuate in the matching range between $-\alpha_{max} \leq \alpha \leq \alpha_{max}$. Certain values of α correspond to integer n. If $\alpha = 0$, $n_o = 4K$. Mismatching $\Delta\alpha$ to the next integer that differs from n_o by one is given as $\Delta\alpha = \frac{1}{4K} = \frac{\lambda_o}{4l}$. The set of integers n in a given matching range is only a function of the transformer length. Substituting n yields:

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Matching of complex resistance...

S/108/61/016/002/004/011
B107/B212

$$F_1(n) = \int_0^l \rho(x) \cos \frac{n\pi}{l} x dx, \quad (14)$$

and

$$F_2(n) = \int_0^l \rho(x) \sin \frac{n\pi}{l} x dx, \quad (15),$$

and for $\rho(x)$

$$\rho(x) = \frac{2}{l} \sum_n \left(X_n \cos \frac{n\pi}{l} x + Y_n \sin \frac{n\pi}{l} x \right) \quad (16).$$

In order to determine the coefficients X_n and Y_n, (16) is substituted into (9) and integrated for fixed values of α. A system of 2 N equations is obtained with unknowns X_n and Y_n. N is the set of integer n in the matching range. For N = 3 is

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$$\left.\begin{aligned}
m_{11}x_1 + m_{12}x_2 + m_{13}x_3 + p_{11}y_1 + p_{12}y_2 + p_{13}y_3 &= a_1\\
m_{21}x_1 + m_{22}x_2 + m_{23}x_3 + p_{21}y_1 + p_{22}y_2 + p_{23}y_3 &= a_2\\
m_{31}x_1 + m_{32}x_2 + m_{33}x_3 + p_{31}y_1 + p_{32}y_2 + p_{33}y_3 &= a_3\\
m_{41}x_1 + m_{42}x_2 + m_{43}x_3 + p_{41}y_1 + p_{42}y_2 + p_{43}y_3 &= b_1\\
m_{51}x_1 + m_{52}x_2 + m_{53}x_3 + p_{51}y_1 + p_{52}y_2 + p_{53}y_3 &= b_2\\
m_{61}x_1 + m_{62}x_2 + m_{63}x_3 + p_{61}y_1 + p_{62}y_2 + p_{63}y_3 &= b_3
\end{aligned}\right\} \quad (17),$$

m and p are numbers which have been obtained by integrating (9) and (10), a_n and b_n are values of the functions $F_1(\alpha)$ and $F_2(\alpha)$. The following simple solution is obtained for even-numbered n $X_n = a_n$, $Y_n = b_n$. Using formula

$$Z(x) = Z(0)\, e^{2\int_0^x \rho(x)\,dx} \quad (18)$$

the characteristic wave impedance of the matching transformer can be calculated. An example is treating the calculation of a matching transformer

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for a 2500-3500 Mc range, it has to be matched with a load with coefficient of standing wave 2.35 and linear phase characteristic, the incidence of the phase is 119°. Table 1 shows the results of this calculation. The calculated values of the coefficient of standing wave at transformer output agree well with experimental data (Fig. 5). There are 5 figures, 1 table, and 6 references: 2 Soviet-bloc and 2 non-Soviet-bloc.

SUBMITTED: August 15, 1959 (initially)
April 5, 1960 (after revision)

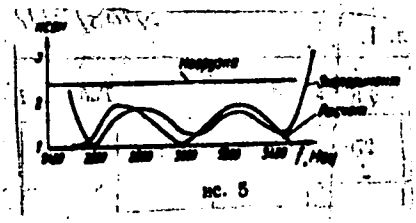

Fig. 5

Legend to Fig. 5:
1) f in Mc; 2) coefficient of standing wave; 3) load; 4) experiment; 5) calculation.

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Table 1

f, Mгц	2500	2600	2700	2800	2900	3000
a	—0,167	—0,133	—0,100	—0,067	—0,033	0
$F_{1p}(a)$	0,398	0,295	0,074	0,076	0,148	0,235
$F_{2p}(a)$	0,042	—0,001	—0,147	—0,268	—0,334	—0,321
$\Delta F_1(a)$	0	0,102	0,306	0,271	0,149	0
$\Delta F_2(a)$	0	0,041	0,023	0,068	0,066	—0,003
$\Gamma_{ex}(a)$	0	0,106	0,307	0,280	0,163	
КСВН	1	1,24	1,89	1,78	1,39	1,01

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B107/B212

Legend to Table 1:
1) f in Mc; 2) coefficient of standing wave.

Продолжение

f, Мгц	3100	3200	3300	3400	3500
F_{1p} (e)	0,033	0,087	0,100	0,133	0,167
F_{2p} (e)	0,273	0,224	0,090	—0,061	—0,156
ΔF_1 (e)	—0,249	—0,150	—0,123	—0,196	—0,370
ΔF_2 (e)	—0,110	—0,141	—0,083	—0,015	0
F_{ex} (e)	—0,117	—0,241	—0,277	—0,197	0,002
ксвн	0,160	0,279	0,289	0,198	0,002
	1,38	1,77	1,81	1,40	1,01

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

L 59481-65 EPF(c)/EWT(m)/EWP(k)/EWA(c)/EWP(b)/T/EWP(v)/EWP(t) Pr-4/Pf-4 DJ/JW/JD/HW

ACCESSION NR: AR5015177 UR/0137/65/000/005/D035/D035

SOURCE: Ref. zh. Metallurgiya, Abs. 5D208

AUTHOR: Kolmogorov, V. L.; Selishchev, K. P.; Orlov, S. I.

TITLE: Drawing of tubes, rods, and wire under conditions of hydrodynamic friction

CITED SOURCE: Tr. Ural'skogo n.-i. in-ta chern. met., v. 3, 1964, 64-81

TOPIC TAGS: drawing, tube, rod, wire, hydrodynamics, friction, hydrodynamic friction, rheological property, lubricant

TRANSLATION: The article presents the results of an industrial test of drawing tubes and wires under conditions of hydrodynamic friction

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Card 1/2

L 59481-65
ACCESSION NR: AR5015177

lowering the energy consumed in drawing by 30%, and eliminating preparation of the metal before drawing. 14 literature titles.
G. Svodtseva.

SUB CODE: IE,MM ENCL: 00

Card 2/2

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

L 42107-65 EPF(c)/EWT(m)/T Pr-4 WE

ACCESSION NR: AT5008634 S/2933/64/007/004/0200/0204

AUTHORS: Gikht, B. M.; Gryazev, N. N.; Karyakin, V. Ya.; Larinov, I. V.; Nyakushina, S. M.; Perfilova, V. P.; Orlov, S. Y.; Shchitikov, V. K.

TITLE: Dependence of adsorptive catalytic desulfurization of diesel fuel on a catalyst surface

SOURCE: AN SSSR. Bashkirskiy filial. Khimiya serasorganicheskikh soyedineniy, soderzhashchikhsya v neftyakh i nefteproduktakh, v. 7, 1964, 200-204

TOPIC TAGS: desulfurization, catalyst, adsorption, diesel fuel, surface active agent, sulfur, hydrocarbon/ silica gel, KSM silica gel

ABSTRACT: The relative activities of various catalytic agents and adsorbents in adsorptive-catalytic purification of diesel fuels from organic sulfur compounds were studied experimentally. The specific adsorption surfaces and their pore sizes were determined by the adsorption isotherms of various hydrocarbons and organic acids. The adsorbent-catalysts were mostly alumosilicates, an alumogel, a silica gel, and bauxite. For synthetic as well as natural alumosilicates, the specific desulfurization rate remained constant. The specific activity of bauxite was high, but that of the alumogel and the silica gel were low. It was shown that

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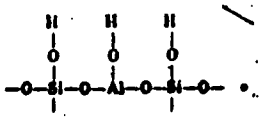
ACCESSION NR: AT5008634

the major role played by the alumosilicate catalysts in diesel fuel desulfurization could be attributed to the complex



During desulfurization, coke and other organic sulfur compounds were deposited on the surface of the catalyst and reduced the effective catalytic area. This requires special regeneration of the contaminated surfaces. Orig. art. has: 2 tables, 1 figure, and 1 formula.

ASSOCIATION: Saratovskiy politekhnicheskiy institut, Saratovskiy neftepererabatyvayushchiy zavod im. S. M. Kirova (Saratov Polytechnic Institute, Saratov Petroleum Refining Plant)

SUBMITTED: 00 ENCL: 00 SUB CODE: 00, FP

NO REF SOV: 013 OTHER: 000

Card 2/2 CC

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, Sergey Il'ich, kand. tekhn. nauk; POLUBNEVA, V.I., inzh., red.

[Monolithic electric wiring] Zamonolichennye elektroprovodki. Moskva, Stroiizdat, 1964. 29 p. (MIRA 18:5)

1. Glavnyy inzhener i rukovoditel' elektrotekhnicheskoy laboratorii Moskovskogo instituta tipovogo i eksperimental'nogo proyektirovaniya (for Orlov).

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

L 11828-66 EWT(1)/EWA(h)

ACC NR: AP6002518 SOURCE CODE: UR/0286/65/000/023/0025/0026

AUTHOR: Orlov, S. I.

ORG: none

TITLE: Coaxial resonator. Class 21, No. 176610

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 25-26

TOPIC TAGS: resonator, coaxial resonator, capacitor, transformer, electron tube

ABSTRACT: A coaxial resonator with a tuner in the form of a variable capacitor is introduced. To increase the tuning range of the resonator, shown in the accompanying figure, both the movable and the fixed plates of the capacitor are placed perpendicularly to the resonator axis at a distance from its short-circuited end of less than one fourth of the maximum wavelength. The fixed plates are rigidly mounted on one of the resonator tubes (either inner or outer) and the movable

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L 11828-66

ACC NR: AP6002518

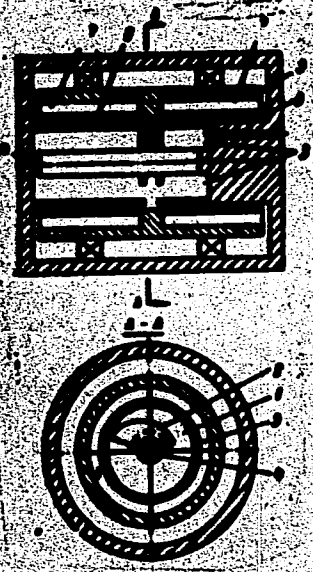

Fig. 1. Coaxial resonator

1 - Flat segments forming movable capacitor plates; 2 - flat segments forming fixed capacitor plates; 3 - short-circuited resonator end; 4 - inner resonator tube; 5 - outer resonator tube; 6 and 7 - quarter-wave transformers.

plates are coupled to the other resonator tube through quarter wavelength resistance transformers. Orig. art. has: 1 figure. [JR]

SUB CODE: 09/ SUBM DATE: 03Jun64/ ATD PRESS: 4179

Card 2/2 HW

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S.M.

Learn "to read" sculpture. Rabotnitsa 37 no.5:23-24 My '59.
(MIRA 12:7)

1.Chlen-korrespondent Akademii khudozhestv SSSR.
(Sculpture)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S. M.

Effect of roentgen rays on phosphocalcium metabolism in experimental rickets. Vopr. pediat. 18:5, 1950. p. 10-4

1. Of the Laboratory of Clinical Biochemistry, Central Roentgenological and Cancer Institute of the Ministry of Public Health USSR (Director — Honored Worker in Science, Prof. M. I. Nemenov, Deceased).

CLML 20, 3, March 1951

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S.M.

Nature of the filtration capacity of the kidneys in hypotonic states.
Lab.delo 4 no.2:17-19 Mr-Ap '58. (MIRA 11:4)

1. Iz kliniki gospital'noy terapii (nach. N.S.Molchanov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.
(KIDNEYS) (HYPOTENSION)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S.M.

Extracellular fluid and methods for determining it. Lab.delo 4 no.5: 20-24 S-O '58 (MIRA 11:11)

1. Iz kliniki gospital'noy terapii Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.
(BODY FLUIDS)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S.M. (Leningrad)

Character of the various renal functions in symptomatic hypotension.
Klin.med. 37 no.10:100-105 O '59. (MIRA 13:2)

1. Iz kliniki gospital'noy terapii (nachal'nik - prof. M.L. Shcherba) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.
(HYPOTENSION physiol.)
(KIDNEYS physiol.)

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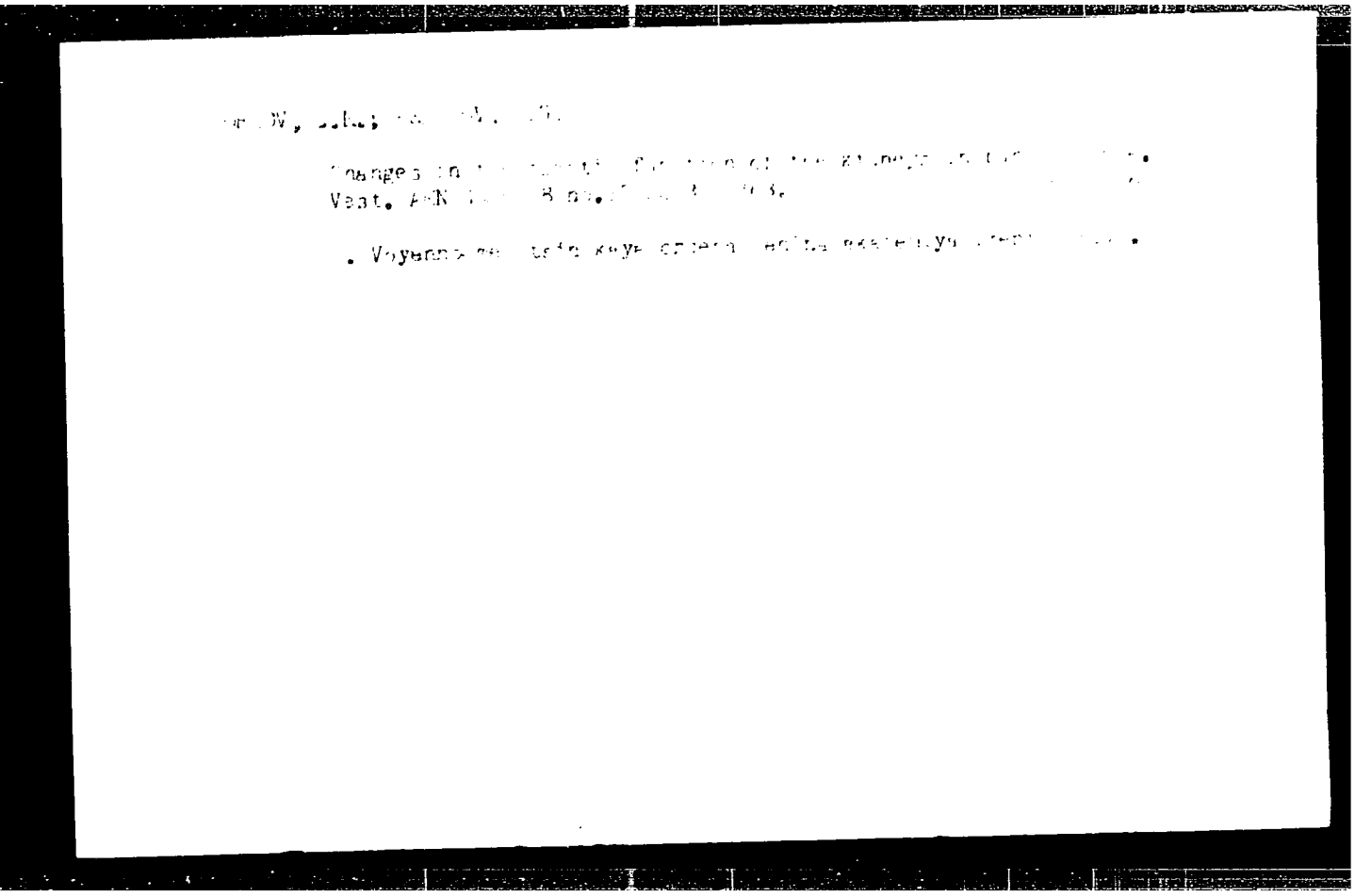
"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238



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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S.N.

Newly discovered inscription relating to some unknown episode in the Northern War. Nauch. biul. Len. un. no.22:38-40 '49. (MLRA 10:4)
(Staraya Ladoga--Inscriptions) (Northern War, 1700-1721)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S.N., inzh.

Standardizing the dimensions of storm ports on fishing boats. Sudostroenie 27 no.5:9-11 My '61. (MIRA 14:6)
(Fishing boats)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

L 19185-63 EWT(d)/EWP(k)/EWP(q)/EWT(m)/BDS AFFTC/ASD Pf-4 JD/HW/JG
ACCESSION NR: AR3004206 S/0276/63/000/006/V065/V065

69
67

SOURCE: RZh. Tekhnologiya mashinostroyeniya, Abs. 5V279

AUTHOR: Stukach, A. G.; Orlov, S. N.; Baranchikov, V. M.

TITLE: Temperature-velocity factor while pressing aluminum alloys

CITED SOURCE: Tr. N.-i i proyektno-konstrukt. in-ta gorn. i obogatit. mashinostr., sb. 2, 1960 (1961), 113-133

TOPIC TAGS: pressing aluminum alloy, temperature-velocity factor, drawing degree, pressed rod, duralumin, crack

TRANSLATION: Factors influencing thermal effect of deformation were investigated. A method of approximate calculation of thermal effect while pressing aluminum alloys is presented. Test methods are described for determining the effect of the degree of drawing on the thermal effect of deformation, temperature of the pressed billet and the container and the pressure speed during hot pressing of D-1 duralumin. Tests were carried out on a 1,000 t hydraulic press. Diameter of the container bushing was 115 mm. The drawing degree (ratio of cross section area of initial bar to the cross section area of the pressed product) was 10.2, 30 and 46.

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L 19185-63
ACCESSION NR: AR3004206

2

During tests the following were recorded: the force of pressing per move, surface temperature of the pressed rod at its exit from the matrix eye, and of the matrix temperature. Study of the quality of the pressed rods and analysis of their microstructure were also carried out. It was established that during pressing aluminum alloys of "duralumin" type the thermal effect is very high and may cause a 100° and more warming up of metal. At increasing speed of pressing the temperature of the metal piece constantly rises then from the front toward the rear end and from the center toward the periphery. Irrespective of pressing conditions (initial alloy temperature, container temperature, elongation degree and deformation speed) cracks on the pressed rod appear at a certain surface temperature of the product (for products made of D-1 and D-16 alloys at 480 to 490°); pressing of rods made of D-1 alloy at high running speeds (of the order of 50 m/min and more) at ordinary conditions leads to overheating of peripheral layers. During this time overheating appears later than cracks on the product. It often accompanies metal cracking but is not its primary cause. Fifteen figures, 2 references. S. Koles-nikov.

DATE ACQ: 21Jun63 SUB CODE: IE, MA ENCL: 00

Card 2/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

Z/034/61/000/004/005/005
E073/E335

18 1210

AUTHORS: Orlov, S.N., Stukach, A.G. and Ganago, O.A.

TITLE: Method of Extrusion of Hard Aluminium Alloys and Other Low-plasticity Metals and Alloys (Soviet Patent No. 129616, Class 7b, 10, Valid from June 20, 1959, Published November 5, 1960)

PERIODICAL: Hutnické listy, 1961, No. 4, p. 290

TEXT: In order to increase the forming speed during extrusion of sections, an extrusion die with two zones was used, a compression zone and a sizing zone, which are separated by a cavity filled with lead, graphite or another substance which has a lubricating effect. This lubricant ensures maintaining in the extrusion blank a state of stress, without producing tensile stresses, and a high surface quality. The idea is demonstrated by a sketch, Fig. 5, where: 1 - the metal to be extruded; 2 - entry (compression) zone; 3 - extrusion die; 4 - sizing zone; 5 - cavity; 6 - lubricant; 7 - infeed of the lubricant; 8 - piston; 9 - rod.

(Abstractor's note: this is a complete translation.)

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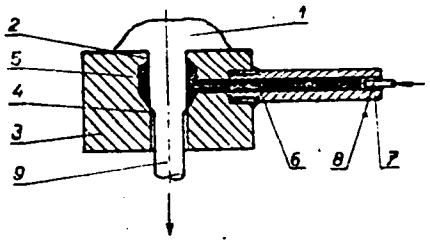
E073/E335

Method of Extrusion ....

Fig. 5:



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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

S/149/62/000/005/008/008
A006/A101

AUTHORS: Pozdeyev, A. A., Tarnovskiy, I. Ya., Vaysburd, R. A., Orlov, S. N.

TITLE: On the calculation of force in pressing aluminum alloy rods

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Tsvetnaya metallurgiya, no. 5, 1962, 145 - 155

TEXT: In order to develop methods of determining the force in pressure working of metals, the authors attempted the derivation of a formula to calculate the force in rod pressing, using direct methods of variation calculus. Force and pressure are calculated with the use of a rough, approximate metal flow diagram (Fig 1) where the container is divided into 3 sections, the velocity field is kinematically possible, and value "a" is the depth of deformation spread. The following simplified formula for the necessary force in pressing rods is derived:

$$\frac{p_c}{2\tau_s} = 1.1 + 1.15 \lg\lambda + 2\left(\frac{0.4\lambda + 0.6}{\sqrt{\lambda}} - 1\right) + 2.8\frac{L}{D}; \qquad (6)$$

λ is the extrusion. The calculated data were experimentally checked and their

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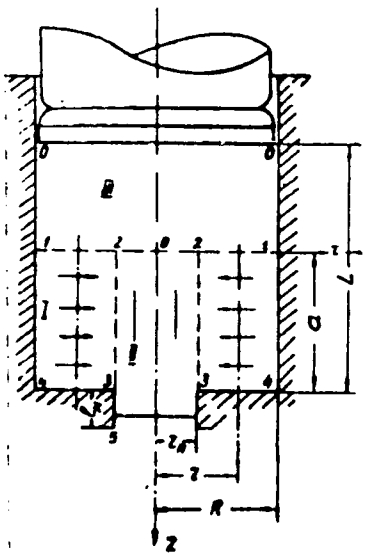
On the calculation of force in...

Figure 1. Kinematic diagram of metal flow and shear volumes in pressing rods from a round container

Legend: r_n is the rod radius; R is the container radius; L is the length of the pressed ingot; l_m is the length of the operational zone of the die; a is the depth of deformation seat spread (variable parameter)



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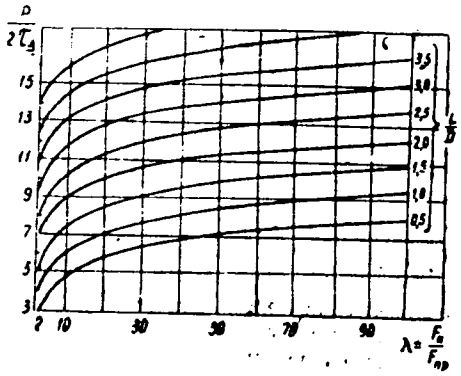
"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

Figure 7. Graph of function $\frac{p}{2\tau_s} = f\left(\lambda; \frac{L}{D}\right)$ for K = 1.4
(K is $\frac{\tau_s}{\tau_s}$; τ_s is friction stress; τ_s is the shear yield point)



Card 4/4

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

GOTMAN, P.Ye.; DEMICHEV, G.M.; PREOBRAZHENSKIY, M.A.; VAYSMAN, B.A.; ORLOV, S.P.; ANDREYEV, K.I.; TARASOV, V.P., inzh., retsenzent

[Storerooms in machinery plants; a handbook] Sklady na zavodakh mashinostroeniia; spravochnik. [By] P.E.Gotman i dr. Moskva, Mashinostroenie, 1964. 722 p. (MIRA 17:12)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, SERGEY PANTELEYMONOVICH

LOPATINSKIY, Semen Nikolayevich; ORLOV, Sergey Panteleymonovich; SOKOLOV, N.P., inzhener, redaktor; LAZAREVSKIY, L.Y., redaktor; GOLUBKOVA, L.A., tekhnicheskiy redaktor

[Installation and operation of weighing equipment of mills and elevators] Montazh i ekspluatatsiia vesovogo oborudovaniia mel'nits i elevatorov. Pod red. N.P.Sokolova. Moskva, Izd-vo tekhn. i ekon. lit-ry po voprosam zagotovok, 1955. 39 p. (MLRA 9:1)

(Weighing-machines)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OHLOV, S.P.; KAPNIN, Ye.B., kandidat tekhnicheskikh nauk, retsenzent; POLYAKOV, G.F., redaktor, inzhener; POKROVSKIY, N.V., inzhener, redaktor; UVAROVA, A.F., tekhnicheskiy redaktor.

[Unit weighing devices] Vesovye doziruiushchie ustroistva. Mo - skva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1955. 154 p. (Weighing-machines) (MLRA 8:11)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S.P., inzhener.

Selecting batcher models for automatic concrete plants. Mekh. stroi. 14 no.2:10-13 F '57. (MLRA 10:4)
(Concrete plants) (Automatic control)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S.P.

ORLOV, S.P., inzhener.

Improving bridges, tunnels, culverts, etc. connected with the increase in loads and speed of trains. Zhel.dor.transp. 39 no.8:56-61 Ag '57. (MLRA 10:9)

(Railroad engineering)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S.P.; NIKONOV, I.M.

Testing the Great Wuhan Bridge. Put' i put. khoz. no.6:47 Je '58.
(MIRA 11:6)

1. Nachal'nik otdela inzhenernykh sooruzheniy Glavnogo upravleniya puti (for Orlov). 2. Nachal'nik Moskovskoy mostoispytatel'noy stantsii Glavnogo upravleniya puti i sooruzheniy (for Nikonov).
(Wuhan--Bridges--Testing)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OHLOV, Sergey Panteleymonovich; TAIROVA, A.L., red.; CHERNOVA, Z.I., tekhn.red.

[Batch measuring devices] Doziruiushchie ustroistva. Izd.2-e, perer. i dop. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1960. 237 p. (MIRA 13:10)
(Measuring instruments)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, Sergey Panteleymonovich; AVDEYEV, Boris Aleksandrovich; GAUZNER, S.I., inzh., retsenzent; YEGORKINA, L.I., red.; EL'KIND, V.D., tekhn. red.

[Weighing equipment in enterprises; manual] Vesovoe oborudovanie predpriiatii; spravochnoe posobie. Moskva, Mashgiz, 1962. 406 p. (MIRA 15:7)

(Weighing machines)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

S/119/62/000/008/003/004
D262/D308

AUTHOR: Orlov, S.P., Engineer

TITLE: New testing machines

PERIODICAL: Priborostroyeniye, no. 8, 1962, 24 - 25

TEXT: The article reviews the following new testing machines: Tensile testing machines РТ -5 (RT-5) and РПТ -1.5 (RPT-1.5) for testing at temperatures of 1100 and 500°C respectively, hydraulic machine ГМС-15 (GMS-15) for expansion and compression tests, machine УПК-4 (UPK-4) and МВП-10000 (MVP-10000) for fatigue tests, machine УКИТ-6 (UKIT-6) for endurance limit tests, machine КМ-50 (KM-50) for torsion tests, machine П-500 (P-500) for spring testing, instrument ПТТ-100 (PTT-100) for tensile yield point tests of tubing, instrument ПТТ-1250 (PTT-1250) for standard thermal activity test of bi-metals at a temperature range of 20 - 500°C. The basic working characteristics of the machines are given and methods of application described in general. There are 1 table and 3 figures.

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GORLIN, G.Ye., inzh.; ORLOV, S.P., inzh.

Automatic weighting of piece goods. Mekh. i avtom. proizv. 18 no.4:11-18 Ap'64. (MIRA 17:5)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S.P. [deceased]

Urgent tasks in bridge maintenance and repair. Put' i put.khoz. 7 no.12:24-25 '63. (MIRA 16:12)

1. Buvshiy nachal'nik otdela inzhenernykh sooruzheniy Glavnogo upravleniya puti i sooruzheniy Ministerstva putey soobshcheniya.

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S.S., kand.med.nauk

Work of dermatovenereological institutions in Far North. Vest. derm. i ven. 32 no.2:60-63 Mr-Ap '58. (MIRA 11:4)

1. Iz Magadanskogo oblastnogo kozhno-venerologicheskogo dispansera (glavnyy vrach - kandidat meditsinskikh nauk S.S.Orlov)
(VENEREOLOGY
in Russia, arctic regions (Rus))
(DERMATOLOGY
same)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S.S.

Landslides in the Malaya Malina River in Kishinev. Izv. Mold. fil. AN SSSR no.6:16-23 '61 (MIRA 17:7)

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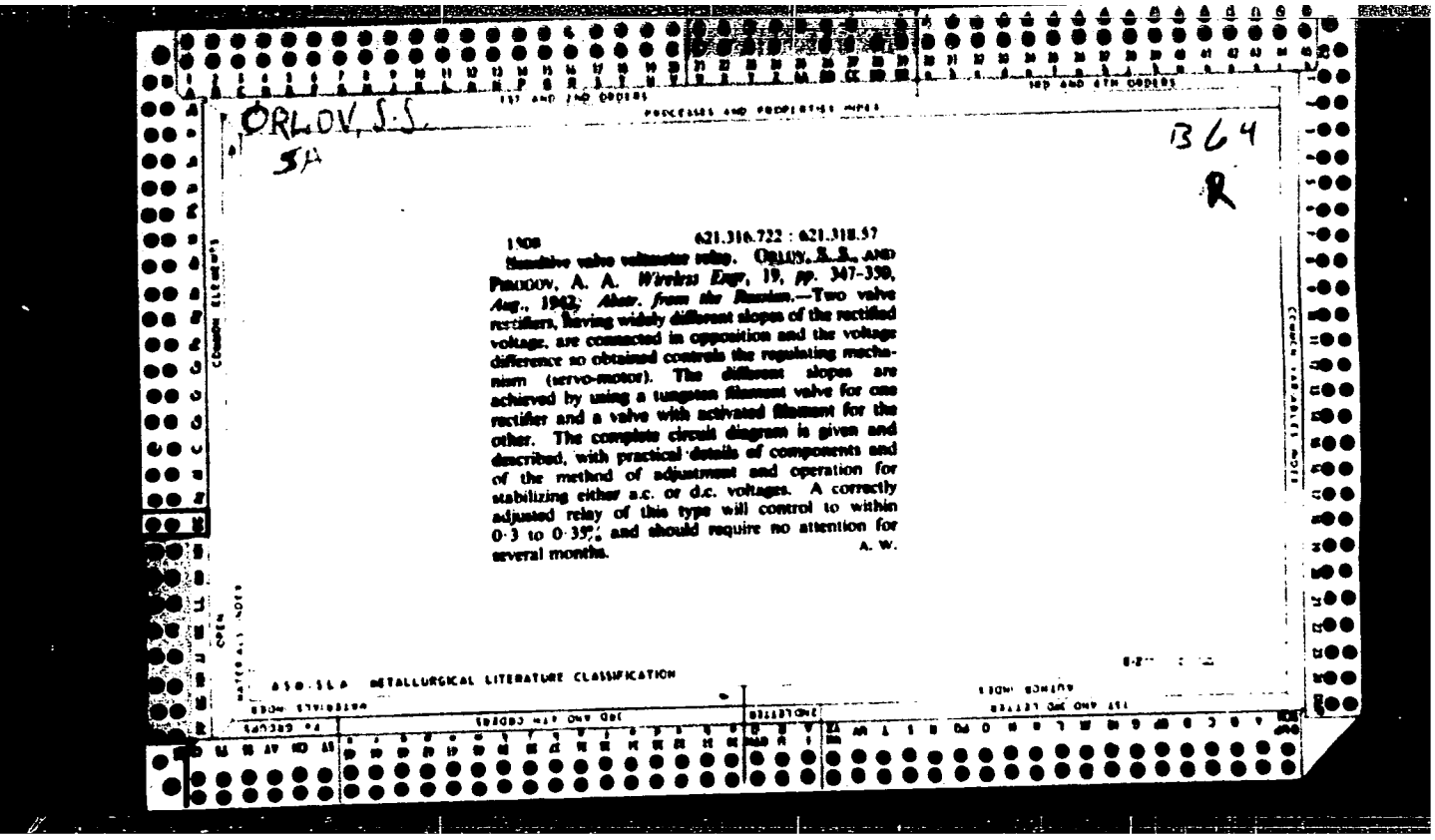

ORLOV, S.S.
SA

B64
R

1908 621.316.722 : 621.318.57

Sensitive valve voltmeter relay. ORLOV, S. S., AND PRODOV, A. A. *Wireless Engr*, 19, pp. 347-350, Aug., 1942. *Abstr. from the Russian.*—Two valve rectifiers, having widely different slopes of the rectified voltage, are connected in opposition and the voltage difference so obtained controls the regulating mechanism (servo-motor). The different slopes are achieved by using a tungsten filament valve for one rectifier and a valve with activated filament for the other. The complete circuit diagram is given and described, with practical details of components and of the method of adjustment and operation for stabilizing either a.c. or d.c. voltages. A correctly adjusted relay of this type will control to within 0·3 to 0·35%, and should require no attention for several months. A. W.

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S. S. PA 19T44

USSR/Radio Transmitters - Design Jan 1946
Radio Transmission

"Increasing the Reliability of Operation of the Potentiometer of High Voltage Transmitters DRK-1 and DRK-15," S. S. Orlov, Chief Engineer, "Kupavna" Radio Center, ½ p

"Vestnik Svyazi - Elektro Svyaz'" No 1 (70)

Discusses in detail the plan which Uchamprin, an engineer attached to "Kupavna", conceived, making it possible to decrease the grid potentiometer by half.

19T44

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S. S.

PA 19T50

USSR/Radio Equipment - Maintenance and Feb/Mar 1946
Repair

Radio transmitters

"Organization of Preventive Maintenance of Equipment at Radio Centers," S. S. Orlov, 3 pp

"Vestnik Svyazi - Elektro Svyaz'" No 2/3 (71-72)

Discusses the necessity of regular and established examination of equipment to preclude the possibility of a major breakdown at some inopportune time. Gives a list of equipment and the basic methods of servicing it. These methods are listed for transmitters type DRK-15 and DRK-1.

19T50

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ORION

Mechanized transportation of specimens from plant sections to laboratories. Zav. lab. 23 no.4:504 '57. (MLRA 10:6)

1. Glavnyy konstruktor TSentral'nogo proyektno-konstruktorskogo byuro Ministerstva chernoy metallurgii.
(Pneumatic-tube transportation)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S.S.

Landslides of Moldavia and their use in agriculture. Ukhr. prir. Mold. no.3:40-46 '65. (MIRA 18:10)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

PLYATSKOVSKIY, O.A., kand.tekhn.nauk; LIVSHITS, A.S., kand.tekhn.nauk; Prinimali uchastiye: AGAYEV, Kh.A.; EL'BERT, S.M.; BRAYLOVSKIY, V.P.; SYRKINA, A.F.; ORLOV, S.T.

Selection of wear resistant steels for mandrels of continuous and three-roll pipe mills. Biul.nauch.-tekh.inform.VNITI no.4/5:51-61 '58. (MIRA 15:1)

(Pipe mills)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

PHASE I BOOK EXPLOITATION SOV/3783

Andreyev, Vladimir Aleksandrovich, Vasiliy Aleksandrovich Zvorykin, Lev Andreyevich Konorov, Sergey Sergeyevich Len'kov, Sergey Timofeyevich Orlov, Vladimir Semenovich Semchukov, and Vladimir Sergeyevich Tarkhov

Raschet i postroyeniye konturov samoleta na plaze (Calculation and Construction of Aircraft Contour Lines With Templates) Moscow, Oborongiz, 1960. 490 p. Errata slip inserted. 2,200 copies printed.

Reviewer: S.S. Bekin, Engineer; Ed. (Title page): S.S. Len'kova, Candidate of Technical Sciences; Ed. (Inside book): V.I. Tikhonov, Engineer; Ed. of Publishing House: M.F. Bogomolova; Tech. Ed.: V.P. Rozhin; Managing Ed.: S.D. Krasil'nikov, Engineer.

PURPOSE: This book is intended for designers and technicians in experimental design offices, lofting shops, and production-development sections of aviation factories. It may also be used by students of schools of higher technical education and tekhnikums specializing in aircraft construction.

COVERAGE: The book examines the principles of the lofting method of aircraft construction, the application of these principles to the design of surfaces of aircraft assemblies, and the procedures for making theoretical and constructional templates.

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Calculation and Construction (Cont.) SOV/3783

The lofting method and the method used in general machine construction are analytically compared. Tolerances used in lofting, some aspects of surface calculation, recommendations for the application of surface calculations to the design of new aircraft, and the construction of aircraft parts and the equipment used for this purpose are discussed. The book is based on experience in this field gained by the authors, by factories, and by scientific research institutes and is claimed to be the first such publication in this field. Part I was written by L.A. Konorov, V.S. Semchukov, and S.S. Len'kov; Part II, by V.A. Andreyev, S.S. Len'kov, and V.S. Semchukov; Parts III and IV, by V.S. Tarkhov; and Part V, by S.T. Orlov and V.A. Zvorykin. Part of Chapter II of Part II was written by M.V. Sedykh. The authors thank V.I. Tikhonov, Engineer, who helped prepare the manuscript. There are 9 references: 8 Soviet and 1 English.

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S/

AM4016104 BOOK EXPLOITATION

Len'kov, Sergey Sergeyevich; Orlov, Sergey Timofeyevich

Patterns and volumetric equipment in aircraft construction (Shablony* i ob"yemnaya osnastka v samoletostroyenii) Moscow, Oborongiz, 63. 0399 p. illus., biblio. 3,200 copies printed

TOPIC TAGS: aircraft lofting, airframe, airplane building, pattern, template, mold, template manufacture, three dimensional pattern equipment, surface pattern, section pattern, molding practice

PURPOSE AND COVERAGE: The book describes methods of preparing templates, three-dimensional patterns, stamping equipment, assembly units, and their use for the manufacture and control of airplane parts. Equipment and tools are described used in air frame and lofting practice. The book is intended for designers and technicians in airplane building enterprises, and at the same time can be useful to students in aviation higher institutions and technical schools.

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SUB CODE: AD, AC, AE, IE SUBMITTED: 08Dec62 NO REF SOV: 009

OTHER: 000 DATE ACQ: 28Jun63

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APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S.V.

Piezometric method of determining displacements of structural elements. Prom. stroi. 40 [i.e. 41.] no.3:38-40 Mr '63. (MIRA 16:3)

(Piezometer) (Krasnoyarsk--Airports--Buildings)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, S.V.

The strength, rigidity, and stability of a tubular element under flexure. Prom.stroi. 40 no.6:50-52 '62. (MIRA 15:6)

1. Nauchno-issledovatel'skiy institut po stroitel'stvu v Krasnoyarske.
(Pipe--Testing)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ACC NR: AP6021467 (N) SOURCE CODE: UR/0413/66/000/011/0087/0087

INVENTOR: Bondarenko, R. M.; Orlov, S. V.; Vayner, E. A.

ORG: None

TITLE: A device for studying flow in a shock tube . Class 42, No. 182372

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 87

TOPIC TAGS: shock tube, flow analysis, aerodynamic R and D

ABSTRACT: This Author's Certificate introduces a device for studying flow in a shock tube. The unit contains a probe with pressure gauges, a specially shaped stand with guides for moving the tube, and a worm-gear speed reducer in this stand with an electric drive. The device is designed for determining flow uniformity in a supersonic shock tube. The probe is made in the form of two telescoping tubes with the outer tube mounted in the guides of the stand. A toothed rack fastened to this tube is used for connection to the electrically driven worm-gear speed reducer. The pressure gauges are connected to the readout instruments by telescoping tubes (e. g. copper tubing) with a sliding fit and sealing devices.

SUB CODE: 13, 20/ SUBM DATE: 06Jan65

Card 1/1 UDC: 620.176

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

1. ORLOV, S. Ye, MORIAKOVA, O.I.

2. USSR (600)

4. Brucellosis In Cattle

7. Diagnosis of brucellosis in cattle with the aid of antigen reaction with whole milk., Trudy Vses.inst.eksp.vet., No.1, 1952

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

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

1. CHERNYSHEVA, M.I., ORLOV, S. Ye

2. USSR (600)

4. Brucellosis

7. Immunogentic properties of the attenuated strain of Br. suis 61., Trudy Vses.inst.eksp.vet.,19 , No.1, 1952

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

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, T. K.

USSR/Medicine - Tissue Therapy Sep-Oct 53

"Tissue Therapy of Inflammatory Gynecological Infections," T.K. Orlov (Minsk)

Akusher i Ginekol, No 5, pp 61-63

Filatov's technique of transplantation of tissue (cattle spleen or placenta) proved effective in the treatment of inflammations due to gynecological diseases. The effectiveness of treatment with tissue transplants depends upon proper selection of patients and consideration of indications and contraindications. If treatment is begun early, before conditions become chronic, recovery usually is quicker and fever transplants are required. Outcome of the healing process depends much upon the method of conserving the tissue and the technique used. Tissue therapy alone was effective in 59.8% of cases; tissue therapy in combination with other types of treatment produced recovery in 80.2% of cases under treatment.

268T38

268T38

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, T.K.,; SHEVCHUK, K.S.,; SEN'KO, V.M.

Use of penicillin with autohemotherapy. Akush. i gin. 32 no.1: 69-70 Ja-F '56 (MLRA 9:6)

(ABSCESS, ther.
penicillin with autohemother.)
(PENICILLIN, ther. use
abscess, with autohemother.)
(SEROTHERAPY, in various dis.
autohemother., abscess, autohemother. & penicillin)

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ORLOV, T.K.

ORLOV, T.K.

Rupture of the ovary. Akush. i gin. 32 no.6:88-89 N-D '56.
(MIRA 10:10)

1. Iz N-skogo okruzhnogo voyennogo gospitalya (nach. - polkovnik meditsinskoy sluzhby M.V.Khiteyev)
(OVARIES, rupt.)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, T.K.; TREYSTER, G.N.

Hysterosalpingography in the diagnosis of tubal sterility. Zdrav. Belor. 4 no.2:15-17 F '58. (MIRA 13:8)

1. Iz Okruzhnogo voyennogo gospitalaya (nachal'nik gospitalya M.V.Khiteyev).
(UTERUS—RADIOGRAPHY) (STERILITY)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, T.K., polkovnik med. sluzhby.

Effective use of antibiotics in obstetric and gynecological practice.
Akush. i gin. 34 no.6:99 N-D '58. (MIRA 12:1)
(ANTIBIOTICS)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, T.K.

Some errors in the diagnosis of gynecological diseases. Zdrav. Belor. 5 no.2:26-29 F '59. (MIRA 12:7)

1. Iz okruzhnogo voyennogo gospitalya (nachal'nik gospitalya M.V. Khiteyev).
(GENERATIVE ORGANS, FEMALE--DISEASES)

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, T.K.

Two cases of repeated extrauterine pregnancy in the stump of a removed tube. Zdrav.Belor. 5 no.6:69-70 Je '59.
(MIRA 12:9)

1. Iz Okruzhnogo voyennogo gospitalya (nachal'nik M.V.Khiteyev).
(PREGNANCY, EXTRAUTERINE)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, T.K.

Methods of efficient antibiotic therapy in obstetrical and gynecological practice. Zdrav. Belor. 5 no.10:36-38 O '59. (MIRA 13:2)

1. Iz Okruzhnogo voyennogo gospitalya (nachal'nik M.V. Khiteyev).
(ANTIBIOTICS) (GYNECOLOGY)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OHLOV, T.K.

Prevention and treatment of suppurative processes in the small pelvis in women. Zdrav.Belor. 5 no.12:10-12 D '59. (MIRA 13:4)

1. Iz okruzhnogo voyennogo gospitalya (nachal'nik gospitalya M.V. Khiteyev).

(PELVIS--ABSCESS)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, T.K.

Uterine polyps. Zdrav. Belor. 6 no. 7:18-19 Je '60.
(MIRA 13:8)

1. Iz Okruzhnogo voyennogo gospitalya (nachal'nik M.V. Khiteyev).
(UTERUS--DISEASES)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, T.K.

Surgical therapy of nonhealing erosions and old ruptures of the cervix uteri as a method of cancer prevention. Akush. i gin. 36 no.3:65-66 My-Je '60. (MIRA 13:12)
(UTERUS--CANCER) (ELECTROSURGERY)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, T.K.

Etiology and treatment of dysfunctional uterine hemorrhages.
Akush.i gin. no.1:41-43 '62. (MIRA 15:11)

1. Iz Minskogo gorodskogo rodil'nogo doma (glavnyy vrach A.I. Bogdanova).

(HEMORRHAGE, UTERINE)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, T.K.

Special course of tuberculosis of the adnexa uteri. Zdrav. bel. 8 no.1:63-64 Ja '62. (MIRA 15:3)

1. Iz Minskogo gorodskogo rodil'nogo doma (glavnyy vrach A.I. Bogdanova, nauchnyy rukovoditel' - dotsent M.B. Mayzel').
(UTERUS--TUBERCULOSIS)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, T.K.

Tuberculosis of the cervix uteri. Zdrav.Bel. 8 no.12:63-64 D '62.
(MIRA 16:1)

1. Iz Minskogo gorodskogo rodil'nogo doma (glavnyy vrach A.I. Bogdanova).

(UTERUS--TUBERCULOSIS)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

OKLOV, T.K.

Effect of abortions on the nature of the menstrual function.
Zdrav. Bel. 9 no.1:68-70 J'63. (MIRA 16:8)

1. Iz Minskogo gorodskogo rodil'nogo doma (glavnyy vrach A.I.Bogdanova)
(ABORTION --COMPLICATIONS AND SEQUELAE)
(MENSTRUATION)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, V., mayor

The rocket hit the target. Starsh.-serzh. no.6:15 Je '61.
(MIRA 14:10)

(Rockets (Ordnance))

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, V., mayor

Thr forest hooted. Starsh.-serzh. no.11:11 O[i.e. N] '61.
(MIRA 15:2)

(Rockets (Ordnance))

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, V. podpolkovnik

Toward a new starting position. Starsh.-serzh. no.5:13 My '62.
(MIRA 15:6)

(Rockets (Ordnance))

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, V., podpolkovnik

With the first launching. Starsh.-serzh. no.8:15 Ag '62. (MIRA 15:8)

(Radar, Military) (Rockets (Ordnance))

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, Vadim, inzh.

Technical aesthetics in the U.S.S.R. Nauka i tekh mladezh 16 no. 4:28-32 Ap '64.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123

L 40121-66 EWT(m)/EWP(j) RM

ACC NR: AP6019444 (N) SOURCE CODE: UR/0308/66/000/002/0039/0039

AUTHOR: Kiyn, S. (Engineer; Specialist in varnish and paint); Orlov, V. (Laboratory chief)

ORG: Riga Ship Repair Yard (Rizhskiy sudoremontnyy zavod)

24
B

TITLE: Durable paints for ships

SOURCE: Morskoy flot, no. 2, 1966, 39

TOPIC TAGS: shipbuilding engineering, paint / XB-53 paint, NIVK paint

ABSTRACT: The use of the new XB-53 paint for painting ship hulls is discussed on the basis of experience acquired by Riga Ship Repair Yard since August 1964. The greatest advantage of this paint is its property of quick drying in winter. Two layers of paints need only 2.5 days for drying at a freezing temperature of -5 C, while the old paints of NIVK type need 5 days. In summer, only 1.5 days are required. The XB-53 can be used for painting at temperatures down to -20 C. It stands up well to the action of air and is less expensive than the paints of NIVK series. However, the XB-53 becomes very toxic in summer and the use of gas masks is prescribed. No gas masks are usually needed in winter.

UDC: 621.315.617.1

Card 1/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

MORALEVICH, Yuriy Aleksandrovich; GOLOV, V., red.

[Stories of synthetic chemistry] Rasskazy o bol'shoi khimii. Moskva, Politizdat, 1964. 141 p. (MIRA 17:8)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

KOLOS, I.A.; ORLOV, V., red.

[People of the great flight] Liudi bol'shogo poleta. Moskva, Politizdat, 1965. 117 p. (MIRA 18:7)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

67640

SOV/29-60-1-19/25

~~20(6)~~ 20.4000

AUTHOR: Orlov, V., Engineer

TITLE: Helmsmen of Cosmic Space. Inertial Navigation

PERIODICAL: Tekhnika molodezhi, 1960, Nr 1, pp 33-34 (USSR)

ABSTRACT: In this article the author explains what navigation means and describes the new method known as inertial navigation. Compared to astronomic and radio-navigation, this method offers many advantages. The position and the velocity of the flying body is in this case determined by means of instruments which need no external signs of orientation and which are located in the flying body itself. In this system, accelerometers and integrators are used. The most important of these devices is the accelerometer, in which the principle of inertia is used. Three accelerometers and 6 integrators will be required on a space ship, because in the case of an arbitrary motion, acceleration must be measured in three coordinate directions. As such, 3 arbitrary directions, which are perpendicular to one another and are constant with respect to the stars, may be assumed. They are adjusted on board the space ship by means of a stabilizing gyroscopic device. The flight of a rocket or of a space ship

Card 1/2

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

BIRMAN, Aleksandr Mikhaylovich; ORLOV, V., red.

[Learn to manage; stories on the economics of an enterprise] Uchis' khoziaistvovat'; rasskazy ob ekonomike predpriiatiia. Izd.2. Moskva, Gospolitizdat, 1960. 391 p. (MIRA 17:4)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, V., nauchnyy sotrudnik

Heating and ventilation of livestock buildings. Sel'.stroi. 18 no.11:18 N '63. (MIRA 17:3)

1. Otdel mekhanizatsii Smolenskoy oblastnoy opytnoy sel'skokhozyaystvennoy stantsii.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, V.

Acceleration of a free fall. Nauka i zhizn' 29 no.5:112, 3 of cover My '62. (MIRA 15:11)
(Gravitation)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, V.; AGAFONOVA, Z.; GUDAKOVA, V., starshiy nauchnyy sotrudnik; TOLMACHEVA, O., starshiy nauchnyy sotrudnik

Timely disinfection of seed. Zashch. rast. ot vred. i bol. 10 no.1:15-17 65. (MIRA 18:3)

1. Direktor Kurskoy sel'skokhozyaystvennoy opytnoy stantsii (for Orlov). 2. Zaveduyushchaya laboratoriyey Kurskoy sel'skokhozyaystvennoy opytnoy stantsii (for Agafonova). 3. Kurskaya sel'skokhozyaystvennaya opytnaya stantsiya (for Gudakova, Tolmacheva).

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

L 10706-67 EWT(m)/EWP(w)/EWP(t)/ETI IJP(c) JD/WB
ACC NR: AP6028224 (N) SOURCE CODE: UR/0308/66/000/006/0036/0037

AUTHOR: Prokof'yeva, M. (Chemical Engineer); Orlov, V. (Laboratory chief)

ORG: [Orlov] Laboratory of the Riga Ship-Repairing Plant (Laboratoriya Rizhskogo sudoremontnogo zavoda)

TITLE: Hydrogen embrittlement and loss of steel due to corrosion of steam boilers during acid flushing

SOURCE: Morskoy flot, no. 6, 1966, 36-37

TOPIC TAGS: corrosion, intergranular corrosion, steam boiler, aqueous solution, high temperature effect, hydrogen embrittlement, steel, HYDROCHLORIC ACID

ABSTRACT: Metal samples were treated with 5% hydrochloric acid solutions at 20 and 60°C to determine the effect of the solution on hydrogen embrittlement and loss of metal due to corrosion, as well as to supplement the inadequate data on this subject. The experimental results showed that 1) normalized metal exposed for 4 hrs to acid solutions at 20 C shows no decrease in plasticity when the temperature of the acid solution is raised to 60°C, 2) the decrease in plasticity of a metal treated with a solution of high temperature for 2 hrs is substantially greater than when treated with

UDC: 621.18:66.067

Card 1/2

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

L 22010-66 EWT(1) RO

ACC NR: AP6009023 (A,N) SOURCE CODE: UR/0401/65/000/011/0008/0009

AUTHOR: Orlov, V. (Lieutenant colonel)

ORG: none

TITLE: In Higher Artillery School

SOURCE: Starshina-serzhant, no. 11, 1965, 8-9

TOPIC TAGS: military training, education, [redacted] specialized training

ABSTRACT: An article written in an easy, informal conversational style is presented in order to praise the educational methods and artillery practice employed by the Kiev Higher Engineering-Artillery School. The school was established during the Civil War. Special attention is given to the studies of mathematical sciences including higher mathematics, laws of probability, use of computing machines, etc. The curriculum also includes topography, engineering subjects, protection against the effects of nuclear and chemical warfare.

Card 1/2

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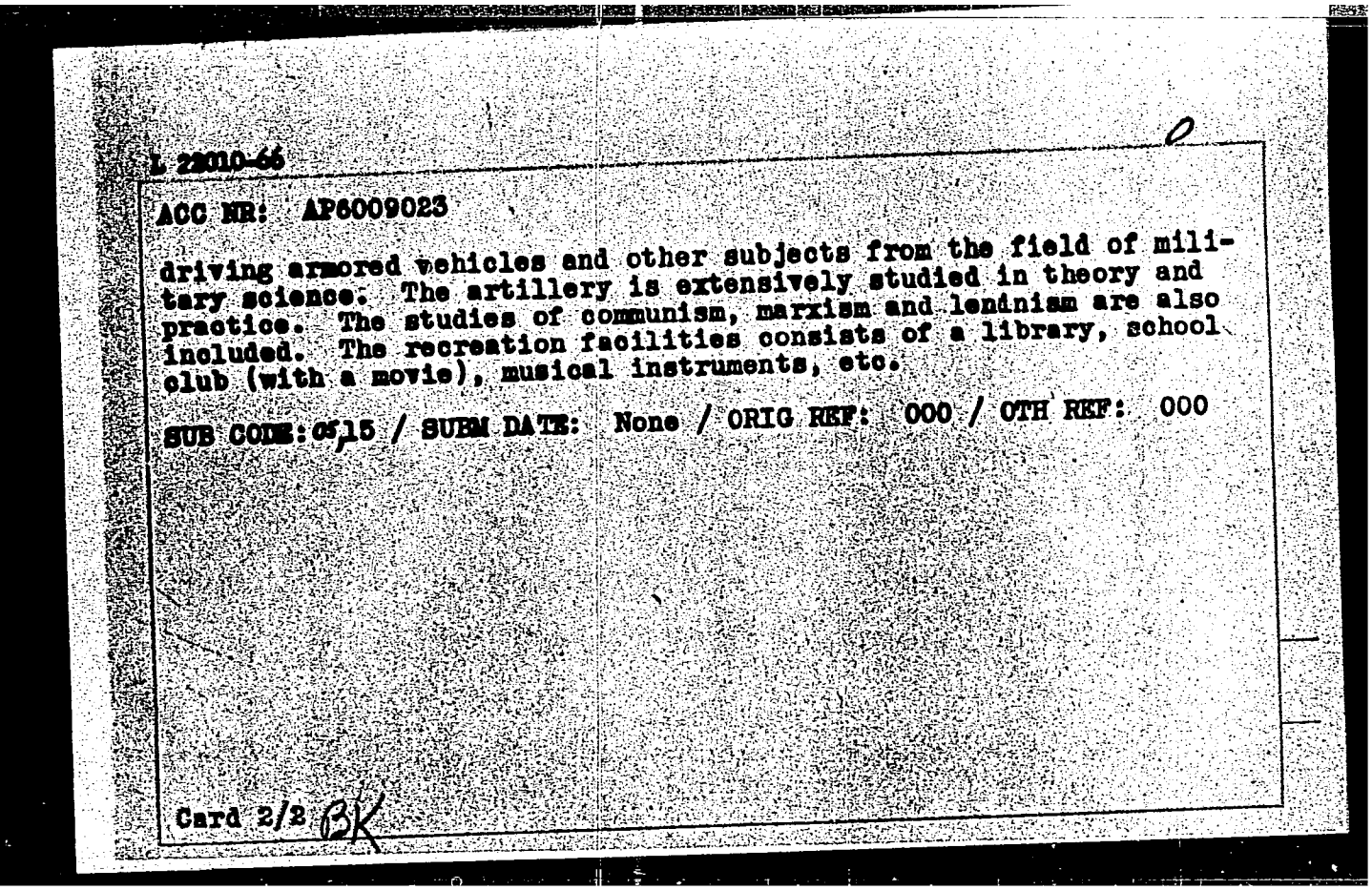

L 28010-66

ACC NR: AP6009023

driving armored vehicles and other subjects from the field of military science. The artillery is extensively studied in theory and practice. The studies of communism, marxism and leninism are also included. The recreation facilities consists of a library, school club (with a movie), musical instruments, etc.

SUB CODE: 05,15 / SUBM DATE: None / ORIG REF: 000 / OTH REF: 000

Card 2/2 BK

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, V.A.

Use of a new device for perineal puncture biopsy in the diagnosis of prostatic diseases. Urologiia no.6:33-38 N-D '63. (MIRA 17:9)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav.- prof. I.A. Ivanov) Permskogo meditsinskogo instituta.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, V.A.

Problem of species-forming variability of microorganisms. Zhur. mikrobiol. epid. i immun. no.10:31-37 O '54. (MLRA 8:1)

(BACTERIA,
variability, species form.)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, V.A.

Altitude correctors for motor-vehicle carburetors. Avt.prom. 27 no.11:20-23 N '61. (MIRA 14:10)

1. TSentral'nyy nauchno-issledovatel'skiy i konstruktorskiy institut toplivnoy apparatury avtotraktornykh i statsionarnykh dvigateley.
(Motor vehicles--Engines--Carburetors)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

S/191/62/000/004/003/017
B110/B138

5.3630

AUTHORS: Orlov, V. A., Tarakanov, O. G.

TITLE: Polymerization of di-β,β'-chloro-ethyl ester of vinyl phosphinic acid

PERIODICAL: Plasticheskiye massy, no. 4, 1962, 6-8

TEXT: The kinetics of the block polymerization of $CH_2=CHP(O)(OC_2H_4Cl)_2$ (I) was studied. The fraction used was produced at 140-143°C 2-3 mm Hg, $d_4^{19} = 1.3196$, $n_D^{19} = 1.4780$; the initiators benzoyl peroxide (II), azoisobutyric acid dinitrile (III), isopropyl benzene hydroperoxide (IV), lauryl peroxide (V), tertiary butyl peroxide (VI) were fresh. $P = K\Delta V$, where P = polymerization depth, %; ΔV = reduction in volume of the polymerizing system as percentage of initial value; K = coefficient. $K \approx 8$ according to the polymer yield. Maximum polymer yield was 70-85 % with the catalysts mentioned. The polymerization rate is at first constant, decreasing from a certain depth of conversion. Air accelerates it.

Card 1/3

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Polymerization of di-β,β'-chloro-ethyl...

Depending on the test conditions, a viscous, resinous substance, or an insoluble, elastic, yellow product, is formed. Repeated precipitation from a solution of the resinous substance in acetone by means of diethyl ether, will separate the polymer as a solid, brittle, white, strongly hygroscopic substance which is soluble in polar organics. The ebullioscopically measured molecular weight was 2700, that of the polymer isolated at 5-8 % conversion depth, 1200. 21-hr fractionation of the resin at 110°C in the presence of 4.44 % by weight of VI yielded four fractions with specific weights of 13.2-40.6, specific viscosities of 0.096-0.335 (5 % acetone solutions), and molecular weights of 1900-6000. The softening temperature, determined thermomechanically, was ~50°C. $\log v_{in} = -6640/T + 17.436$ holds for polymerization of I with III. The activation energy of polymerization of I was 30.4 kcal/mole. For polymerization of I with III: $v_{in} = 0.105\sqrt{C} - 0.00198$, where C = initiator concentration in molar parts. The presence of 0.1-0.7 % water reduces the rate of polymerization several times. It is suggested that the low molecular weights of polymeric esters of vinyl phosphinic acid are

Card 2/3

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ORLOV, V. A.

SHESTAKOV, V.Ye., kandidat tekhnicheskikh nauk; ORLOV, V.A.

Methods for obtaining hybrid rye seeds and a study of their productivity. Agrobiologiia no.2:40-43 Mr-Ap '57. (MLRA 10:5)

1.Petrovskaya gosudarstvennaya selektsionnaya stantsiya, p/o Danilovka, Penzenskoy oblasti.
(Penza Province--Rye breeding)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, V.A.

[Radio amateur's meter device] Izmeritel'naia laboratoriia radioliubitelia. Moskva, Gos.energ.izd-vo, 1951. 79 p. (MIRA 13:5)

(Radio measurements)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, V.A., mayor

Simple and reliable diagram. Vest.protivovozd.obor. no.12:66 D '61. (MIRA 15:3)

(Radio, Military)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, V.A.

The problem of an efficient system of heating residential and public buildings in permafrost regions. Sbor.nauch.rab.AKKH no.12:206-213 '62. (MIRA 16:4)
(Heating) (Frozen ground)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, V.A.

The variety of diameters of round air ducts for industrial ventilation. Sbor.trud.NIIST no.9:150-157 '61. (MIRA 15:8)
(Airpipes) (Ventilation)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOV, V.A.

Investigating the performance of an automobile carburetor under variable temperature conditions. Avt. prom. 29 no.11:29-32 N '63. (MIRA 16:12)

1. TSentral'nyy nauchno-issledovatel'skiy i konstruktorskiy institut toplivnoy apparatury avtotraktornykh i statsionarnykh dvigateley.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238