GUENAYNW, G.V. --

"Certain Methods for the BIOLO ical Improvement of Seeds of Sprin. Wheat in the Initial Stages of Seed Planting (for conditions of the Wooden Stages of the Southeastern USSR)." Cand Agr Sci, Saratov Agricultural Inst, Saratov, 1953. (RZhBiol, No 3, Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

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SOV/70-4-4-9/34 Sanadze, V.V. and Gulyayev, G.V. AUTHORS : The Decay of Solid Solutions in the System Nickel-gold. I. TITLE: PERIODICAL: Kristallografiya, 1959, Vol 4, Nr 4, pp 526 - 533 + 1 plate (USSR) The nickel-gold alloys, containing 0.7, 1.12 and 1.72 at.% ABSTRACT: Au, have been studied by the method of successive annealing. It was shown, by X-ray diffraction, microhardness and electrical conductivity measurements, that in these alloys a two-phase decay of solid solutions rich in Au takes place at comparatively low temperatures, but that above 500-600 °C, two-phase decay proceeds in solutions based on Ni. Alloys of the three compositions were made by fusing Ni and Au in a corundum crucible in a vacuum furnace. .5 mm dia cylinders were turned from the specimens and etched with 50% HNO₂, 50% CH₂COOH for X-ray examination. Parameters were found from the 420 CuK_a doublet at 78°30'. Specimens, both rods and plates, were annealed at various temperatures between 250 and 925 $^{\circ}$ C. Those quenched from temperatures higher than 925 °C had the single-phase β -solid solution structure. Card1/4

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SOV/70-4-4-9/34 The Decay of Solid Solutions in the System Nickel-gold. I.

> The equilibrium diagram of the Ni-Au system shows that the limit of the solubility of Au in Ni below 300 °C has not been exactly established, although extrapolation gave some basis for the assumption that at room temperature Au was soluble in Ni to the extent of at least 1-1.5 at.%. This was why the particular concentrations used here were chosen. For the two lower concentrations, metallographic examination failed to show two phases and only the increased background or weak lines in the diffraction pictures showed that at room temperature the alloys were not single-phase. For studying the transformation proceeding in the Au-rich α -phase, the measurements of X-ray background and electrical resistance were particularly valuable as these characteristics were especially sensitive to changes in the finely-dispersed components of alloys. As a result of the increasing solubility of Au in the Ni lattice with increasing temperature, non-uniformities begin to be produced in α -solid solutions which decay into α and α' phases poorer and richer in Au. There are two

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sov/70-4-4-9/34 The Decay of Solid Solutions in the System Nickel-gold. I.

solid solutions co-existing in one and the same base but of different concentrations and this indicates the occurrence of two-phase decay of the solid solution. The impoverishment of the a-solid solutions with respect to Au leads to the formation of ordered structures, first Au₂Ni, then AuNi

and, finally, Ni₃Au. At higher temperatures (above 500-600 °C) the β -solid solutions begin to decay. These modes are very complicated and are summarised in a diagram. Exfoliation of the β -solid solutions proceeds with the separation of gold-rich phases (β , β^* and β^{\dagger}). This process in turn leads to the formation of ordered structures of the Ni₃Au type based on the β -solid solutions.

is clear that all the phases mentioned are not stable and only express separate stages of the process, its kinetics. The process consists of the meeting of two diffusion currents leading at high temperatures to the formation of a homogeneous solid solution.

Card3/4

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SOV/70-4-4-9/34 The Decay of Solid Solutions in the System Nickel-gold. I. There are 9 figures, 1 table and 6 references, of which 4 are German, 1 English and 1 international. ASSOCIATION: Gruzinskiy politektnicheskiy institut im. S.M. Kirova (Georgian Polytechnical Institute imeni S.M. Kirov) SUBNITTED: April 8, 1959 Card4/4

201/10 4-5-11/20 AUTHORS: Sanadze, V. V., Gulyayev, G. V. والهاد فالإستان فتقتله ومواولا ومراجع ومراجعهم ومعارج فالمح Decomposition of Solid Solutions in Nickel-Gold TITLE: Alloys Kristallografiya, 1959, Vol 4, Mr 5, pp 678-694 PERIODICAL: (USSR) Continuing the subject of their previous studies (Abstract 74873, Kristallografiya, 4,4, 1959), ABSTRACT: The authors examined the course of phase transitions in the nickel-gold alloys with higher Au contents than in previous experiments. The contents of 10.07% Au, 14.4% Au, 19.5% Au (3.2, 4.8, 6.7 atomic %, respectively) secured two-phase systems at indoor temperatures. The phase transitions and the compounds resulting from them at the annealing temperatures varying from 250 to 925° C are shown in Fig. 10. It can be seen that the redistribution of atoms in the α -phase, rich in gold, first leads to the segregation of AugNi with Card 1/5

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. Decomposition of Solid Solutions in Nickel-Gold Alloys

出达得到**多点时,只是**有这些方法的开始,在于这些问题,我们还是不是我们的生态和这些问题,我们是这些问题,我们就是我们就是这些问题,我们还是是是是这些问题。

an ordered crystal structure and α' - phase with a lower Au content. The still further temperature increase leads to the solution of more gold in the eta-phase on the expense of Au₃N1, lpha' -phase and AuNi which consequently disappear completely at certain temperatures. The increased Au content in the β -phase gives rise to the segregation of β '-phase, of which, in turn, segregates the β "-phase, taking the excessive Au. Finally, above 900° C, all the transitional phases dissolve one in another forming a single β -phase of uniform composition. The unit cell dimensions of each phase were determined according to the X-ray photographs taken at various temperatures. The identity periods, a, of their cubic cells are given in Fig. 10 in parentheses. The alloys of the three different compositions, annealed at various temperatures, have been tested for the hardness, H μ in kg/mm² units, and electric resistivity, ρ in 106 Ω per cm units. The results for the alloy with 4.8% Au (atomic)

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Decomposition (fold Alloya	or Solla Solutions in Midat.	1997/1997-1997/30
	are shown in Fig. 6. The ch periods, electric resistivit the change in the Au content 1. There are 10 figures; 5 1 Soviet, 1 British. The Br Hansen, "Constitution of Bin 1958.	tables; and hardnesses with are illustrated in Fig. tables; and 2 references, itish reference is: M.
ASSOCIATION:	Georgian Polytechnic Institu (Gruzinskiy politekhnicheski Kirova)	ite imeni S. M. Kirov y institut imeni S. M.
SUBMITTED:	April 8, 1959	
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CIA-RDP86-00513R000617320014-7

37710 s/139/62/000/002/002/028 E111/E135 12150 Sanadze, V.V., and Gulyayev, G.V. AUTHORS: Kinetics of recrystallization in nickel-gold alloys TITLE: PERIODICAL: Izvestiya vysshikh uchobnykh zavodoniy, Fizika, no.2, 1962, 15-20 Previously the authors studied phase transformations occurring through mutual solution of phases in nickel-gold alloys. The study of their recrystallization properties is the subject of the present article. The four alloys studied contained 3.66, 5.5, 10.07 and 14.4% Au by weight. All were vacuum-melted, annealed and slowly cooled, and were found to be two-phase. Cold-rolled (deformation up to 96-98%) specimens 0.06 mm thick were annealed for various times and temperatures and were studied by X-ray diffraction and micro-hardness measurements in order to find the temperature of the start and end of recrystallization. Except for the longest holding time (60 min), the curves of the temperature of the start and end of recrystallization as functions of gold content had two maxima; at about 4 and at 10-12% Au. Card 1/2

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The effect of diffusion, which reduces stresses in the deformed alloys, leads to an increase in the recrystallization temperature. A further important factor is the appearance of intermediate states which can affect the temperatures of the start or end of recrystallization for the shorter holding times. activation energy of the start of recrystallization rises from about 37 kcal/g atom at about 4% Au to about 79 at 10, and about 80 at 15; the curve is similar to that of the temperature of the start of recrystallization for a holding time of 60 min. Evidently gold atoms, reducing the surface tension, increase lattice bonding forces when they penetrate its grains, thus raising both start and end temperatures of recrystallization. Professor V.I. Iveronova gave valuable advice on this work. There are 8 figures and 1 table. ASSOCIATION: Gruzinskiy politekhnicheskiy institut imeni V.I. Lenina (Georgian Polytechnical Institute

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Card 2/2

APPROVED FOR RELEASE: 09/19/2001

imeni V.I. Lenin) December 20, 1960

CIA-RDP86-00513R000617320014-7

FILL C. CH. C. HHENGAR ANALASIAN AND DEPENDENT AND DEPENDENT AND THE COMPANY AND THE COMP SANADZE, V.V.; GULYAYEV, G.V. Phase dissolution in the system nickel-gold. Lokl. AN SSSR (MIRA 17:8) 158 no.1:89-91 S-0 '64 1. Gruzinskiy politekhnicheskiy institut imeni V.I. Lenina. Predstavleno akademikom N.V. Belovym.

APPROVED FOR RELEASE: 09/19/2001

L 59531-65 ENT(m)/EFF(c)/ENG(m)/EFR/ENP(j)/I Pc-4/Pr-4/Pr-4 DE/AM/RM ACCESSION NR: AP5016810 UR/0195/65/006/003/0399/0405 547.211 : 542.921 : 541.124 AUTHOR: <u>Gulyayev, G. V.; Polak, L. S.</u> TITLE: Kinetics of thermal decomposition of methane SOURCE: Kinetika i kataliz, v. 6, no. 3, 1965, 399-405 TOPIC TAGS: <u>kinetics, thermal decomposition</u> , methane, acetylene ABSTRACT: A mathematical treatment of the kinetics of thermal decomposition of methane was given assuming the conditions of: unlimited space, absence of concen- tration and temperature gradients, and instantaneous heat-up of gas to reaction tem- perature (time = zero). For such an idealized system a formula was derived for cil- culating maximum residence time of methane a treaction tomperature to achieve a maximum conversion to acetylene where: K2 is the rate constant of thermal decomposition of ethane, H3 is the rate Card 1/2	
TITLE: Kinetics of thermal decomposition of methane SOURCE: Kinetika i kataliz, v. 6, no. 3, 1965, 399-405 TOPIC TAGS: <u>kinetics</u> , thermal decomposition, methane, acetylene ABSTRACT: A mathematical treatment of the kinetics of thermal decomposition of methane was given assuming the conditions of: unlimited space, absence of concen- tration and temperature gradients, and instantaneous heat-up of gas to reaction tem- perature (time = zero). For such an idealized system a formula was derived for cal- culating maximum residence time of methane at reaction temperature to achieve a maximum conversion to acetylene where: K_2 is the rate constant of thermal decomposition of ethame, K_3 is the rate	ACCESSION NR: AP5016810 UR/0195/05/006/003/0399/0405
SOURCE: Kinetika i kataliz, v. 6, no. 3, 1965, 399-405 TOPIC TAGS: $\frac{\text{kinetics}}{\text{kinetics}}$, thermal decomposition, methane, acetylene ABSTRACT: A mathematical treatment of the kinetics of thermal decomposition of methane was given assuming the conditions of: unlimited space, absence of concen- tration and temperature gradients, and instantaneous heat-up of gas to reaction tem- perature (time = zero). For such an idealized system a formula was derived for cal- culating maximum residence time of methane at reaction temperature to achieve a maximum conversion to acetylene where: K_2 is the rate constant of thermal decomposition of ethane, K_3 is the rate	AUTHOR: Gulyayev, G. V.; Polak, L. S.
TOPIC TAGS: $\sqrt{kinetics}$, thermal decomposition, methane, acetylene ABSTRACT: A mathematical treatment of the kinetics of thermal decomposition of methane was given assuming the conditions of: unlimited space, absence of concen- tration and temperature gradients, and instantaneous heat-up of gas to reaction tem- perature (time = zero). For such an idealized system a formula was derived for cal- culating maximum residence time of methane at reaction temperature to achieve a maximum conversion to acetylene where: K_2 is the rate constant of thermal decomposition of ethane, K_3 is the rate	
ABSTRACT: A mathematical treatment of the kinetics of thermal decomposition of methane was given assuming the conditions of: unlimited space, absence of concentration and temperature gradients, and instantaneous heat-up of gas to reaction temperature (time = zero). For such an idealized system a formula was derived for calculating maximum residence time of methane at reaction temperature to achieve a maximum conversion to acetylene where: K_2 is the rate constant of thermal decomposition of ethame, K_3 is the rate	[이 이 그 이 것 같아요. 이 이 것 같아요. 그 가지 않는 것 같아요. 法律师 이 제품이 가지 않는 것 같아요. [[]
where: K_2 is the rate constant of thermal decomposition of ethane, K_3 is the rate	ABSTRACT: A mathematical treatment of the kinetics of thermal decomposition of methane was given assuming the conditions of: unlimited space, absence of concen- tration and temperature gradients, and instantaneous heat-up of gas to reaction tem- perature (time = zero). For such an idealized system a formula was derived for cal- culating maximum residence time of methane at reaction temperature to achieve a
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of C2H2 from 1 mo	tion of acetyler V. G. Knorre <i>Con</i> ec and the conv l of CH4). At	ne. The value mbustion and F ersion of meth 3000°K t_{max} is	es of K_2 , K_1 Plane, 6, 2 hane to ace $4.6 \cdot 10^{-6}$	3, and Ku 53, 1962. tylene is sec and t	At 2500° 82% (0.41 be corresp	n from K moles onding	
conversion to ace	tylene is 85%. titut neftekhim	Orig. art. ha licheskogo sint	is: 1 tabl	a, 2 figu	rea, 7 for	siulas.	
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	S/844/62/000/000/105/129 D204/D307
AUTHORS:	Gulyayev, G. V., Davydov, B. E., Krentsel', B. A., Pata- Takh, I. I. and Polak L. J.
TITLE :	The effect of radiation on semiconducting polymeric ma- terials
SOURCE:	Trudy II Vsesoyuznogo soveshchaniya po radiatsionnoy khi- mii. Ed. by L. S. Polak. Moscow, Izd-vo AN S55R, 1962, 621-624
on polyac: such mate or radiat tested. T hot-press	e effects of δ and electron irradiation on polymers based rylonitrile (PAN) were studied, to determine the nature of rials. The (powdered) specimens were prepared by catalytic ional polymerization; a polyacrylonitrile fabric was also the specific electron conductance (σ , 10 ⁻¹⁰ ohms ⁻¹ .cm ⁻¹) of ed (15,000 atm, 350°C) radiation polymerized PAN was lower
creased,	of catalytically polymerized PAN (~2.6 - 3.6) and de- by a factor of 10 - 15, with increasing power of the dose nduce polymerization (10^6 r, the rates were varied from 28

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The effect of radiation ...

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to 140 r/sec.cm³, at 25°C). The o of catalytic PAN polymerized at 28 r/sec.cm³, increased on irradiation with increasing doses, up to ~10 and ~5 respectively at 5 Hr; further increase was only slight. The σ of PAN polymerized at 75 and at 140 r/sec.cm³ was unaffected by irradiation. The energy of activation (= 0.4 ev) remained constant in all cases. The specific conductance of PAN fabric increased on irradiation, from ~10⁻⁵ at 0 to ~10⁻³ ohm⁻¹ cm⁻¹ at 140 Mr, whilst the energy of activation fell from 0.33 to 0.2 ev. Similar effects were observed by subjecting the fabric to 0.7 Mev electrons. The various changes observed in these semiconducting polymers on irradiation are ascribed to differences in the macrostructure of the polymer. There are 4 figures.

ASSOCIATION: Institut neftekhimicheskogo sinteza AN SSSR (Institute of Petrochemical Synthesis, AS USSR)

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HEALTEDENTSHOUTHERE EASTHEALTEREERE EREITERE EREITERE EREITERE EREITERE EREITERE EREITERE EREITERE EREITERE ER 43533 5/204/62/002/005/007/007 1 E202/E192 11.13+0 Gulyayev, G.V., Kozlov, G.I., Polak, L.S., AUTHORS : Khitrin, L.N., and Khudyakov, G.N. Conversion of methane into acetylene in a plasma jet TITLE: PERIODICAL: Neftekhimiya, v.2, no.5, 1962, 793-794 Acetylene synthesis was studied quantitatively in a constricted arc plasma torch. The working parameters of the TEXT: latter were as follows: W-cathode, Cu - water cooled nozzle-anode, input 15 kW, power to plasma 9.5-10.0 kW, current 280 A, working gas - argon, at 60.3-58.0 litre/min. Methane was introduced above the W-electrode at rates 6.7-49.7 litre/min. The temperature of pure Ar plasma was calculated approximately at 10 000 °K, and the time of residence of methane in plasma approximately 10-5 sec. The product gases were sampled along the plasma jet axis at various distances and analysed chromatographically. In contrast to the results of H.W. Leutner and C.S. Stokes (Ind. Engng Chem., v.53, 1961, 341) the authors found that almost 100% of methane had reacted and the conversion into acetylene was approximately 80%. Card 1/2

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Conversion o	f methane into	S/204/62/002/005/007/007 E202/E192	
of 15 kW.hr. improved by increasing t	per one m ³ of acetyl	ent rate of energy consumption lene could be considerably with methane or hydrogen and ma torch.	
ASSOCIATION:		cheskogo sinteza AN SSSR chemical Synthesis AS USSR)	
. •	Energeticheskiy inst (Power Engineering I	itut im. G.M. Krzhizhanovskogo Institute imeni G.M. Krzhizhanovskiy)	Y
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AUTHORS: <u>Gulyayev, G. V.</u>, Kozlov, G. I., Polak, L. S. Khitrin, L. N., Corresponding Member AS USSR, Khudyakov, G. N.

TITLE: Transformation of methane into acetylene in the argon plasma beam

and the second

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 3, 1963, 641-643

TEXT: In order to reduce the specific energy consumption during production of acetylene and to achieve a high degree of transformation of methane into acetylene, experiments were made with argon plasma beam. The latter was produced in a 15 kw plasmotron by a stabilized argon discharge ignited between a tungsten cathode and a water-cooled copper anode. Plasma was discharged through a 3 mm jet into the anode. Methane was introduced into the plasma beam through special openings in the jet wall at an angle of 90° to the direction of plasma discharge. Reaction products were tested chromatographically for content of H_2 , CH_4 , C_2H_6 , C_2H_4 and C_2H_2 . The

dependence of the degree of cracking of methane on its consumption was investigated at 280 a, a power of 9.5 kw and an argon consumption of Card 1/3

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617320014-7 ÷ s/020/63/148/003/035/037 B117/B186 Transformation of methane into ... here investigated: transformation of methane into acetylene in a 200-kw plasmotron with argon, hydrogen and other carrier gases; transformation of propane, butane and the propane-butane fraction in the plasma beam; production of bound nitrogen in the plasma beam. There are 1 figure and 2 tables. 1-1 Institut neftekhimicheskogo sinteza Akademii nauk SSSR ASSOCIATION: (Institute of Petrochemical Synthesis of the Academy of Sciences USSR); Energeticheskiy institut im. G. M. Krzhizhanovskogo (Power Engineering Institute imeni G. M. Krzhizhanovskiy) SUBMITTED: October 13, 1962 Card 3/3

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BUROV, N.Ye.; DAMIR, Ye.K.; GULYAYEV, G.V.; SADYKOV, N.M.

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Hyperventilation tetany during light anesthesia. Eksp. khir. 1 anest. 8 no.5:84-87 S-D '63. (MERA 17:6)

1. Kafadra anesteziologii (zav.- dotsent Ye.A. Damir) TSentral'nogo instituta usovershenatvovaniya vrachey, Moskva.

APPROVED FOR RELEASE: 09/19/2001





-CULYAYEV, G.V. Disturbances in expernal respiration in thoracic surgery. Report No.1: Changes in respiration in relation to the position of the No.1: Changes in respiration in relation to the position of the No.1: Changes in respiration in relation to the position of the NIRA 14:6) 1. Is kliniki torakal'noy khirurgii i anesteziologii (zav. prof. te.N.Meshalkin) TSentral'nogo instituta usovershenstrovaniya vrachey (dr. M.D. Kovrigina). (CHEST-SURGERY) (RESPIRATION)

APPROVED FOR RELEASE: 09/19/2001

GULYAYEV, G.V.

Disorders of external respiration in theracic surgery. Part 2. Respiratory changes during surgical pneumothorax. Eksper. khir. 5 no.l:14-21 Ja-F '60. (MIRA 13:12) (PNEUMOTHORAX) (RESPIRATION)

APPROVED FOR RELEASE: 09/19/2001



DAMIR, Ye.A.; SADYKOV, N.M.; GULYAYEV, G.V.; PLATONOVA, Z.V.

÷កោលសិច-អារីសារ។ សាំង

Characteristics of anesthesia in emergency surgical interventions. Trudy Inst. im. N.V. Sklif. 9:175-180 '63. (MIRA 18:6)

1. Iz kaředry anesteziologii TSentral'nogo instituta usovershenstvovaniya vrachey (zav. kaředroy - dotsent Ye.A. Damir).

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्य मध्य सम्प GULYARY. . Ivan Aleksandrovich; GERMAN, V.Ye., reduktor; MANINA, M.P., tekhnicheskiy redaktor [Hunting fur-bearing animals] Okhota na pushnykh sverei. Moskva, Gos. izd-vo "Fizkul'tura i sport," 1956. 79 p. (MIRA 9:12) (Hunting) TYPE STREET n seren guein 生生 時間

APPROVED FOR RELEASE: 09/19/2001

YEROKHIN, N.M.; GULYAYEV, I.A., agronom; RUSINOVA, R.D., nauchnyy sotrudnik Frunze Collective Farm in the Altai Territory is striving for higher standards of agriculture. Zemledelie 7 no.12:30-33 (MIRA 13:3) D '59. 1. Predsedatel' kolkhoza imeni Frunze, Yegor'yevskogo rayona, Altayskogo kraya (for Yerokhin). 2. Kolkhos im. Frunze, Yegor'yevskogo rayona, Altayskogo kraya (for Gulyayev). 3. Altayskiy zonal'nyy nauchno-isiledovatel'skiy institut sel'skogo khozyaystva (for Rusinova). (Altai Territory -- Collective farms) 21

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GULYAYEV. I.B., inzh.

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Some sources for lowering the net cost in bridge construction. Avt.dor. 21 no.6:21-22 Je '58. (MIRA 12:10) (Bridges--Costs)

	 W. M. D. K. A. A. D. M. M.
i -	
	S/137/61/000/006/042/092 A006/A101
AUTHORS :	Gulyayev, G.I., Finkel'shteyn, Ya.S., Gulyayev, I.N., Kolpovskiy, N.M., Osinskiy, V.A., Chudnyy, I.G., Bogomazov, M.M., Shkabatur, K.I.
TITLE:	Investigating the operation of a three-roll reduction mill
PERIODICAL:	Referativnyy zhurnal. Metallurgiya, no. 6, 1961, 35, abstract 6D285 ("Byul. nauchne-tekhn. inform. Ukr. n1. trutn. in-t", 1959, no. 6 - 7, 48 - 57)
less and wel was establis kinematics of sary elongat meter. In t ling, thicke	The authors studied the operation of an 18-stand three-roll reduc- r the purpose of establishing the rolling technology for both seam- ded water-gas pipes under conditions of the Plant imeni Lenin. It hed that the combination of the former groeving of the rolls with f a three-roll reduction mill, makes it possible to obtain the neces- ion only when reducing welded pipes of 2 and $1\frac{11}{2}$ diameter to 1^{11} dia- he other cases the wall of the central pipe section is, after rol- or than required by GOST 3252-55. The authors calculated and inves- calibration of the rolls, for reducing pipes from 48 x 3.5 mm to
tigated new	
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	Investigating the operation	S/137/61/000/006/042/092 A006/A101	
) - - - - - - - - - - - - - - - - - - -	21.25 x 2.75 mm. It was established that the efficience of 2, $1\frac{1}{2}$ and $1''$ diameter are manufactured only by weldin pipes of $1\frac{1}{4}$, $\frac{1}{4}$ and $\frac{1}{2}''$ diameter on mill no. 1 with the us liminary calculations have shown that the reduction of 2'' diameter to $1\frac{1}{4}''$, from 2'' to $\frac{1}{4}''$ and from $1\frac{1}{2}'''$ to $\frac{1}{2}'''$ will the pipe-welding shop at the Plant imeni Lenin ty 12.819 metal consumption will increase by 14% . To maintain the consumption on the level of planned figures, and to obtain the efficiency of the reduction mill, it is necessary of the welded pipes prior to rolling up to 9.6 - 15.5 m.	ng on mill no. 2, and se of reduction. Pre- 7.5 m long pipes from a L raise the efficiency of by the coefficient of e coefficient of metal ain a further increase y to increase the length	
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[Abstracter's note: Complete translation]		
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133-1-16/24

AUTHORS: Alferova, N.S., Pishchikov, G.P., and Konovalov, V.P. Production of Hot Rolled Tubes from Steel 3M 595 and Their Properties (Proizvodstvo goryachekatanykh trub iz TITLE: stali EI 595 i ikh svoystva)

Stal', 1958, No.1, pp. 60 - 66 (USSR)

An investigation of the suitability of heat-resistant PERIODICAL: steel JM 595 for hot rolling of tubes is described. Specimens ABSTRACT: of metal cut out from tube semis (Fig. 3) were tested under laboratory conditions, for deformability and piercing ability in a wide range of temperatures at various degrees of reduction. The results obtained were compared with those for other heatresistant steels: X25T, X25KO5, carbon steel 10 and stainless steel 1X18H9T (Figs. 1, 2 and 4). As steel 3M595 is brittle in the cold state, the influence of heat treatment on this property was investigated. The results of tests for impact strength of specimens hardened and slow-cooled from 950°C are shown in Fig.5, together with the values for impact strength after hardening from 750, 850, 900 and 1 000 C. It was found that to prevent temper brittleness, it is necessary to apply rapid cooling of tubes in water from 950 - 1 000 °C. Experimental hot rolling of tubes was done on a laboratory mill Cardl/3 from specimens of 35 mm diameter and 120 mm long, cut out from

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annen an eine eine mit eine annen bereine eine eine stere beite ber fichten beite bester Bebrief Bebrief Bebrief 133-1-16/24 Production of Hot Rolled Tubes from Steel JM595 and Their Properties works' semis of 90 mm diameter. Piercing was done at 1 200 °C and hot rolling under two practices: 1) piercing with sub-sequent rolling from single heating, and 2) reheating after piercing to 1 200 °C. The micro-structure of experimental tubes rolled by the above two methods before and after hardening from various temperatures is shown in Figs. 6 and 7, respectively, and mechanical properties in Table 1. Cold rolling of tubes made according to Method 1 after thermal treatment according to the method described in Ref.4 was also tested with good results. Experimental rolling of tubes on an industrial scale was done on the works imeni Lenin. The temperature of semis before piercing was 1 160 - 1 180 °C, after piercing 1 120 - 1 130 °C. Rolling of tubes 57 x 5 mm was done on a continuous mill in rolls with round passes on a long mandrel 48 mm diameter. At the end of rolling, the temperature was 930 - 970 °C. Rolling was normal, the coefficient of consumption of metal for finished hot-rolled tubes before and after heat treatment (hardening from 950 after 1 hour soaking) are given in Table 2 and Figs. 8 and 9. The following personnel of the Plant'imeni Lenin participated in the work: I.N. Gulyayev, N.M. Kolpovskiy, A.M. Ludenskiy, N.M. Bukhman, K.F. Beskorvnyy and P.P. Bezrukavyy. There are 2 tables, Card2/3

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I. $64796-65$ EMT(m)/EPA(w)-2/EMA(m)-2 IJP(c)	
ACCESSION NR: AR5004574 S/0275/64/000/011/A053/A053 621.364.6	
SOURCE: Ref. zh. Elektronika i yeye primemeniye. Svednyy tom, Abs. 114357	
AUTHOR: Stepanchuk, V. P.; UUIyayey, K. A.	
AUTHOR: <u>Stepanchuk</u> , V. P.; Qulyayey, K. A. TITLE: Electronic circuit for protecting the <u>betatron</u> infector and LM-2 hot-wire gauge from the atmosphere	
CITED SOURCE: Sb. Elektron. uskoriteli. M., Vyssh. shkola, 1964, 368-370	
TOPIC TAGSE betatron, betatron injector, hot wire manometer	
TRANSLATION: The construction and principal circuit are described of an attachment to the VIT-1 vacuumeter which ensures quick turn-off of the heating circuit of	
the betatron injector and IM-2 hot-wire gauge upon a vacuum deteriotation in the chamber. The circuit monitors the voltage drop across an input resistor of the	
vacuumeter amplifier by means of applying a part of this dron to the attachment	
amplifier; the attachment turns on and off a relay which controls the heating circuit of the injector and LM-2 gauge. A one-year operation of the attachment has	
corroborated its usefulness.	
Card 1/1 SUB CODE: NP, EC ENCL: 00	





GULYAYEV, K.I., assistent

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Selecting parameters of cutter heads for cutting bavel gears with cycloidal longitudinal tooth profile. Izv. vys. ucheb. zav.; machinostr. no.1:101-107 165. (MIRA 18:5)

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15(6) AUTHORS:	SOV/72-59-1-13/16 Tsaritsyn, N. A., Zakharenko, N. I., Gulyayev, K . V.
TITLE :	Improved Drawing Method of Stained Glaze (Usovershenstvo- vannyy sposob vytyagivaniya tsvetnogo nakladnogo stekla)
PERIODICAL:	Steklo i keramika, 1959, Nr 1, pp 40-43 (USSR)
ABSTRACT: Cord 1/2	In the Chernyatinskiy stekol'nyy zavod (Chernyatichi Glass Works) a plant was used for this purpose, as shown in figure 1. It was, however, not possible to produce perfect stained signal glass up to the GOST standards. The stained glass applied to the belt showed considerable de- ficiencies. Figures 2, 3 and 4 show the construction of a plant that obtained good results. The stained glass metal is spread on the colorless glass belt in the form of a thin layer, the thickness of the layer depending on the level of the stained glass metal in the melting tank. The glass pro- duction is carried out on a vertical drawing device, the width of the belt being 1200 mm. The performance of this plant is described in detail. As experience has shown, it is advisable to prefer highly aluminiferous beams to fire clay beams for the melting tank of the stained glass because the

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A CORE A LIGHT MARKEN PROVIDENT AND A COMPARISON OF A DESCRIPTION OF A DESCRIPANTE A DESCRIPTION OF A DESCRI 307/72-59-1-13/16 Improved Drawing Method of Steined Claze latter may be corroded by the glass metal. Then this plant was first introduced the drawing speed amounted to 21 - 23 m/h, after a month it had risen up to 34 m/h. The shuttles were in operation for 21 to 24 hours, the apparatus was running for 500 to 580 hours without any interruption. The usable output amounted from 600 to 620 m² daily. By this method it has been possible to produce inexpensive stained glass for building purposes and light filters for signalizing. There are 4 figures. ASSOCIATION: Chernyatinskiy stekol'nyy zavod Chernyatichi Glass Works) Card 2/2

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CIA-RDP86-00513R000617320014-7

ANDRYUSHCHENKO, I.G.; GULYAYEV, L.S. Practical application of soil research results obtained on the "Oneshts" State Farm in connection with the use of fertilizers. Pochvoredenie no.10:73-78 '60. (WIRA 13:10) 1. Gosudarstvennyy progektayy institut, Kishinev. (Fertilizers and mammres) (Soil research) APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617320014-7"

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GULYAEV,	М.	Α.	
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Lobanchenko, N. G.

Steam+blast cleaning of heating surfaces of boiler units. Moskva, Gos. energ. izd-vo, 1952. 155 p. (54-35070)

TJ390.L58

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Shara ya 👬 Se

<u>1. 1. Automer</u>, S. I. Ballo, and J. M. Lebassiano, <u>Colvia heisittail surrahev</u> (Clouher Outosiler Unite), Sonecorroladet.

The bookiet describes the causes, and the formation of bolker scale, the design, notheds of installation, and operating schedule of various blowing-out apparatus. The necessary instructions are included for personnel charged with blowing-out boller booking cardaces, and back labor sofety requirements are stated.

The bookiet is intended for personnel charged with blowin -out beller white, but also nay corrected as a provided, and for other duties of boiler operating personnel.

SO: Soveteldire Inici (Seviet Socke), So. 183, 1953, Lescer, (U-53/2)

CIA-RDP86-00513R000617320014-7

SCV/96-58-5-23/27 Gulyayev, M.A., Candidate of Technical Sciences AUTHOR: The Design of Gas/Fuel-oil Burners of Azenergo (Konstruktsii gazomazutnykh gorelok Azenergo) TITIE: Teploenergetika, 1958, Mr 5, pp 85 - 88 (USSR) PERIODICAL: ACT: In Azenergo, natural gas and fuel-oil have been burned under large boilers for more than twenty years. The burner ABSTRACT: designs aim at the best mixing of gas and fuel oil with air and the simultaneous heating of the mixture in the embrasure before inlet to the furnace. Some other requirements also arise. In Azenergo, there are four types of burners that have justified themselves by long service. The bladed burner of the BPK is illustrated in Figure 1. Burners of this design have been in operation since 1939 but are rather complicated and allow some bas to get into the air box. The tendency for the flame to retract makes it necessary to work with high excess air ratios at light loads. The tangential burner of the BPK is illustrated in Figure 2. The air is swirled by a simple tangential inlet; gas is introduced at the centre and mixes with the air before leaving the embrasure. This type of burner is simple in design and better than those with peripheral gas delivery; it has been used since 1940 and gives satisfactory combustion with a long flame Card1/4

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SOV/96-58-5-23/27 The Design of Gas/Fuel-oil Burners of Azenergo and no smoke. The spiral burner of Azenergoproyekt, illustrated in Figure 3 and first installed in 1945-46, differs from the others in having a spiral register with a damper to regulate the airflow. With hot air at high speeds, good combustion is obtained when burning fuel oil alone. The non-uniformity of air velocity in the embrasure is much less with this design than with the previous one. The bladed burner of BPK-Azenergoproyekt with central gas delivery is illustrated in Figure 4. In order to regulate the swirl and the quantity of air delivered, Azenergoproyekt in 1947 designed rotating in place of fixed blades. The increased swirling of the air made the flame somewhat shorter and improved the air distribution in the burner and embrasure. In 1956-57, when a number of power stations were converted to gas burning, Azenergoproyekt designed some new gas/fuel-oil burners. Three of these designs, intended for different types

of boilers, are illustrated in Figures 5, 6 and 7 and are described in the article. An improved gas burner is

Re-design of the burners on one Babcock and Wilcox boiler

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illustrated in rigure 8.

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s/123/61/000/024/009/016 A004/A101 Gulyayev, M. A., Ryzhov, V. A. AUTHORS: The machining of capillaries for exemplary compression pressure TITLE: gages Referativnyy zhurnal, Mashinostroyeniye, no. 24, 1961, 9, abstract 24E47 ("Tr. in-tov Kom-ta standartov, mer i izmerit. priborov pri PERIODICAL: Sov. Min. SSSR", 1961, no. 50 (110), 58-61) The authors describe the machining technology of capillary tubes 1-5 mm in diameter for compression pressure gages. When selecting the blanks the authors consider tubes suitable whose difference of inner diameter of ends over a length of 350 - 400 mm, measured by a plug gage, does not exceed 0.1 mm. The channel is machined by a set of laps (3 pieces). To determine the diameter of the ground capillary the tube is immersed in a glass tub with plane-parallel bottom filled with toluol. Toluol has a refractive index which comes rather near the refractive index of molybdenum glass, so that during the observation in the transient light the capillary walls nearly "dissappear" while the channel boundaries are clearly and distinctly visible. The diameter is measured on the Card 1/2

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40-BE(34) GULYAYEV, M.A., kand.tekhn.nauk; FALKOVSKIY, M.A., inzh. Enlargement and redesign of a fuel oil and gas operated mediumpressure electric power plant. Elek. sta. 32 no.11:20-23 N (MIRA 14:11) ·61. (Electric power plants)

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199 (PP) 199 (PP)







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GULYAYEV, M.A.; MAMEDOV, M.M.; ABOULLAYEV, K.M. Testing reconditioned separating devices of the BG-35 boilers using softened water from the Dzheyran-Batan Lake. Za tekh.progr. (MIRA 16:10) 3 no.3:14-16 Mr '63. 1. Upravleniye energetiki Soveta narodnogo khosyaystva Azerbaydzhanskoy SSR. 法国 相比

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CIA-RDP86-00513R000617320014-7

GULYAYEV, M.A.; YERYUKHIN, A.V. Precision measurement of the vacuum in scientific investigations. Izn. (MIRA 17:12) tekh. no.6:17-20 Je '64. CIA-RDP86-00513R000617320014-7" APPROVED FOR RELEASE: 09/19/2001

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AUTHOR: Gulyayev, M. A.; Yeryukhin, A. V. TITLE: Metrology problems in measuring vacuum SOURCE: Izmeritel'naya tekhnika, no. 11, 1964, 17-19 TOPIC TAGS: metrology, vacuum measurement, pressure measuring instrument, power meter AM ABSTRACT: The vast extension of investigations requiring extremely high 10-10 to 10-12 mm Hg. An electronic ionization menometers capitile of measuring veloped to the All-Union Scientific Research Institute of Metrology. The limetrity of its characteristic, which governs the lower extrapolation manometer cannot be used to calibrate instruments operating with gnases of which can reproduce units of pressure independently at the highest possible	L 52151-65 EPR/ENT(1)/EPA(n)-2, ACCESSION NR: AF5017054	/EFA(bb)-2Ps-4/Pab-1 Wt/0115	0 00/WT /64/000/011/0017/00	19
limit, is determined indirectly. Since the indications of Metrology. The limit, is determined indirectly. Since the indications of the fonization manometer cannot be used to calibrate instruments operating with gases of unknown composition, it is necessary to broaden the range of the equipment which can reproduce units of pressure independently at the highest possible	FITLE: Metrology problems in measuring SOURCE: Izmeritel'maya tekhnika, no POPIC TAGS: metrology, vacuum measur owwer meter ABSTRACT: The vast extension of in vacuum in turn requires the develop 10-10 to 10-12 mm Hg. An electroning veloped to the All-Unice and the develop	A. V. ing vacuum >. 11, 1964, 17-19 <u>irement</u> , <u>pressure measuring</u> MM vestigations requiring ex- ment of menometers capatil c ionization manometer ba	ng instrument, off trently high s of measuring been des	
	linearity of its characteristic, whi limit, is determined indirectly. Si manometer cannot be used to calibrat unknown composition it is a calibrat	tch governs the lover ent ince the indications of t te instruments operating	rapolation he funitation with pages of	

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solutions are called for	a vacuum measurement technol in the next 3 to 5 years in	order not to homer
ASSOCIATION: none	s and industrial undertaking	
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ACC NR: ARGO17786	VF(v)/EWP(k)/EWP(h)/EWP(1) WA/GG SOURCE CODE: UR/0058/66/000/001/A014/A014	
AUTHOR: Gulyayev, M. A. TITLE: Measurement of vacuum	· Sa B.	
TOPIC TAGS: vacuum measuremen	vacuum gauge, laboratory instrument,	
ABSTRACT: Review of work carriduring the period from 1950 to installations have been develop $15 - 10^{-10}$ mm Hg, and in partic thermocouple, and also magnetic thermonolecular manometer of gr	gauge, VMB-2 vacuum gauge, VMB-3 vacuum gauge ied out at the VNII metrologii im. D. I. Mendeleyeva date in the field of vacuum measurements. Model ped, covering the range of absolute pressures of cular a new universal stand to check ionization, <u>vacuum meters</u> types VM-1, VMB-2, and VMB-3. A model rade 1, a set of model compression manometer, and a grade 2 are described. P. A. [Translation of abstract]	
SUB CODE: 20		

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CIA-RDP86-00513R000617320014-7

GULYAYEV, N.A. Socialist competition is a basis of success. Vest.sviazi 21 no.10:16 0 '61. (MIRA 14:10) 1. Nachal'nik Minskoy direktsii radiotranslyatsionnoy seti. (Wire broadcasting--Competitions)

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资料注意的新兴中的新闻者(文化新作工作的)) 1 用油料化用油泡用油油和用油用剂 新用用业务 医增强的 用用的 计相称计算机算机 计分子结构 LYAVEY, M.P. Gulyacv, M. P. On a new particular solution of the equations of motion of a heavy rigid body having a fired point. 1 - F/R Vestnik Moskov. Univ. 9, no. 3, 15-21 (1955). (Russian) しゃ The author is not satisfied with Grioli's [Ann. Mat. Pura Appl. (4) 26, 271-281 (1947); MR 10, 335] demonstration of the existence of a regular precession around (a generally nonvertical) axis OP normal to the mass-center line OG, provided that OG is normal to a circular cross-section of the momental ellipsoid. The angular-velocity magnitude is then uniquely determined by the mass distribution. This case seems to have escaped the Schiff-Stackel list of regular precessions [Hamel, Theoretische Mechanik, Springer, Berlin, 1949, pp. 426-442; MR 11, 548]. Using the common devices, the paper shows that if OG has the stated direction, and the angular velocity about OG is constant, Grioli's precession results, and the usual variables are expressible in terms of sin t and cos t. He also states that a precession of "this type" (*OP* normal to *OG*?) is possible only under his accumptions. The reviewer could not find the proof in the paper. Moreover, the author's integration does not hold for the marginal case when A = B and C = 0 because for a physical pendulum the rotation is not uniform and elliptic functions are necessary. The notation of the paper is redundant, and the expression for the angle of OP with the vertical is not given in terms of independent parameters (it depends on the shape only of the momental ellipsoid). A. W. Wundheiler (Chicugo, Ill.

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UBER/Physics	- Mechanics of motion (D.31).
Card 1/1	Pub. 129-0/20
Author :	Gulyayev. M. P.
Title	A rew partial solution of the equations of motion of a heavy solid body which possesses one fixed point
Periodical :	Vest. Mosk. un., Ser. fizikomat. i yest. nauk, 10, No 2, 15-21, May 1955
Abstract :	One of the results of the author's dissertation work ("Circular sections of ellipsoids of inertia and one solution, connected with them, to the problem of the motion of a heavy solid body around a fixed point, "Thesis, Moscow State University, 1953; scientific adviser, Prof. V. V. Dobronra- vov). The author notes that the regular precessions of a heavy body hav- ing one fixed point in the case where the angle between the axis of proper motion and axis of precession of 90° possess exceptional properties. In the present work the author gives a new solution to the problem of the regular precessions of a heavy asymmetrical solid body, first solved some- what earlier by the Italian investigator G. Gricli (Annali Matem, pure di aplicata, ser. IV, vol. XXVI, 1947).
Institution	: Chair of Theoretical Mechanics
Submitted	: July 31, 1953


GULYAYEV, M. P. "On Circular Cross Sections of Reciprocal Ellipsoids in Inertia" "On the Dynamically Possible Regular Precessions of a Solid Body with One Fixed Point" Trudy, t. 1. Transactions of the Mathematics and Mechanics Section, Kazakh SSR, Acad. Sci., Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1959, 207pp.

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GULYAYEV, M. P. and M. OSHIBAYEV

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"On the Stability of the " 'ation of a Heavy Solid Body with One Fized Point in the Case of D. N. _pryachev and S. A. CHAPLYGIN"

Trudy, t. 1. Transactions of the Mathematics and Mechanics Section, Kazakh SSR, Acad. Sci., Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1958, 207pp.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617320014-7"

SOV/124-59-4-3489 Translation from: Referativnyy zhurnal. Mekhanika, 1959. Nr 4, p 12 (USSR) AUTHOR: Gulyayev, M.P. and Oshibayev, M. On the Stability of Rotation of a Heavy Solid Body With One Fixed TITLE: Point for the Case of D.N. Goryachev and S.A. Chaplygin. Tr. sektora matem. i mekhan. AS KazSSR, 1958, Vol 1, pp 144-146. PERIODICAL: The authors investigate the stability of the permanent rotation of **ABSTRACT:** a solid body on a vertical axis with a distribution of mass that is the characteristic of the Goryachev-Chaplygin case. The note duplicates V.V. Rumyantsev's article (Prikl. matem. i mekhan., 1954, Vol 18, Nr 4, 457-458 - RZhMekh, 1955, Nr 2, 614) down to the symbols, although no reference to the article is made. The authors make a mistake in designating the Goryachev-Chaplygin case as the subject of their work, because in this case the vector of the kinetic moment is horizontal, and therefore the possibility of vertical permanent rotations is excluded; other inaccuracies are also tolerated. The problem of the stability of permanent rotations, in Card 1/2particular under the conditions in question, has been treated by

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GULYAYEV, M.P. 5231 0/580/61/000/104/603/018 |0257/0304 AUTHORS: Tikhmenev, S.S., Tronina, V.P., Chikin, V.A., Engagev, G. N., Gulyayev, M.P., Zakharov, Tu.Ye., Chikin C. L.W., Lga-min, V.L., Bognarov, V.K., Shigin, Ye.K., and Erotov, V.P. Scientific, pedagogical and general activities of Profes-TITLE: Bor V.V. Dobronravov Moucow, Vyosheye tekhnichoskoye uchilishehe [frudy], no. 104, 1961. Kekhanika, 7 - 18 SOURCE: TEXT: On the occasion of his 60th birthday and the 35th auniversa-ry of the scientific and pedagogical activity of Professor, Dector of Physical and Mathematical Science, of their Vestlyevich Debron-ravov who to at present Professor at the return Mechanice at MY20 in. N.E. Baumana (MYTU im. N.E. Arcossi, other of his students present this appreciation. V.V. Bobrenewey was born on March 17th, 1901. In 1924 he obtained his degree in mathematics at the Saratov-skiy Gooudarstvennyy universitet in. N.G. Chernyshevskiy (Garatov State University im. N.G. Chernyshevskiy). In 1927 he necepted the Card 1/3開設的短目 计注意 计时间 [1] 4 1 1

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post of Assistant to the Professor of Physics at the Starkhan State Medical Institute, where in subsequent years he jubliched a pa-per in neuro-biophysics. During 1929-31, he was Professor of Mathe-matics at the Saratov Agricultural Institute and lectured at Daretoy University. From 1931 he worked in a number of higher educational establishments in Moscow and was associated with Lescow University from 1931 to 1952. In 1946 he was awarded a doctorate at Nos-cow State University and in 1951 he was elected to the Department of Theoretical Mechanics at MVTU in. N.S. Bauman, where in subscquent years, under his guidance, courses in specialized branches such as stability of motion, gyrescopy, oscillation, variational nethod etc. were developed. During his career the main contributions made were in the field of mechanics of non-holenomic systems. After 1950 he published papers on kinetics of motion of rigid body (Trudy MIKhM, no. 2, (10), 1950), stability of linear systems of diff. equations with constant coefficients in (Avtomatika i Telesebhanika, v. 17, no. 3, 1956) etc. In the 1950's he also became interested in . astronautics. He has been a member of the Koecow Mathematical Society since 1944, and is an active member of the Methodological Commis-

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		e body. Function $\sigma = \frac{V}{N}kt + \sigma_0$	
is a linear f	unction of time. The di	rection cosines $\kappa_1, \kappa_2, \kappa_3$	
agree with \int about the ver where A = B a precession th	, γ', γ', Thus, the p tical axis and differs f nd 2A>C. The case unde at is evidently possible	e precession axes of the body, precession described here takes plac from the one indicated by Lagrange, or consideration here represents a from the dynamic viewpoint. or and 1 non-Soviet-bloc.	e
ASSOCIATION:	Kazakhskiv gosudarstven (Kazakh State Universit	nyy universitet im. S. M. Kirova y imeni S. M. Kirov)	\mathcal{F}
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SUBMITTED:	November 21, 1959		
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GULLYAYEV, M. P.

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4 1 1

Some New Conditions of the Limit Equilibrium of Rocks. p. 113
B. Some Results of Investigation Into Regular Precessions of a Solid Body Around a Stationary Point. p. 114

TRANSACTIONS OF THE 2ND REFUBLICAN CONFERENCE ON MATHEMATICS AND MACHANICS (TRUDY VTOROY RESPUBLIKANSTON KONFERENTSII TO MATIMATIKE I MEKRANIRE), 184 pages, published by the Publishing House of the AS KAEANE SOR, ALMA-ATA, USUR, 1962

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000617320014-7"

1

CIA-RDP86-00513R000617320014-7

CULYAYEV. N. (Perm') Competition in combat readiness. Posh.delo 6 no.10;18-19 0 '60. (MIRA 13;10) (Perm-Firemen)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617320014-7"



APPROVED FOR RELEASE: 09/19/2001 C

GULYAYEV, N. Change the order of issuing planning tasks. Zhil.-kom. khoz. (MIRA 8:6) 5 no.8:30 '55. (Water supply engineering)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617320014-7"

(i) 11110 - 101 - 1000 - 10

GULYAYEV, N.F., kandidat tekhnicheskikh nauk.

1.1

Against propaganda of technical backwardness in city sanitary engineering ("Sanitary engineering for populated places." D.B. Piguta. Reviewed by N.F. Guliaev). Gor. khoz. Mosk. 30 no.7:36-37 Jl '56. (MLRA 9:10) 1. Rukovoditel' sektora ochistki Akademii kommunal'nogo khozyaystva.

(Sanitary engineering) (Piguta, D.B.)

APPROVED FOR RELEASE: 09/19/2001



APPROVED FOR RELEASE: 09/19/2001

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000617320014-7

GULYAYEV, N.F. المراجع بريس On the problem of agricultural sewage irrigation. Gig. i san. 22 no.12:64-65 D '57 (MRA (MIRA 11:3) 1. Iz Akademii kommunal'nogo khozyaystva imeni K.D. Pamfilova. (SEWAGE IRRIGATION) 57

APPROVED FOR RELEASE: 09/19/2001

807-3-58-10-7/23 Gulyayev, N.F., (Settlement Zyryanka, Yakutsk ASSR) AUTHOR: TITLE: **Opening Up** a Distant Region (Osvaivaya dal¹kiy kray...) PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 10, pp 40 - 42 (USSR) ABSTRACT: The story tells of the professional and public works done in the distant Kolyma Kray by graduates of the Ivanovskiy meditsinskiy institut (Ivanovo Institute of Medicine), the Moskovskaya sel'skokhozyayastevnnaya akademiya (Moscow Academy of Agriculture), the Permskiy pedagogicheskiy institut (Perm¹ Pedagogical Institute) and of the Leningradskiy pedagogicheskiy institut (Leningrad Pedagogical Institute). Card 1/1

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SOSYANTS, V.G., dotsent, obshchiy red.; IVANOV, I.T., kand.tekhn.nauk, red.; KLOPATOV, K.K., inzh., red.; ZHUKOV, A.I., prof., doktor tekhn.nauk, red.; GULYATEV, N.F., kand.tekhn.nauk, red.; DUBOV, Yu.B., inzh., red.; ANTONOV, I.K., kand.tekhn.nauk, red.; YEFREMOV, I.S., prof., doktor tekhn.nauk, red.; DYUSKIN, V.K., doktor tekhn.nauk, red.; VINOGRADOV, K.A., kand.sel'skokhoz.nauk, red.; BOTOVA, Yu.P., red. izd-va; SALAZKOV, N.P., tekhn.red.

> [Naterials of the Scientific and Technical Conference on Frohlems in Introducing Achievements of Science and Technology in Municipal Economy] Materialy Nauchno-tekhnicheakogo soveshchaniia po voprosam vnedreniia dostizhenii nauki i tekhniki v gorodskoe khoziaistvo. Moskva, Izd-vo kommun.khoz.RSTSR. Ng.6. [Roads and municipal electric transportation] Gorodskoi transport i dorogi. Pod obshchei red. V.G. Sosiantse. 1959. 197 p. (MIRA 13:2)

1. Nauchno-tekhnicheskoye soveshchaniye po voprosam vnedreniya dostizheniy nauki i tekhniki v gorodskoye khozyaystvo. 2. Rukovoditel' sektora gorodskogo transporta Akademii kommunal'nogo khozyaystva (for Sosyants).

(Local transit)

(Road construction)

APPROVED FOR RELEASE: 09/19/2001

GULYAYEV, N. F., RYALOV, V. N., VADIL'KOVA, Z. G., 'IKOLAYEVA, J. R., MATVEYEV, P. N., PERTUUVSKAYA, M. I., KHADANOV, M. I.

> "Basic hygienic premises in the field of legislature on the sanitary protection of the woil of populated places."

report submitted at the 13th All-Union Congress of Hygenists, Epidemiologists and Infectionists, 1959.

APPROVED FOR RELEASE: 09/19/2001



SHISHKIN, Zekher Nesterovich; KARKLIN, Yakov Aleksandrovich, dotsent;
 KOLOBANOV, Sergey Konstantinovich, dotsent, kand.tekhn.nauk;
 YAKOVLEV, Sergey Vasil'yevich, doktor tekhn.nauk;
 ZHUKOV,
 A.I., prof.; GULYAYEV, N.F., kand.tekhn.nauk;
 SUKHIY, P.A.,
 inzh., retsenzent; POPOVA, N.M., kand.tekhn.nauk, retsenzent;
 SMIRNOVA, A.P., red.izd-va; GILWNSON, P.G., tekhn.red.;
 TEMKINA, Ye.L., tekhn.red.

[Sewerage] Kenelizateiia. Izd.2., ispr. Pod red. A.I.Zhukova. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.meterialam, 1960. 592 p. (MIRA 14:4)

(Sewerage)

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APPROVED FOR RELEASE: 09/19/2001



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