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

ORIOV, A.N., inch.

Improving the production of works manufacturing glass containers.

Leg. prom. 17 no.12:11-15 D '57. (MIRA 11:1)

(Glass manufacture)

AUTHOR:

Orlov, A. N.

72-1-9/13

TITLE:

Experience Gathered in Factories (Iz zavodskogo opyta).
Full Separation of the Gas Chamber of Flowing-Through Furnaces
(Polnoye razdeleniye gazovogo prostranstva pechey s protokom).

PERIODICAL:

Steklo i Keramika, 1958, Mr 1, pp. 27-28 (USSR).

ABSTRACT:

At the suggestion by Stepanyan and Khalilov the glass smelting furnaces in the Baku plant were reconstructed. The plant has two flowing—through furnaces with smelting surfaces of 35 and 30 m². On one of them balloons of 1 content are produced by means of an automatic device I PL, and the other produces bottles with a wide neck and 1/2 1 content by means of two automatic devices JI—lo. Up to the year 1955 the average daily output did not exceed 9000—9500 balloons and 16.000—17.000 bottles; in the case of the balloons production waste amounted to 100—50 %. In 1955 the furnace was remounted in the following manner for the production of balloons (see illustration). The output part of the furnace was made smaller in order to increase the specific extraction of glass mass to 8... lo t/m² per day; the arch, the furnace walls of the discharge part and of the feeders were heat—insulated; above the passage wall a dinas wall of 100 mm thickness, which was provided with 2 small

Card 1/2

Experience Gathered in Factories. 72_1_9/13
Full Separation of the Gas Chamber of Flowing-Through Furnaces.

CONTRACTOR SENTENCES OF ASSAULTS

openings for a possible heat regulation was erected. The better separation of furnace gases, which was attained in this way, snowed good results; the average daily output of balloons increased according to data given for 12 months and with conditions remaining equal, to 1529, which means an increase of by more than 6000 balloons, while waste material decreased down to 12-15 %. After a further reinforcement of the blind wall to 500 mm, the daily output increased to 17470. This experience was utilized successfully also for increased from 47.000 to 52.500. In the course of recent years good American factories (reference 1).

There is 1 figure.

ASSOCIATION: Baku Glass Container Factory (Bakinskiy steklotarnyy zavod).

AVAILABLE: Library of Congress.

Card 2/2

Lennado Indigos en al Dalide, de la costa en en a

Office, A.N.

AUTHOR:

Orlov, A.N.

7 -1-11/xc

TITLE:

A Mechanical Conveyor for Glass Containers (Mekhanicheskiy perestavitel' stekl.tary).

PERIODICAL:

Steklo i Keramika, 1956

Nr 2, pp. 29-30 (USSR)

ABSTRACT:

In many glassworks the naterial is loaded on to the transport care by hand for burning. The automatic conveyers of the type $|\cdot| = -2$ introduced in 1941 were found to be complicated in operation and not economical. I.A. Vlasov, engineer of the Tiraspol' glassworks, recommended and developed an automatic conveyer for the automatic loading of products destined for burning, the scheme of which is shown by an illustration. It is driven by the automatic glass forming device TBM over a vertical shaft and bevel gears. The construction and mode of operation of this device are described in detail. On a horizontal shaft levers and push rods are helically fastened. The push rods are fitted with Klingerite profile rolls, by means of which the glass products are pushed on to the net of the transport car. Vlasov conveyers were found to give satisfactory results in operation, and at present they are being used with success in all technological fields. The advantages offered by this device are

Card 1/2

A Mechanical Conveyor for Glass Containers

72-2-11/20

its small size, simple construction, reliability, low costs of production, and easy operation. There is 1 figure.

ASSOCIATION: Tiraspol' Glass Container Works (Tiraspol'skiy steklotarnyy zavod).

AVAILABLE: Library of Congress

Card 2/2

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

AUTHOR: - Orlow, N.

SOV/72-58-11-15, 15

TITLE:

The Use of a Colloidal Graphite Lubricant for Glass-Forming Machines (Primeneniye kolloidno-grafitovoy smazki dlya

stekloformuyushchikh mashin)

n skriver menere greeker met i die driek greeke breek in 1990. De

PERIODICAL:

Steklo i keramika, 1958, Nr 11, pp 46-48 (USSR)

ABSTRACT:

This lubricant was developed in 1946 in the Institut stekla (Glass Institute) by Professor O. K. Potvinkin and V. T. Marinina. It was first introduced into the Ordzhonikidzevskiy mekhanizirovannyy steklotarnyy zavod (Ordzhonikidze Mechanized Glass Container Factory) in 1956. The graphite starting material consists of an oil preparation with the trade mark MS of the Voskresenskiy khimkombinat (Voskresensk Chemical Kombinat). The preparation and application of this lubricant is described in detail. The finished lubricant is stored in a hermetically sealed container and constantly stirred by an electrically-driven propeller (Fig 1). After removing the fat from the compression molds the graphite lubricant, as is shown in figures 2 and 3, is applied using a julverizor of the trade mark 0-19. In the Ordzhonikidze Glass Factory this lubricant has been found to be very good, and the pro-

Card 1/2

SOV/72-58-11-15/15

The Use of a Colloidal Graphite Lubricant for Glass-Forming Machines

duction of glass containers has increased while the rejection quota has markedly diminished. The molds are 30 % more stable and the working conditions of the workers have improved, since considerably less vapor is given off by the burning oil. At the end of the year 1956 this lubricant was introduced into the Kamyshinskiy steklotarnyy zavod

(Kamyshinskiy Glass Container Factory) with good success.

There are 3 figures.

ASSOCIATION: Ordzhonikidzevskiy steklotarnyy zavod (Ordzhonikidze Glass Container Factory)

Card 2/2USCOMM-DC-60,866

15(2)

SOV/72-59-6-10/18

AUTHOR:

Orlov, A. N.

TITLE:

Uncooled Flat Arches of Charging Chambers of Tank Furnaces (Neokhlazhdayemyye ploskiye arki zagruzochnykh karmanov vannykh

pechey)

PERIODICAL: Steklo i keramika, 1959, Nr 6, pp 42 - 43 (USSR)

ABSTRACT:

At the Kamyshinskiy steklotarnyy zavod (Kamyshin Factory for Glass-vessels) the tank furnaces of a melting surface of 108 m approximately are fitted out with a charging chamber 4100 mm wide. The furnace is charged by means of a mechanical table. The slit between the arch and the frit level is more than 150 mm wide. In order to protect the charger and the refractory bricks from the furnace flames, a water-cooled metallic slider was installed over the chamber, which costs more than 10000 rubles a year. Upon suggestion of S. F. Taranov, Chief Engineer of the Factory, the flat arches of the charging chambers were reconstructed in such a manner that the maximum slit width did not exceed 80 mm, which permits operation without a water-cooled slider. These flat arches were put into operation in 1956 and

Card 1/2

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

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

Uncooled Plat Arches of Charging Chambers of Tank Furnaces SOV/72-59-6-10/18 have stood the test. There is 1 figure.

an experimentation interpolation from the following

ASSOCIATION: Kamyshinskiy steklotarnyy zavod (Kamyshin Factory for Glass-vessels)

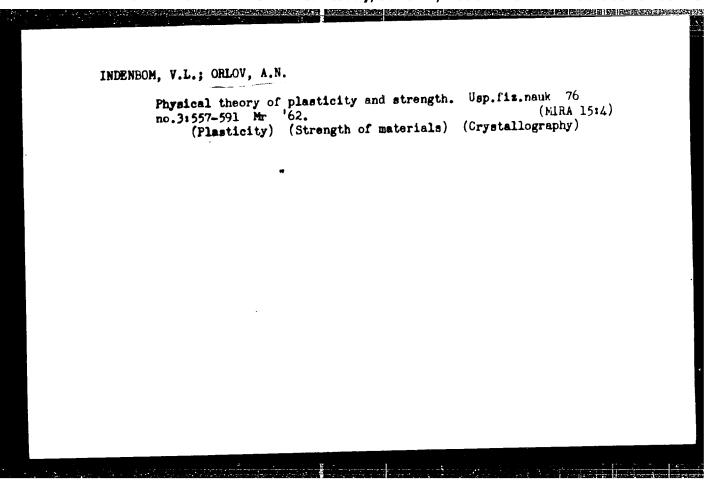
Card 2/2

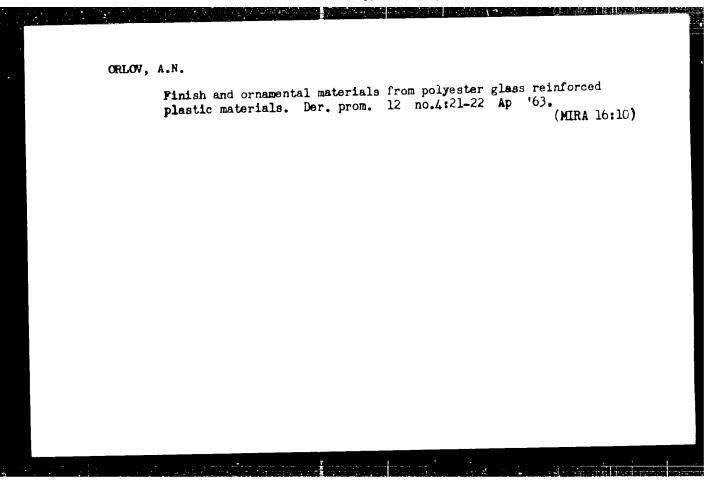
APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

dina pada ang sangarang pinanahan ang ping filipinana ing Ping

VEYNBERG, Kal'man Lipmanovich; GURFINKEL', Isaak Yevgen'yevich[deceased];
KOTIYAR, Abrem Yevseyevich; NOL'KEN, Maksimilian Petrovich;
ORLOV, Anatoliy Nikolayevich; KHERSONSKIY, Sergey Semenovich;
SHKOL'NIKOV, Yakov Abramovich; BROMLEY, P.V., retsenzent;
ZALIZNYAK, A.A., retsenzent; KISELEV, N.V., retsenzent; KIEGG,
D.I., retsenzent; SHVAGIREV, Ya.D., retsenzent; DUKHOVNYY, F.N.,
red.; TRISHINA, L.A., tekhn. red.

[Equipment and mechanization of glass factories]Oborudovanie i mekhanizatsiia stekol'nykh zavodov. [By] K.L.Veinberg i dr. Moskva, Rostekhizdat, 1962. 451 p. diagrs. (MIRA 15:10) (Glass—Equipment and supplies)



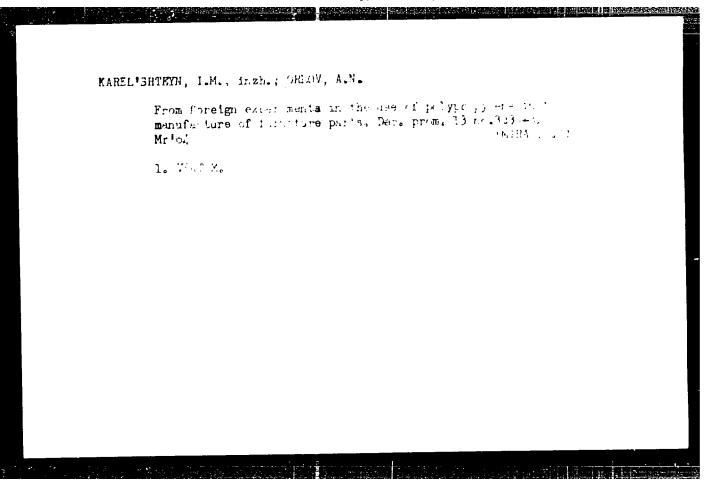


ORLOV, A.N.

Bodies of chairs and armchairs from glass reinforced plastic materials. Der. prom. 12 no.6:20-21 Je '63. (MIRA lo:10)

1. TSentral'moye proyektno-konstruktorskoye byumo po mebeli.

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



ACC NR:	SOURCE CODE: UR/0181/66/008/003/0832/08	11
AUTHOR:	Orlov, A. N. 36	
ORG: Pi (Piziko-	ysicotechnical Institute im. A. F. Ioffe AN SSSR, Leningrad tekhnicheskiy institut AN SSSR)	
TITLE; de Correct	Contribution to the theory of the initial stage of plastic ion of crystals Fighta tverdogo tela, v. 8, no. 3, 1966, 832-841	
TOPIC TA	QS: crystal deformation, plastic deformation, crystal ion phenomenon	
stage of evolution that the tions ca on the t	The author constructs a quantitative theory of the initial plastic deformation based on the concrete model of the n of the dislocation structure of a crystal. It is assumed temperature is low enough that the climbing of the dislocan be neglected, meaning that the deformation does not depend emperature or the velocity. During the initial stage the contains a certain initial number of Frank-Read sources of	• ;

L 21574-66

ACC NR: AP6009670

dislocations, but no further increase in the number of sources occurs during the deformation. Under these conditions the stress gives rise to dislocation dipoles and flat dipole clusters, upon being stopped by neighboring planes of unlike dislocations, or upon reacting with dislocations from other slip systems, or upon encountering barriers. The stopping of the dislocations causes blocking of the sources, and with increasing stress the blocked sources resume operation, activate new sources, make the clusters of dislocations and dipoles denser, and result in dipole clusters of greater length. The author calculates the dependence of the dislocation density and the magnitude of the plastic deformation on the stress in the region preceding the easy-slipping stage. The conditions under which easy slipping occurs are determined. The value of the stress at which the first clusters of dipoles pass through the entire crystal is determined, when the theoretical values of the dislocation density and of the plastic deformation is much smaller than observed experimentally during the initial slipping stage. The probable reason for differences between experiment and theory is that the number of sources during the initial stages is larger than that assumed in the calculations. Orig. art. has: 5 figures and 29 formulas. SUB CODE: 20/ SUBM DATE: 28Jul65/ ORIG REF: 002/ OTH REF! 013

ORLOV, A.F., kand.tekhn.nauk; VOLKOV, V.P., inzh.

New norms of specific resistances for the design and construction of classification humps. Zhel.dor.transp. 45 no.6:50-52 Je *64. (MIRA 18*1)

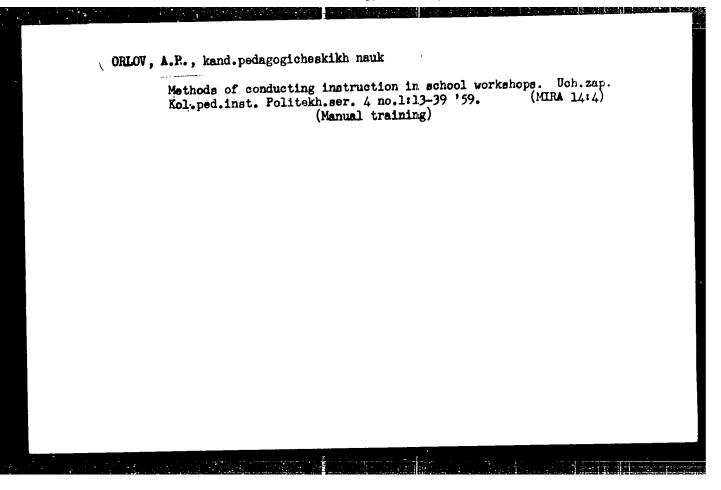
"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORTON	, A. P.	
Vollaro	Industrial Technology as one of the Tasks of Polytechale Training." Academy of Pedagogical Uniences SUPUR. Institute of the Theory and History of ledgrange. Loccow, 1983. (Discertation for the Degree of Candidate in Pedagogical Science.)	
.a.;	Enizhaga Letonio! No 3, 1 st	

The teaching of electric engineering in pedagogical institutes in the light of new tasks in technical education. Politekh.

obuch.no.12:70-72 D '57.

(Teachers, Training of) (Electric engineering—Study and teaching)



Concerning the pollution of undergy and water-supply sources by industrial sewage. Vod.i san.tel.. no.2:35 F '60.

(Woronezh--Water--Pollution)

i di pertuan di selekto <mark>k</mark>anda tang kalaman, di kanalan di sebagai dan k

ORLOV, A.P.; ERENER, A.S. (Krym, Alupka)

Value of some laboratory investigations in the diagnosis of cancer.
Vrach. delo no.8:137 Ag '60. (MIRA 13:9)

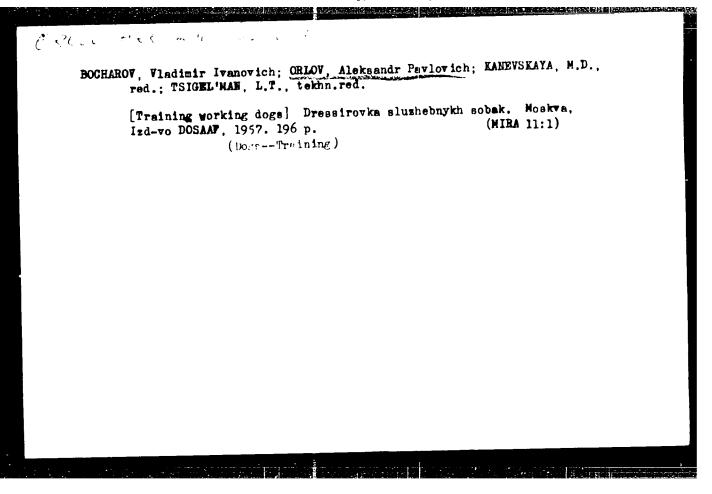
1. Sanatoriy "Gornoye Solntse".
(CANCER) (MEDICAL TESTS)

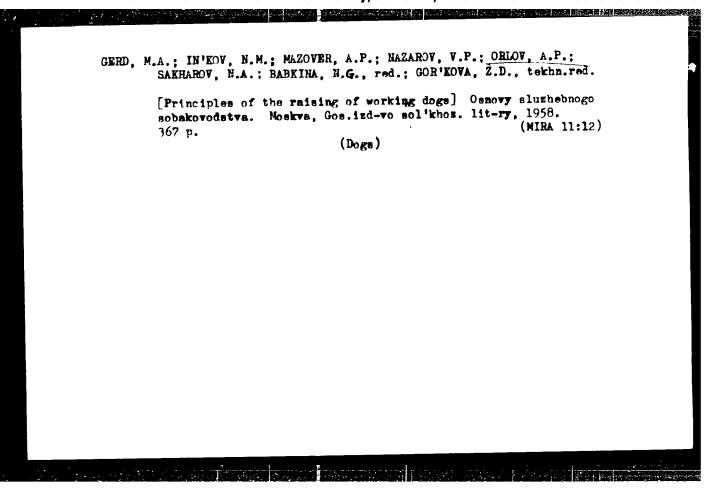
EMISHIBSKIY, L.V., doktor biologicheskikh nauk; MERKUR'YEVA, Ye.K., kandidat sel'skokhosysystvennykh nauk; IZRAILEVICH, I.Ye., kandidat veterinarnykh nauk; IL'ISSKIY, S.A., veterinarnyy vrach; IH'KOV, N.M., veterinarnyy vrach; STOGOV, K.S., veterinarnyy vrach; CRIOV, M.M., veterinarnyy vrach; MAZOWER, A.P., veterinarnyy vrach; CRIOV, A.P., veterinarnyy vrach; SAEHAROV, E.A., veterinarnyy vrach; DIKAMEV, P.I., redsktor; MUSHMAKOVA, L., tekhnicheskiy redsktor

[The working dog; manual for training specialists in reising work dogs] Slumbebnais sobem; rukovodstvo po podgotovke spetialistov slumbebnogo sobakovodstva. Moskva, Gos. izd-vo selkhoz, lit-ry, 1952. 616 p.

(Dogs-Training)

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





LUZHKOV, F.M.; NAZAHOV, V.P.; NEMTSOV, K.Ye.; ORLOV, A.P.; POLTAVETS,
I.S.; SHAR, Yu.I.; KANEVSKAYA, M.D., red.; MIKHLINA, L.T.,
tekhn. red.

[Keeping and training working dogs] Sodershanie i dressirovka sluzhebnykh sobak. Moskva, Izd-vo DOSAAF, 1963. 227 p.
(MIRA 16:7)

(Dogs--Training)

ORLOV, A.P., kand.tekhn.nsuk; NIKOLAYEV, N.S., inzh.; KARYUKIN, S.Ye., inzh.

Rlectronic analog computers for designing hympyards. Zhel.dor.
transp. 41 no.8:55-56 Ag *59. (MIRA 12:12)
(Electronic analog computers)
(Railroads--Hump yards)

ORLOV, Anatoliv Petrovich, kand. tekhn.nauk; KORNAKOV, A.M., red.;

MEDVEDEVA, M.A., tekhn. red.

[Machines and mechanisms for switching movements of cars] Kashiny i mekhanizmy dila manevrovykh peredvizhenii vagonov. Moskva, Vses.izdatel'sko-poligr. obredinenie K-va putei soobshchenia, 1960. 113 p. (MIRA 15:3)

(Railroads—Equipment and supplies)

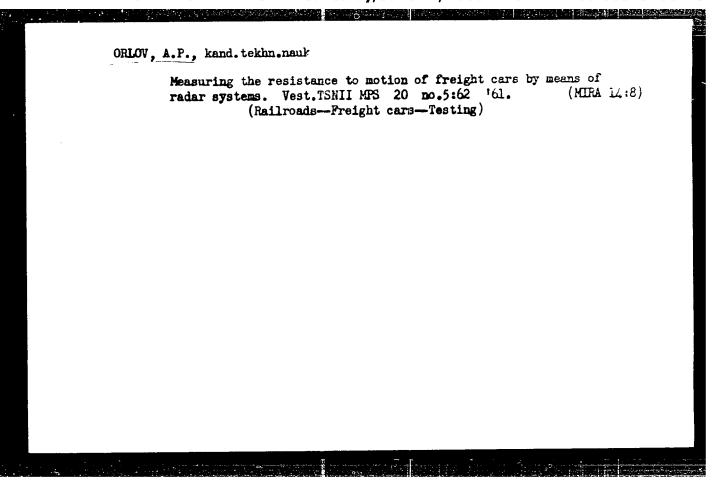
(Railroads—Switching)

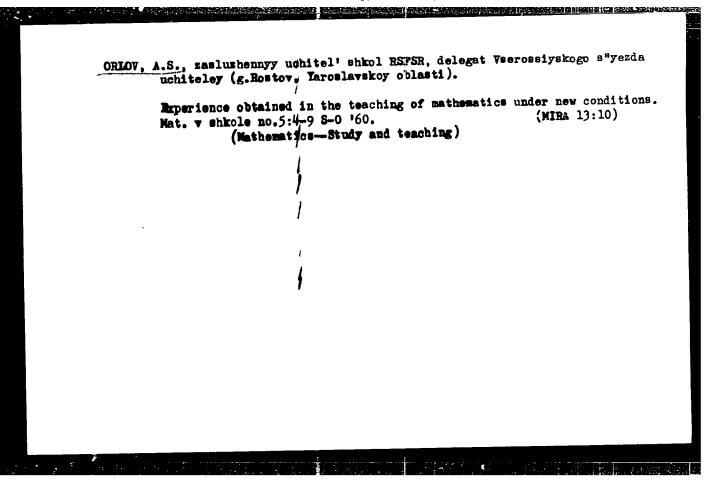
ORLOV, A.P., insh.

Fast-acting electronic instruments for investigating the magnitudes of basic specific resistance of cars to

rolling. Vest. TSNII MPS 19 no.5:61-62 '60.
(MIRA 13:8)

(Railroads-Hump yards) (Railroads-Electric equipment)





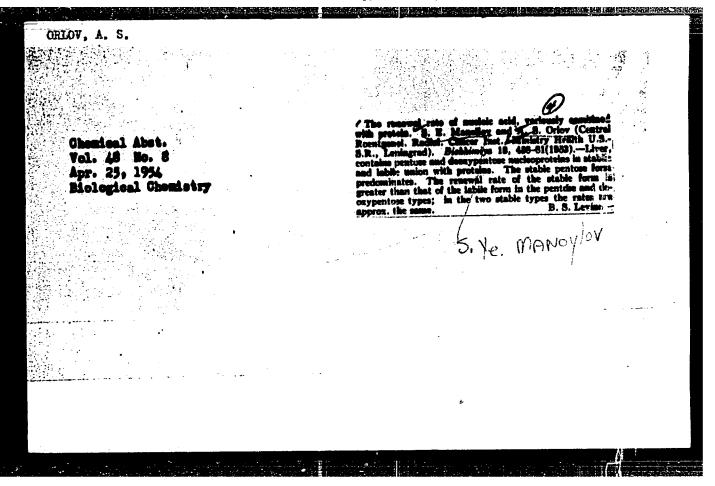
ORLOW, A.S., inzh.; LUK'YANOW, K.I., inzh.; KOZHEVNIKOW, Yu.M., inzh.

Organization of preparatory work in the assembly of the elements of a blast furnace at the Western Siberian Metallurgical Plant. Prom. stroi. 41 no.2:13-17 F '63.

(MIRA 16:3)

(Blast furnaces)

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



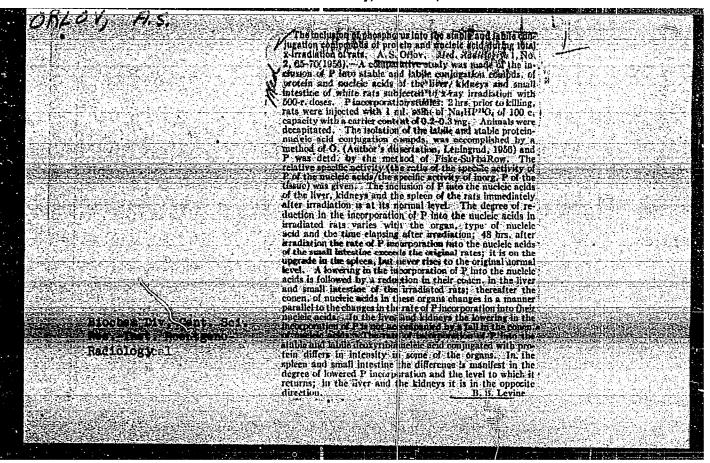
in in the property of the prop

ORLOV, A. J.

ORLIV, A. S. -- "The Inclusion of Phosed rus in Nucleic Acids, Stably and Labilely Combined with Protein, in White Rate under General X-Ray Irradiation." Central Sci Res Roentgenological-Radiological Inst, Min Health USSR. Laningrad, 1955. (Dissertation for the Degree of Candidate in Biological Sciences)

50: Knizhraya Letopis', No 1, 1456, pp 102-122, 124

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



ORLOV, A.S.

Inclusion of phosphorus in nucleic acids of the organs following lethal-dose x-irradiation of rats [with summary in English]. Med. rad. 3 no.4:16-21 J1-Ag '58. (MIRA 12:3)

1. Iz biokhimicheskogo otdela (zav. - prof. S.Ye. Manoylov) TSentral'nogo nauchno issledovatel'skogo rentgeno-radiologicheskogo instituta.

(PHOSPHORUS, metabolism,
eff. of x-ray lethal irradiation in rats (Rus))
(NUCLEIC ACIDS, metabolism,
same)
(ROWNTGEN RAYS, effects,
lethal dose, eff. on nucleic acid & phosphorus
metab. in rats (Rus))

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DEE'MURHAMEDOV, S.R., ORLOV, A.S.

Acute retention of urine caused by ureterocele. Urologias 23 no.3:61 My-Je '58 (MEA 11:6)

1. Is urologicheskogo otdeleniya (nach. S.R. Den'mukhamedov) Leningradskogo okruzhnogo voyennogo gospitalya (nach. W.S. Sokolov). (URINES, shorm.

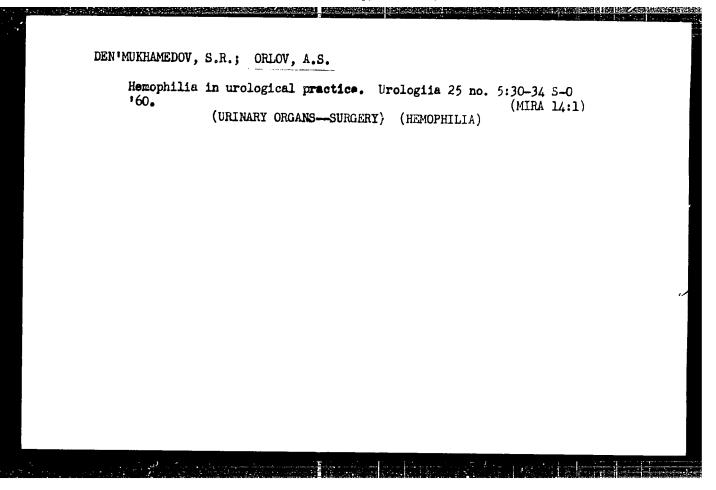
ureterocele causing acute urinary retention (Rus))

(URINATION DISORDERS, etiol. & pathogen.

ureterocele causing acute retention (Rus))
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Aleman e gazzerbeigh steinte Machinesti de Gobier da
MANOYLOV, S.Ye., ORLOV, A.S.
        Method of separating mucleic acids variously bound with proteins
        in animal tissues [with summery in English]. Biokhimiia 23 no.5:
        663-668 S-0 158
                                                              (MIRA 11:11)
        1. Biokhimicheskiy otdel TSentral'nogo nauchno-issledovatel'skogo
        rentgeno-radiologicheskogo instituta Ministerstva zdravockhraneniya
        SSSR, Leningrad.
                  (NUCLEIC ACIDS, determ.
                       separation of acids various bound with proteins in
                       animal tissue (Rus))
                  (PROTEINS,
                       nucleic acid bound, separation from animal tissue
                       (Rus))
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ORLOV, A.S.; ORLOVA, Ye.I.

Simple method for the quantitative determination of desoxyribomucleic acid in animal tissues. Biokhimia 26 no.5:834-83° S-0 '61.

(MIRA 14:12)

1. Central Research Institute of Medical Radiology, Leningrad.

(NUCLEIC ACIDS)

ORLOV, A.S.; ORLOVA, Ye.1.

DNA content and bicsynthesis in mouse tissues following repeated X-ray irradiation. Fadicbiologiia 4 no.4:498-502 fol...

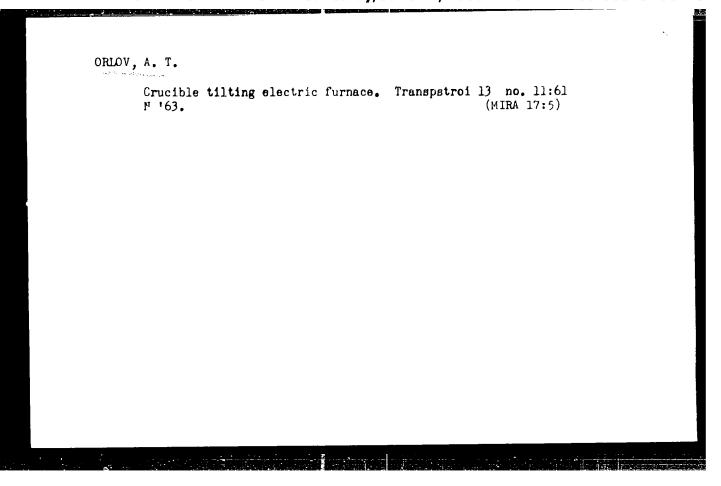
(MISA THIS I. I. Institut radiatsionnoy giglyony Ministerstva zdravookhraneniya RSFSR i TSentral'nyy institut moditainskoy radiologii Milisterst a zdravookhraneniya SSSR, isningrad.

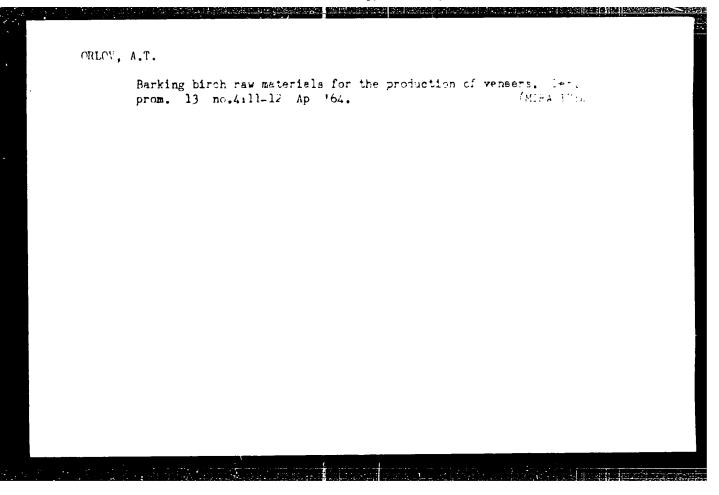
ORLOV, A.S.

Metabolism of phosphorus compounds in the small intestine of mice following starvation and repeated irradiation. Radio-biologiia 5 no.4:528-532 465. (MIRA 18:9)

l. Institut radiatsionnoy gigiyeny Ministerstva zdravookhraneniya RSFSR, Leningrad.

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1965, 8
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lecting specimens of
lecting specimens of mains a rotary soil- carrying cable. To
mtains a rotary soil- carrying cable. To (which may be made of ame carries a lever,





Carried Acres

Name: ORLOV, A. V.

Dissertation: Changes in the quality of milk in the process of milking

cows by various methods

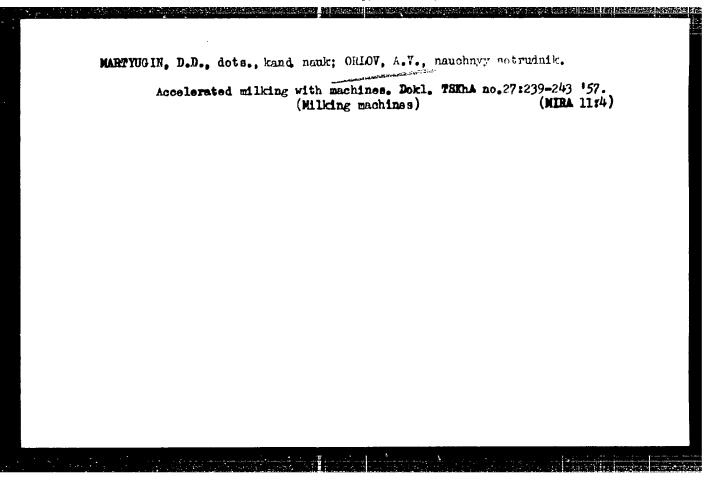
Degree: Cand Agr Sci

Moscow Order of Lenin Agricultural Acad imeni K. A.

Timiryazev

Pesense Date, Place: 1956, Moscow

Source: Knizhnaya Letopis', No 47, 1956



USSR / Farm Animals! Cattle.

Q

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7310

Author : Orlov, A. V.

Inst : Moscow Academy of Agriculture imeni K. A.

Timiryazev

Title : Changes of Milk Quality in the Process of

Milking Cows by Various Methods

Orig Pub : Dokl. Mosk. s.-kh. akad. im. K. A. Timiryazeva,

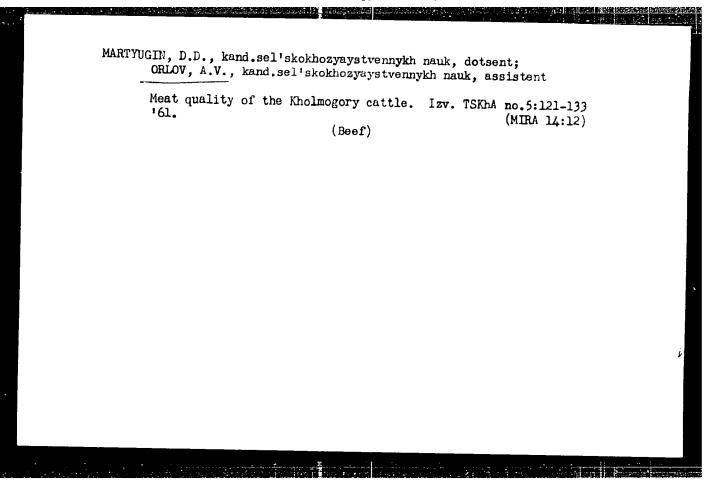
1957, vyp. 30, ch. 2, 165-170

Abstract : In the process of milking cows with a 3-

stroke machine, samples were taken by two and four hands (simultaneously by two milking girls) from separate milk fractions obtained every 2 minutes. It was established that in all milking methods the rapidity with which milk is given is the greater the larger the

Card 1/2

47



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ORLOV, Anatoliy Vasil'yevich, traktorist; ANIKEYEV, Ye., red.

[Ine tractor will not be ible in the field] Traktor v borozie ne ricit. Smolensk, bmolenskoe knizhnoe iba-vo, 1903. 10 p. (MIRA 17;7)

1. Sowkhoz "mruzhoa" Sznatskopo proizv dstvennogo upravlenija (f.r.(misv).
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ORLOV, A.V., dotsent, kand. sel'skokhoz. nauk

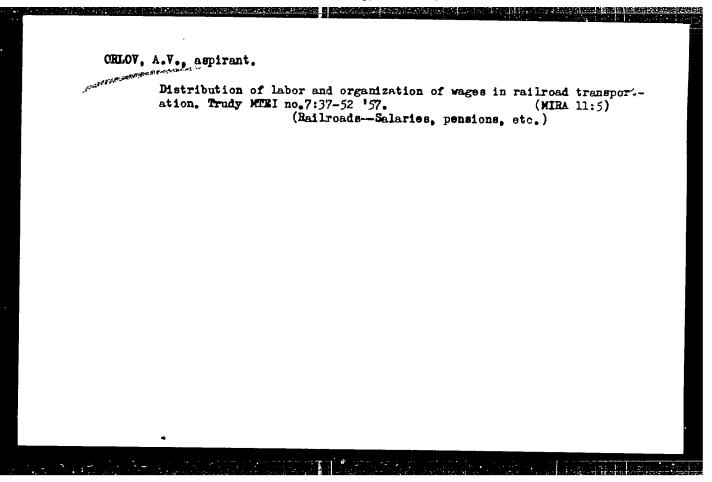
Change in the protein value of meat in young Kholmogory cattle as related to age and feeding. Izv. TSKHA no.4:167-176 164.

(MIRA 17:11)

1. Kafedra razvedeniya sel'skokhozyaystvennykh zhivotnykh Sel'skokhozyaystvennoy akademii imeni Timiryazeva.

POLYAKOV, I.I., prof., doktor biol. nauk; BARANOVA, K.V., dots., kand sel'khoz. nauk; KAZANTSEV, F.M., dots., kand. sel'khoz. nauk; ORLOV, A.V., dots., kand. sel'khoz. nauk; BABKINA, N.G., red.

[Practical course in animal husbandry] Praktikum po zhivotnovodstvu. Moskva, Kolos, 1965. 222 p. (MIRA 18:7)



ORLOV, A.V.

This shortcoming should be eliminated. Avtom., telem.i sviaz' 4 no.4:39 Ap '60. (MIRA 13:6)

1. Starshiy elektromekhanik Povorinskoy distantsii signalizatsii i svyazi Yugo-Vostochnoy dorogi.
(Railroads--Switches)

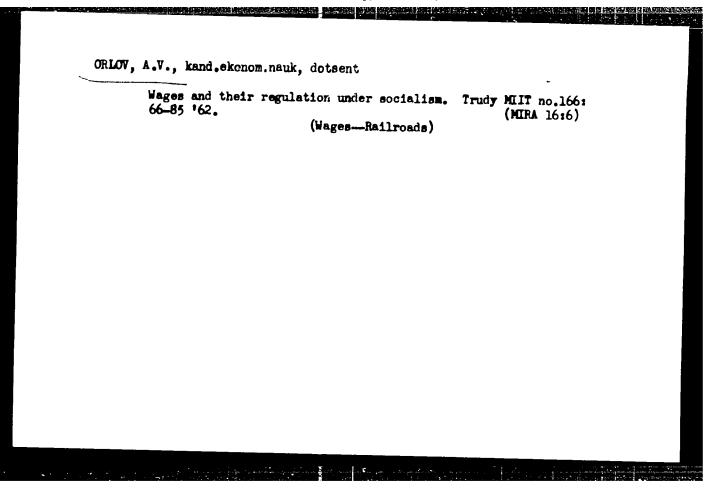
(Wage systems)

ORLOV, A.V., kand.ekonomicheskikh nauk

Sharing in accordance with labor and regulating wages in railroad transportation. Trudy MIIT no.136:85-94 '61. (MIRA 15:1)

(Railraods—Salaries, pensions, etc.)

en version de la company d



KOMARNITSKIY, Yu.A.; ORLOY, A.V.; SUBBOTIN, A.S.; EERNDT, N.V., retsenzent; KOLTUNOVA, M.P., red.; VOROTNIKOVA, L.F., tekhn. red.

[Potentials for increasing labor productivity on railroads]
Rezerty rosts proizvoditel'nosti truda na zheleznykh dorogakh. Moskva, Transzheldorizdat, 1963. 152 p.

(MIRA 16.5)

(Railroads--Labor productivity)

(RL)V, A.V., kand.ekonom.nauk

Profit and the material stimulation of railroad workers. Zhel.dor.
transp. 47 no.4:70-73 Ap 165.

(MIRA 1816)

ORLOV, A. V. "Infection problems in the work of the creative scientific genius Mikolay Ivanovich Pirogov," Voen.-med. zhurn., 1948, No. 12, p. 38-46

So: U-2888, Letopis Zhurnal'mykh Statey, No. 1, 1949

Dec 51	reezing) in A. V. Orlov,		exptl data which the method of slow warming in temp. Ad- and hot drinks and hot drinks tration of glucose ignificance of	203T75	Dec 51	intoxication, and ation in humans in freezing and cause cortical by it. Rejects ies. According to warming up in sobolic intoxicatis more rapid and	203175	
USER/Medicine - Preszing	"Active Therapy of General Cooling (Freezing) in the Light of Clinical Observations," A. V. Orlow, Cand Wed Sci	"Kin Med" Vol XXIX, No 12, pp 28-36	Describes extensive clinical and exptl data which are interpreted in the sense that the method of slow warming is harmful, because slow warming actually leads to a further drop in temp. Advocates rapid warming (not baths and hot drinks combined with parenteral administration of glucosend adrenalin). Points out the significance of		USSR/Medicine - Freezing (Contd)	encephalization of thermal regulation in humans (as distinguished from animals) in freezing and its therapy. Ale is harmful, because cortical regulation of temp is impaired by it. Rejects entirely ale and CaCl2 as remedies. According author's data, original rate of warming up in patients suffering from both alcoholic intoxication and exposure to low temps is more rapid an sustained, however.		Э н с у, к. у.

(MILRA 8:12)

ORLOV, A.V., kandidat meditsinskikh nauk (Dudinka)

Botkin's law of the undulant development of the infectious process
and pathogenesis of Botkin's disease. Klin.med.33 no.6:83-84 Je '55.

(HEPATITIS, INFECTIOUS

Botkin's law of undulent development)

USSR/Microbiology - Microorganisms Pathogenic to

F-3

Humans and Animals

Abs Jour: Ref Zhur - Biol., No 18, 1958, 81482

: Orlov, A.V. Author

Inst

: A New Serological Reaction -- Haptocholic Title

Flocculation on Glass

Orig Pub: Voen.-med. zh., 1957, No. 7, 48-53

The reaction of so-called "indirect agglutiona-Abstract:

tion" of erythrocytes saturated with hapten, a specific serum, was suggested for purposes of express-analysis by Kravchenko and Sokolov in 1944-1945. This reaction, while highly sensitive and specific, has a number of shortcomings, which prompted the author to use another adsorbent for bacterial haptens, namely: cholesterin,

Card 1/3

USER/Microbiology - Microorganisms Pathogenic to F-3
Humans and Animals

Abs Jour: Ref Zhur - Biol., No 18, 1958, 81482

which, not being an antigen, cannot affect the serological specificity of the reaction. Its role, according to Igol's theory, is reduced to formation of "nuclei" on the surface of which haptens are adsorbed. Experiments of a similar arrangement of "haptocholic flocculation reaction" on glass (as designated by the author) and the Kravchenko-Sokolov reaction with haptens of pure stock cultures showed an equal sensitivity; at low serum titers, the "haptocholic reaction" was even more sensitive -- by 1.5-2 times. In experiments with a mixture of 3 cultures (Gertner's paratyphus bacteria, Flexner dysentery, and a live antipestis vaccine "1, 17"), the "haptocholic reaction" proved to be considerably more sensitive,

Card 2/3

29

SOV/127-58-9-13/51

AUTHOR:

(

Orlov, A.V., Lieutenant-Colonel of the Medical Corps, Candidate of Medical Sciences

TITLE:

An Improved Method of the Haptocholic Flocoulation

Reaction with the Application of Membranous Uttrafilters

PERIODICAL:

Voyenno-meditsinskip zhurn 1, 1958, Nr 9, 11 44-43

(USSR)

ABSTRACT:

The improvement of the method of haptochelis floatur lation reaction is based on the following liver the data: 1) The method of concentrating the material to be investigated by ultrafiltration through a membranous filter (A.J. Rasunov and K.K. Barrest it. following solution of the filter in an alkali selium and multaneous extraction of polysac harate A.T. Krovehorko); 2) the method of obtaining chalest rin hydropols and the results of studying their physics chemical properties (Porges and Meybour r.tor.

Card 1/3

etc); 3) the possibility of utilizing him a limitary preparations (collodion) as an adsorbent for an ignac

SOV/177-1 - - 17/11

An Improved Method of the Haptocholic Flocculation against the Application of Membranous Ultrafilters

and haptenes in developical reactions (does, does). Ya.A. Komarnitually, N.V. Kholchev, etc.). The house modification of the method of preparing high holic antigens is bosed on utilizing the fact that the solic stance of the dissolved membranous filter which proceeding the solution adsorbs the polysaccharie process in the solution adsorbs the polysaccharie process in the solution. The modification makes it possible to reach a suden concentration increase of the solution tracted polysaccharide not only due to the solution tracted polysaccharide not only due to the solution of the basic material by ultrafiltration, has also due to a more and lete assorption and solumentation of the charged particles of the absorbent on the central fugation. The polysaccharide encentrated in this way is subjected to alkaliz tion and cholchesting the persion of chells form that forms together the persion of chells form that forms together the a reacting antigon complex. Simultaneously, the

Card 2/3

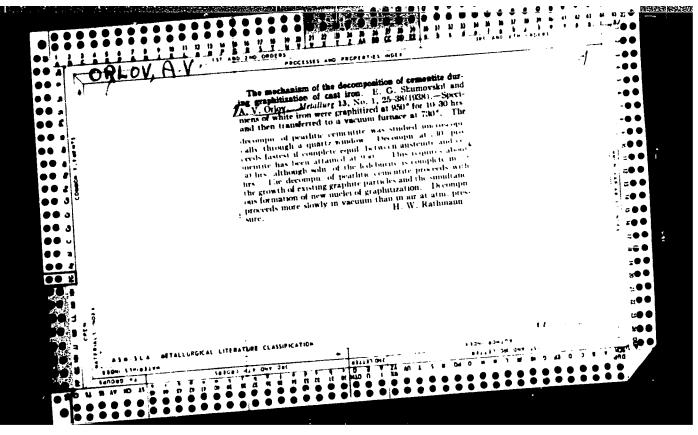
30V/1.77-5 -9-15/91

An Improved Method of the Haptocherra Placentation Reaction with the Application of Membrancus Ultrafilters

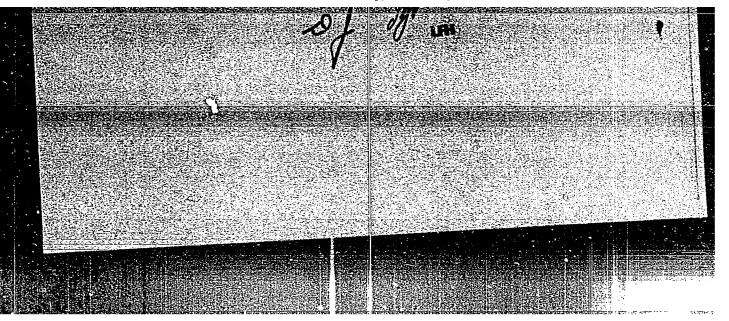
ALTONOMIA NO SERVICIO DE LA CONTRACTOR D

dissolved substance of the filter derved and relective colloid, which stabilizes the suspension of characterin. The alkaline reaction imported to the haptecholic antigen helps to prevent a non-specific coard tion (spontaneous flocculation) of the cholesterin from the suspension. There is a set of limital and a Soviet reference.

Card 3/3



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



137-58-4-7123

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 117 (USSR)

Orlov, A. V. AUTHOR:

Roll-forging of Blanks for Forming Truckdrivers' Tool Kit Forg-TITLE:

ings (Val'tsovka zagotovok dlya shtampovki pokovok shoferskogo

instrumenta)

Tekhnol. avtomobilestroyeniya, 1957, Nr 5, pp 44-52 PERIODICAL:

The advantages of forming blanks on forging rolls as against ABSTRACT:

forging in presses and in drop-hammers are examined. Examples of techniques for making certain forgings, and data of the NIITAvtoprom pertaining to calculation of forward slip and springing for

the shaping of grooves on forging rolls are presented.

Ye L

1. Rolling mills--Forging--Processes

Card 1/1

1.57/182579-2-5/34

AUTHOR:

Orlov, A.V., angineer

TITIE:

Increasing the Load Carrying Capacity of Cautilever

Gear Transmissions (Polysbeniye nagruzochnow sposobnosti

konsolinykh zubchatykh perelakh)

PERIODICAL: Vestnik Mashinostroyeniya 1959, Nr 2, pp 19.16 (pl.k)

ABSTRACT:

In a gear train with overhung gear and pinion, the deflections of the shaft lause corner loading. The teeth must be stressed at their point of maximum loading To use their full carrying capacity, a longitudinal correction by barrelling has been siggested. A method simpler in manufacture is proposed in the present article. After determining the snewing angle, the profile of one of the gear wheels is ground at whis angle which is achieved by simple turning of the grinding wheel carriage in the gear grinding machine by the required angle A numerical example illustrate: the conditions in their hung gear trains. Photographs show the comparison of correctly and incorrectly ground gears there are a figures and 2 references of which I is known and i miglish.

Card 1/1

10V/133-50-4-25/32

rrishevskiy, I.D., Candidate of Pecanical Sciences; AUTIONU:

Elepanda, V.V., Engineer, and Orlov, A.V.

Inserts of high Durability for Guides of Rod hills TITIM:

(Vysokostoykiye vstavki dlya propuskov provolochnykh

stanov)

PERT OD ICAL: Stal', 1959, Hr 4, pp 342-344 (USLR)

In a number of cases the application of roller passes on continuous rod mills presents some design dif `iculties, therefore in such cases it is necessary to utilize high ABSTRACT:

durability friction passes. Juracteristic data on the durability of passes on rod mills 250 used on the magnitogorsk and Makeyevka Works is shown in table 1. The Ukrainian Institute of Letals carried out an investigation on the possibility of increasing the durability of passes. The experimental work was carried

out on the Makeyevka works during the rolling of rods 6.5 mm in diameter. Inserts made from chromium and boron steels (Fig. 1) were tested. The results obtained are shown in table 2. It was found that the

durability of passes with steel inserts with caronium steel

Card 1/2 working surface was on average 57 hours of continuous

V/153-59-4-15/32

Inserts of high surability for believe of hor wills

work which is 7 times higher than that of one and passes made from prejected iron. The dampathon of assess with steel inserts with boron steel working surface was on average 100 hours of continuous word, i.e. 13.5 times higher than the durability of the assestables. Details on the chromium and boron attect inserts used for the investigation are given. There are 4 figures and 2 tables.

ABBOUTATION: Extrinskiy N.-I. Institut Metallov (Extrinium Scientific Research Institute of Metals)

Card 2/2

ORIOV, A.V., aspirant

Dynamic loads in gear transmissions. Izv.vys.ucheb.zav.; mashinostr. no.6:110-114 '59. (MIRA 13:5)

1. Moskovskoye vyssheye tekhniche skoye uchilishche imeni N.B. Baumana i Institut mashinovedeniya AN SSSR. (Gearing)

ORLOV, A.V., inzh.

Increasing the carrying capacity of bracket gears. Vest. mash. 39 (MIRA 12:3) no.2:18-19 F '59.

(Gearing)

ORLOV, A.V.; VIZUN, Yu.I., otv. red.

[Description and instructions for operating the "S-1" stand for impulse testing ferrite cores] Opisanie i instruktsiia po ekspluatatsii standa "S-1" dlia proverki ferritovykh serdechnikov v impul'snom rezhime. 2 izd. Moskva, 1960. 37 p. (MIRA 16:3)

1. Akademiya nauk SSSR. Institut tochnoy mekhaniki i vychislitel'noy tekhniki. (Cores (Electricity))--Testing)

5/179/60/000/006/034/036 E081/E135

Orlov, A.V., and Pinegin, S.V., (Moscow) **AUTHORS:**

Experimental Investigation of Micro-Displacements in TITLE:

the Contact Region of Elastic Bodies and the Strength

of the Surface Layer

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Mekhanika i mashinostroyeniye, 1960, No. 6,

pp. 172-175

The paper is a continuation of previous work (Ref.2). The nature of the primary fatigue fracture of components in contact under reversed static or pulsating load, and also the work hardening with rollers of components under load is determined by the stresses and strains in the extreme surface layer of the The paper gives some results of experimental investigations of displacements and strains in the contact region at the extreme surface layer, using tensometry under static load, and with slow rolling under load. To avoid the difficulty of high stress and strain gradients, and to enlarge the area of the contact plane, the specimens were of hard steel with surfaces of Card 1/8

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

S/179/60/000/006/034/036 E081/1135

Experimental Investigation of Micro-Displacements in the Contact Region of Elastic Bodies and the Strength of the Surface Layer small curvature, compressed by high loads. Thus on compressing a sphere of diameter 20.3 cm on a plane with a load of 15 000 kg the diameter of the contact plane was about 9.4 mm under the maximum calculated stress of 34 000 kg/cm² at the centre of the Three types of tensometers were used: a ring type, a multi-winding type and a tensile type. The basic object of the experiments was the measurement of radial displacement on compression and, in addition, the relative tangential extension was also measured. Cylindrical coordinates r, t, z are taken; u_r is the radial displacement; ϵ_r is the relative radial extension; σ_r is the normal radial stress; a is the radius of contact; ϵ_t , ϵ_z are residual strain components; σ_t , σ_z are residual stress components; P is the compressive force (kg); μ is Poisson's ratio; E is Young's modulus; r is the radius of the sphere, & is the gauge length. The approximate equation:

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Card 2/8

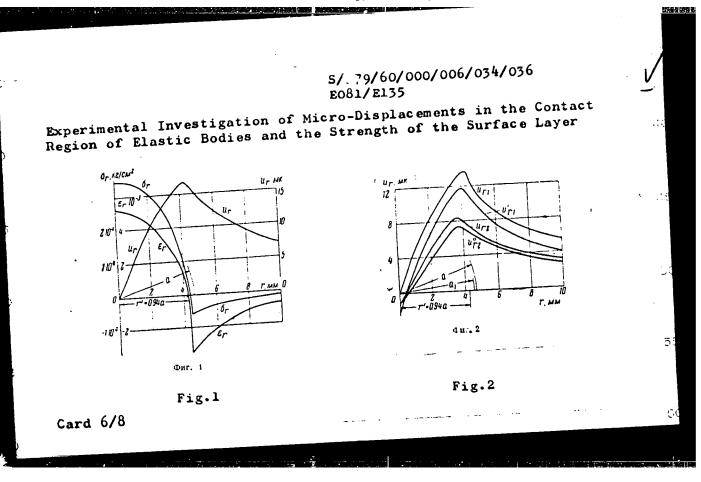
S/179/60/000/006/034/036 E081/E135

Experimental Investigation of Micro-Displacements in the Contact Region of Elastic Bodies and the Strength of the Surface Layer The experiments showed: 1) that the actual size of the contact area exceeds the calculated size by about 3%, possibly as a result of plastic deformation; 2) a large difference exists between the magnitude of the displacements calculated for an infinite halfspace and those measured on a plane specimen 110 x 110 x 30 mm compressed by a sphere. In Fig. 2 the calculated curves url, url are compared with experiment (curves u_{r2} , u_{r2}^{o}) for the internal contact zone and for the external area up to a radius of 30 mm on compressing a sphere 20.3 cm in diameter with a plane The difference between the calculated and force of 15 000 kg. experimental curves is attributed to the difference between the actual and calculated areas of contact and to the fact that the calculations refer to an infinite half-space whereas the experiments were made on specimens of finite size; 3) the displacements on the spherical surface are appreciably less than on the plane surface. Fig.3 shows the relative extension along a meridian on the surface of the sphere R = 10.15 cm compressed or rolled on Card 4/8

S/179/60/000/006/034/036 E081/E135

Experimental Investigation of Micro-Displacements in the Contact Region of Elastic Bodies and the Strength of the Surface Layer the plane under load P = 15000 kg with $E = 2.15 \times 10^6 \text{ kg/cm}^2$; 4) there is little difference between the micro-displacements measured when rolling the sphere backwards or forwards, or when under static conditions. Fig. 4 shows the graphs of radial displacement on the plane surface. Curves 3 and 4 are for conditions of rolling towards and away from the end of the gauge; curves 1 and 2 are for absence of work hardening with roll. Curves of relative radial extension for slow rolling (v = 5 mm/sec) are shown in Fig. 5, where curve l is theoretical for the plane, curve 2 is experimental for the plane and curve 3 is experimental for the sphere. The occurrence of shear and tensile stresses in the surface and the role of micro-cracks in the breakdown process are briefly discussed. There are 5 figures and 2 Soviet references.

Card 5/8



S/179/60/000/006/034/036 E081/E135

Experimental Investigation of Micro-Displacements in the Contact Region of Elastic Bodies and the Strength of the Surface Layer

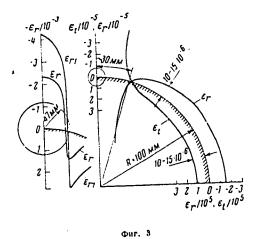
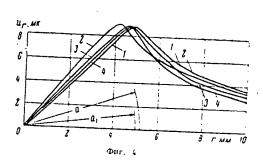


Fig.3

Card 7/8

S/179/60/000/006/034/036 E081/E135

Experimental Investigation of Micro-Displacements in the Contact Region of Elastic Bodies and the Strength of the Surface Layer



Dur. 6

Fig.4

SUBMITTED: June 2, 1960

Card 8/8

Fig.5

3 117 5

9,6180

AUTHORS:

Pinegin, S.V., Do ter follechnical document in fessor, Orlov, A.V., Engineer, and Vershir, i.i.

TITLE:

A strain gauge method of measuring .. al det oper, no in the contact zone of conjugated componer

PERIODICAL: Vestnik mashinostroyeniya, no 3 (46), 27.74

en kandar Kangarasa Palar kangarasa sanar sanar

TEXT: Measuring elastic or plastic displacements of initivityal points in the contact zone is often difficult due to ina dessituity. An example is investigating deformations in the wirking faces of rails or in the tires of freight can wheeld carfores of teeth in gears and worms, ball bearings, that hes caupilled finitees etc. As the area of contact in the ball bearing is small its gradients of stresses and deformations are significant and precent gradients of stresses and deformations are significant and precent great obstacles in the measurements. The problem of equivalence of similar or natural experiments concerning contact loads as remains unsolved. This enhances the practical and theoretical interest of investigating stresses and deformations in the contact

Card 1/4

atantul 4 filija likerekoleteljaki <mark>l</mark>iker užvenikški predica kojali opinja

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A strain gauge method ...

zone of actual components, consisting if the local electronic to the terials. The article describes the design of a first investigation which was developed and a pried by the group investigation at the Institut mashin redenily. Institute of malifest in the 15 - 20 µk diameter, placed in a nair was instituted face. The groove in the immediant of the first investigation of 30 to 50 µk and a write face in the latter were 20 - 60 mm long in the feet attributed for the drying. One end it wire is welled to the operation is performed with a printed by a constitution of a microscope. The wire is then tensored it is first to the keymar, and the other end is soliced to the feet attributed to the constitution of a microscope. The wire is then tensored it is first thick. The latter is then it soliced in the feet attributed to thick. The latter is then it soliced in the feet and it is first the thick. The latter is then it soliced at the feet and it is first the constitution.

28153

A strain gauge method ...

S/122/61/000/003/003/013 D241/D305

zone. The displacements of the investigated point, i.e the weld spot of the front end of the transducer in relation to its rear end, increase or decrease its tension, an: thus its electric resistance. The restrictiveness of the zone of local surface deformations and the relatively large length of the transducer allow the assumption of the rear end of the transducer as a fixed point which is used as a datum for computing the displacements of the front end of the transducer. In special cases the displacement of the rear end can be measured with an additional transducer or by calculation. To record the changes of the electrical resistance, the transducer is connected into a bridge circuit. The earthed end of the transducer must be connected with the similar (earthed) end of the supply coil. The unbalance current is amplified and indicated by the oscillograph with a simultaneous display of deformation and time marking. The calibration of the scope is made with the use of a standard (reference) beam, whose central part is subject to bending only. The scatter of indications does not exceed 4%. In the above it is assumed that the groove is sufficiently small to affect the distribution of displacements and stresses.

4

28253

A strain gauge method ...

3/122/61/000/003/003/013 D241/D305

This was verified by measuring local deformations on the flat surface of components in the area of its contact with a 8" diameter ball. Both surfaces were machined with high precision and hardened to HRC 62-63. Two tension transducers were placed at the flat component: one on the surface and one in a groove. The components the frontend of transducer was varied. The same was repeated with contacts were 8.2 and '0.3 mm. There is only a small difference the previous assumption. Examples are given which demonstrate the gations on contact problems. There are 6 figures and 2 Sovietbloc references.

Card 4/4

PINECIN, S.V. (Moskva); ORLOV, A.V. (Moskva)

Resistance to motion in some cases of free rolling. Izv.AN SSSR.Otd.
tekh.nauk.Mekh.i mashinostr. no.3:91-97 My-Je '61. (MIRA 14:6)

(Motion) (Priction)

S/137/62/000/002/117/. A060/A101

energy and the first makes in an increasing the second

AUTHORS: Orlov, A. V., Sandler, N. I., Kukol', V. V., Aleksandr V., N. I.

Govor, U.S.

TITLE Investigation of the borated layer of medium-curbon steel

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 2, 1969, 105, Marie to 1" ("Sb. tr. Ukr. n.-i. in-t metallov", 1961, no. 7, 232 - 244)

TEXT. Using the methods of microscopic and X-ray structure analysis, an analysis was carried out of the structure of borated layer of steel 40 subjects to borating by the method of electrolyzing molten borax at 960° C at a current density of 0.2 ampere/cm² and 5-hour duration. The structure of the borated layer of steel 40 consists of the α -phase, carbide B_hC, borides FeB and Fe₂B, which, as one recedes from the surface, appear in the following order: α -Fe. B_hC, borking the microhardness has the greatest value at the surface and decreases gradually with approach to the base metal. There are 16 references.

T Fedoryva

[Abstracter's note: Complete translation]

Card 1/1

LINKOV, G.M.; ORLOV, A.V.

Forging bracket rolls with an automatic manipulator. Avt.prom. 28 no.2:40-43 F '62. (MIRA 15:2)

1. Nauchno-issledovatel'skiy institut avtomobil'noy promyshlennost: (Rolls (Iron mills))

TSIRIK, L.M.; ORLOV, A.V.

Mechanizing the removal of forgings and tails from trimming presses. Avt.prom. 28 no.12:30-33 D '62. (MIRA 16:1)

1. Nauchno-issledovatel'skiy tekhnologicheskiy institut avtomobil'noy promyshlennosti.

(Forging)

原产基 计事事中的 基门电影

ORLOV, A.V.

Present state and outlooks for the development of technological processes of rolling ingots for stamping. Avtsprom. 28 no.12: 35-36 D '62. (MIRA 16:1)

1. Nauchno-issledovatel'skiy institut avtomobil'noy promyshlennosti.
(Rolling (Metalwork))

ORLOV, A.V.; GEL'FGAT, Ya.A.; CHERKAYEV, V.V.; KECHEKEZYAN, A.N.

Structures of extra_deep vells. Trucy VNI; ET no.913-17 '63.

(MIRA 17:9)

GEL'FGAT, Ya.A.; OHLOV, A.V.; FIRKEL'SHTEYE, G.E.; CHERKAYEV, V.V.

Latablishing mentain empirical dependence of bit-operation characteristics on the parameters of drilling practices.

Trudy VNIIBT no.9x13-23 163. (MIPA 19x9)

ORLOV, A.V.; BEDERDINOV, A.B.

Present state and trends of the development of the production of connecting rods by forging in the automobile industry.

Avt. prom. 30 no.5:33-37 My '64. (MIRA 17:9)

l. Nauchno-issledovatel'skiy tekhnologicheskiy institut avtomobil'noy promyshlennosti.

EWT(d)/EWT(m)/EWP(w)/EPF(c)/T/EWP(t)/EWP(b) CESSION NR: AP5012077 UR/0380/65/000/001/0127/0135 Orlov, A. V. (Moscow) Carrying capacity of Novikov transmissions for different types of contact TITLE: Mashinovedeniye, no. 1, 1965, 127-135 TOPIC TAGS: mechanical engineering, mechanical power transmission device, transmis ABSTRACT: Novikov transmissions with large gears were tested for carrying capacity under point-contact and line-contact operating conditions. The tests were done on a machine for tangential loading of the gears with a force of 200 to 6000 kg. It was found that moderately loaded helical teeth with $\Delta r/\Delta r_1 = 0.1$ have a nearly elliptical contact. With increased wear, this form approaches the line-contact form, although an actual transmission can never be run in to the point where the contact is actually of the line type (in the true sense) because of variations in interaxial distance. Soviet and foreign operational experience shows that Novikov, transmissions have a load capacity 2-2.5, and in isolated cases 6 times that of transmissions

L 3300-66 ACCESSION NR: AP5012077

with involute teeth. With respect to contact strength, Novikov transmissions are most sensitive to variations in the interaxial distance, and the aggrevation of this sensitivity increases as the teeth are worn in (more precisely as $\Delta r/r_1$ is reduced). A comparatively small increase in the interaxial distance results in a concentration of the load on the edge of the concave tooth. Operational experience shows that this destroys the surface and leads to fatigue cracks which wear out the tooth. A shift in the maximum pressure area to the tip of the concave tooth is also due to intensive wear at the tip of the convex tooth with a corresponding redistribution of the load. Transmissions with point-contact are much less sensitive to deviations in the interaxial distance than worn-in transmissions. To correct inaccuracies in the gears, it is advisable to run in the transmissions with oscillating interaxial distances. When this operation is correctly done the contact area is increased and the sensitivity to interaxial variations (within a certain range) is decreased. The average pressure is only slightly dependent on shaft misalignment, but the direction of misalignment has a considerable effect on the configuration of the contact area. If the gap between the teeth is reduced on the disengagement side, the contact spot becomes a strip of approximately uniform width. Misalignment in the reverse direction causes a sharply defined edge-contact. In some cases the effect of individual errors can be corrected by mutual compensation. Orig. art. has: 9 figures, 2 tables.

Card 2/3

L 3300-66	R: AP5012077	0	
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MO REF SOV:	OC2 OTHER: 001		•
Cord 3/3			

57531-65 EMT(e)/EMT(m)/EMP(w)/EM JP(e) MIW/JD/ JC OCCESSION MR: ARSO15184	182/0127/65/000/005/1051/1051
OURCE: Ref. zh. Metallurgiya, Abs	. 51332 33 B
UTHOR: Orlov, A. V.; Fel'dman, B.	1
roperties of 6082 spring seed (me of boron, vanadium, and titanium on the
DIED SOURCE: Sb. tr. Ukr. n1. i	in-t metallov, vyp. 10, 1964, 398-406
TOPIC TACS: spring, steel, steel in decarburization, sustenitic grain, containing alloy, vanadium containing alloy/ 6082 st	pardening, metal mechanical property, alloying, grain size, silicon containing alloy, boron ing alloy, titanium containing alloy, teel, 6052TR steel
TRANSLATION: An investigation was 0.75% venedium, and up to 0.15% tibasis of 6082 steel, the optimum of established as follows (in \$): 0.	made of the effect of up to 0.005% boron, up to tanium on the properties of 6052 steel. On the hemical composition of spring steel 6052TR was 55-0.65 carbon, 0.6-0.9 manganese, 1.5-2 1.5
Çoid 1/2	

ACCESSION NR: AR5015184 sigmas is 137 kg/mm ² ; delta ₁₀ is 7%; a _k is 3; l kgm/cm ² ; R ₀ is 43; sigma ₈ /sigma _b sigmas is 137 kg/mm ² ; delta ₁₀ is 7%; a _k is 3; l kgm/cm ² ; R ₀ is 43; sigma ₈ /sigma _b sigmas 1 to 0.51. The hardenability of 60S2TR sheel is greater than that of is equal to 0.51. The hardenability of 1.5ml ₂ 7, this sheel has less tendency toward					
6052 steel; at a sincon concern the a higher					
decarburization particularly threshold for the start of a size than 6082 steel. From	THE COULT OF THE PARTY OF THE P	finer original grain			
SUB COOR: MA	encli 00				
	a de la companya de l				

