CHACHAVA, T.N.

Problem of elastoplastic vibrations in a system with one degree of freedom. Soob. AN Gruz. SSR 30 no.4:453-460 Ap '63. (MIRA 17:9)

1. Institut stroitel'nogo dela AN GruzSSR, Tbilisi. Predstavleno akademikom K.S. Zavriyevym.

CHACHAVA, T.N.

Determination of rated parameters of the bilinear diagram recovering forces. Soob. AN Gruz. SSR 32 no.3:597-602 D '63. (MIRA 17:11)

1. Institut stroitel'nogo dela AN GruzSSR. Predstavleno akademikom O.D. Chiashvili.

CHACHAVAN, T.N. (Tbilisi)

Estimating the scope of the maximally possible amplitude of a nonlinear oscillator. Stroi.mekh. i rasch.soor. 6 no.3:28-30 '64. (MIRA 18:1)

CHACHAVA, T.M.

Determining the utmost amplitude of an elastoplastic oscillator. Trudy Inst. stroi. mekh. i seism. AN Gruz. 10: 69-76 '64. (MIRA 18:11)

CHACHAYEV, Aleksey Yegorovich; GLAZUNOVA, N.I., red.; NAZAROVA, A.S., tekhn. red.

[Soils and soil fertility] Pochvy i pochvennoe plodorodie. Moskva, Izd-vo "Znanie," 1961. 39 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. no.1) (MIRA 14:5)

(Soil fertility)

CHACHERNIKOV, V. I., UCHAYKINA, R.F.

Temperature dependence of the magnetic susceptibility of yttrium and gadolinium ferrite garnets. Vest. Mosk. un. Ser. 3: Fiz., astron. 15 no.3:37-41 My - Je '60. (MIRA 13:8)

1. Moskovskiy gosudarstvennyy universitet. Kafedra magnetizma.
(Yttrium ferrate--Magnetic properties)
(Gadolinium ferrate--Magnetic properties)

SMOYLOVSKAYA, Ye.Ya.; VADOVA, A.V.; PODVAL'NAYA, M.Ia.; CHACHIBAYA, I.A.

Carcinosarcoma of the breast developing in monkeys after hyperestrinisation and the use of radioactive silver Ag^{110}. Vop. onk. 6, no.5: 35-42 My '60. (MIRA 14:3)

(BREAST--CANCER) (ESTROGENS)
(SILVER--ISOTOPES)

SMOILOVSKAYA, Ye.Ya.; VADOVA, A.V.; PODVAL'NAYA, M.Ia.; CHACHIBAYA, I.A.

Induction of melanoblastoma in monkeys. Vop. onk. 6 no. 10:69-74 O '60. (MIRA 14:1)

(TUMORS)

CHACHIBAYA, M. S.

22586. CHACHIBAYA, M. S. Dozy I sroki udobreniy kak sredstvo povysheniya urozhaynosti I Bor'by s periodichnost'yu plodonosheniya mandarinovykh derev'yev. Trudy gruz. S-KH. In-ta im. Beriya, T. XXX, 1949, S. 219-38.- Bibliogr: 5 Nazv.

SO: LETOPIS' No. 30, 1949

CHACHIKYAN, G.M.

Remarks on the article of V.IA.Shlapoberskii and G.A.Nevtonova "Penicillin therapy of suppurative processes of the abdominal cavity and some data on the changes in the clinical picture of the disease under its influence," which was published in Khirurgiia No.3 in 1952. Khirurgiia no.9:94-95 S '53. (MLRA 6:11)
(Abdomen--Diseases) (Penicillin) (Shlapoberskii, V.IA.)
(Nevtonova, G.A.)

L 51435-65 EWG(j)/EWT(d)/FSS-2/EWG(r)/EWT(1)/EEC(a)/EWT(m)/FS(v)-3/
EWP(w)/EWG(v)/EWA(d)/EWP(v)/T/EWG(a)-2/EWP(k)/EWP(h)/EWG(c)/EWP(1) Pe-5/
Pf-4 SCTB TK/DD/EM

ACCESSION NR: AP5015522 UR/0286/65/000/008/0058/0058
620.178

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49
B

AUTHOR: Ganin, V. P.; Opukhovskiy, L. Ye.; Fridlender, G. O.; Chachikyan, R. G.

TITLE: A unit for checking and testing automatic catapulting devices. Class 42, No. 170184

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 58

TOPIC TAGS: catapult, test equipment

ABSTRACT: This Author's Certificate introduces: 1. A unit for checking and testing automatic catapulting devices. The mechanism contains a frame with a sleeve which is placed on a rigidly fastened axle turned by a motor. The device is designed for simulating catapulting loads which are close approximations of actual loads. Fastened to the frame are two guides which are joined through a system of three interconnected sleeves to a shaft which is rotated and moved along these guides by a crankshaft connecting rod mechanism. On one end of the shaft is a table for the devices being tested, and on the other end is a sprocket which is connected by a chain drive to another sprocket rigidly fastened to the base of the

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L 51435-65
ACCESSION NR: AP5015522

unit. 2. A modification of this installation which uses a system of four levers for keeping constant tension on the chain drive when the shaft is being moved along the frame in a radial direction. Two of these levers have one end swivel-connected to the table shaft, while the other two have one end connected in the same way to the sleeves of the frame. The other ends of the levers are connected in pairs to intermediate axles with sprockets rigidly connected to them. 3. A modification of this installation which contains a balancing unit made up of a weight located on a guide frame symmetric with the table shaft and connected with the shaft sleeve through two swivel-connected levers and a rocker.

ASSOCIATION: Organizatsiya goskomiteta po aviatsionnoy tekhnike SSSR (Organization of the State Committee for Aviation Technology, SSSR)

SUBMITTED: 26Sep63 ENCL: 01 SUB CODE: IE

NO REF SOV: 000 OTHER: 000

Card 2/3

L 51435-65

ACCESSION NR: AP5015522

ENCLOSURE: 01

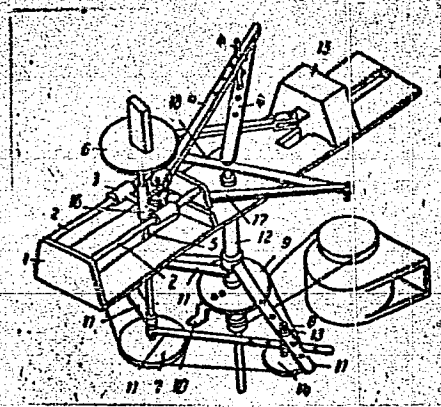

Fig. 1. 1--frame; 2--guides; 3--sleeves; 4--crankshaft connecting rod mechanism; 5--table shaft; 6--table for devices to be tested; 7--sprocket; 8--chain drive; 9--sprocket; 10--base of the unit; 11--levers; 12--sleeve of the frame; 13--intermediate axle; 14--sprockets; 15--weight; 16--shaft sleeve; 17--levers; 18--rocker

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Card 3/3

CHACHILO, N.

Let's pay special attention to industrial training. Prof.-tekh. obr. 19 no.3:16 Mr '62. (MIRA 15:4)

1. Master proizvodstvennogo obucheniya tekhnicheskogo uchilishcha No.5, st. Bryansk 2.
(Education, Cooperative)

CHACHIN, K.F. (Ryazan')

The important thing is concern for man. Zdorov'e 6 no.2:1-2 F '60. (MIRA 13:5)

1. Sekretar' Ryazanskogo oblastnogo komiteta kommunisticheskoy partii Sovetskogo Soyuza.
(RYAZAN PROVINCE--SOCIAL CONDITIONS)

82659

S/123/59/000/09/13/036
A002/A001

18.5200

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1959, No. 9, p. 97, # 33586

AUTHORS: Konovalov, Ye. G., Sidorenko, Yu. A., Chachin, V. N.

TITLE: Vibration Grinding of Hard Alloys

PERIODICAL: Sb. nauchn. tr. Fiz.-tekhn. in-t AN BSSR, 1958, No. 4, pp. 248-255

TEXT: Experiments in using the method of vibration grinding of hard alloys are described. The experiments were performed at FTI AN BSSR. Grinding was carried out with the periphery of a "KЗ60CM2K" (KZ60SM2K) straight-profile grinding disk on a surface-grinding machine. A special electromagnetic vibrator produced the vibratory motion of the "BK8" (VK8) alloy plate in a direction parallel to the disk axis at a frequency of 100 cps and at an amplitude of 2.5 mm. The experiments were performed at a speed of 37.6 m/sec, a longitudinal feed of 3.4 m/min and a grinding depth of 0.08-0.15 mm. Under these conditions, the VK8 alloy plate was subjected to conventional and vibration grinding. In all cases of conventional grinding, cracks and scorches

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were observed on the plates. In vibration grinding, cracks and scorches were absent and the quality of the surface finish was better by two classes. It is shown that the mean grinding zone temperature is considerably reduced during vibration grinding, while the self-sharpening conditions of the disk are improved. Further, in connection with a more complicated trajectory of the abrasive grains over the surface to be machined, the difference between longitudinal and transverse roughnesses is reduced, and as a result, the mean height of microroughnesses is also reduced. There are 10 figures and 7 references.

D. L. G.

Translator's note: This is the full translation of the original Russian abstract.

4

PHASE I BOOK EXPLOITATION SOV/4018

Akademiya nauk Belorusskoy SSR. Fiziko-tekhnicheskiy institut

Sbornik nauchnykh trudov, vyp. 5 (Collected Scientific Papers of the Institute of Engineering Physics, Academy of Sciences Belorusskaya SSR, No. 5) Minsk, Izd-vo AN BSSR, 1959. 235 p. Errata slip inserted. 1,100 copies printed.

Ed. of Publishing House: L. Mariks; Tech. Ed.: I. Volokhanovich; Editorial Board: V.P. Severdenko, Academician, Academy of Sciences BSSR (Chief Ed.), K.V. Gorev, Academician, Academy of Sciences BSSR, N.N. Bodyako, Candidate of Technical Sciences, and P.A. Parichutik, Candidate of Technical Sciences.

PURPOSE: This book is intended for technical personnel and scientific workers.

COVERAGE: This collection of 23 articles covers the following subjects: small draft rolling analysis of wire-drawing, design of drop-forging dies, impact upsetting, examination of the effect of temperature on plastic deformation, sulphidation and carburizing processes, the phenomena of pulse-discharge, etc. ~~No personalities~~

KONOVALOV, Ye.G. [Kanavalau E.H.], kand. tekhn. nauk; CHACHIN, V.N. [Chachyn, V.M.]

Dynamics of the vibration grinding of hard alloys. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no.1:19-24 '59. (MIRA 12:7)
(Grinding and polishing)

88586

S/123/61/000/002/005/017
A005/A001

1 1100

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1961, No. 2, p. 58, # 2B488

AUTHORS: Konovalov, Ye. G., Chachin, V. N.

TITLE: An Investigation of the Surface Quality at Vibro-Grinding of Hard Alloys

PERIODICAL: "Sb. nauchn. tr. Fiz.-tekhn. in-t AN BSSR", 1959, No. 5, pp. 178-188

TEXT: The authors report on the results of investigations of the vibro-grinding process of hard alloys on a universal grinding machine and a surface-grinding machine with vibrators. During the investigation, the roughness of the surface was determined depending on the cutting depth, the table- and cross feed, and the characteristics of the grinding wheel at vibro-grinding (frequency - 100 cps) and without vibrations. It turned out that the vibro-grinding increases the efficiency by 2-3 times; the fine roughness (H_{av} = 2-4 micron) can be obtained with t = 0.06 - 0.08 mm per 2 to-and-fro motions of the table. The vibro-grinding sharply decreases the danger of the appearance of searings and cracks and makes it possible to apply disks of black silicon carbide which yield the same

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88586

S/123/61/000/002/005/017
A005/A001

An Investigation of the Surface Quality at Vibro-Grinding of Hard Alloys

fineness of surface as disks of green silicon carbide. A table of the cutting conditions is added for ordinary grinding and vibro-grinding of hard alloys. - There are 7 figures and 5 references.

Ya. Vernitskiy

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

KONOVALOV, Ye.G.; CHACHIN, V.N.

Thermal studies on the vibration grinding of a hard alloy. Dokl.AN BSSR 3 no.11:452-455 N '59.
(MIRA 13:4)

1. Predstavleno akademikom AN BSSR K.V. Gorevym.
(Grinding and polishing) (Alloys--Thermal properties)

S/795/62/000/000/006/007

AUTHOR: Chachin, V.N.

TITLE: The use of low-frequency vibrations in the grinding of hard alloys.

SOURCE: Vysokoproizvoditel'noye shlifovaniye. Ed. by Ye.N. Maslov. Kom. po tekh. mashinostr. In-t mashinoved. AN SSSR. Moscow, Izd-vo AN SSSR, 1962, 208-214.

TEXT: The paper describes an experimental investigation of the use of low-frequency vibrations in the sharpening of hard-alloy tools. The low-frequency-vibration method is intended to overcome the shortcomings which the steady abrasive method of sharpening has at all times encountered in the preparation of a sharp cutting edge on hard-alloy tools. The method employs an electromagnetic generator which imposes an axial vibration with a frequency of 100 cps upon the grinding disk. The amplitude of the vibration can be adjusted mechanically. The result is that a larger number of grinding grains is engaged in a given grinding action than would be the case in a stationary grinding disk. The grinding effectiveness is thereby greatly increased. The present investigation comprised the determination of the magnitude of the grinding force, the mean temperature of the surface layers, and the magnitude of the transverse roughness of the ground surface, and it was established that the

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imposition of a 100-cps vibration decreased all of these respective values. Hence, it is found that the presence of vibrations permits an intensification of the grinding process without incurring the danger of a formation of hot spots and cracks. It is also apparent that the use of the vibratory accessory in grinding of hard alloys permits the use of grinding disks of comparatively large grain size, even for the finishing stage of sharpening. In vibrational grinding with an oscillatory frequency of the order of 25-35 cps the total productivity of the sharpening process of hard alloys is increased by appx. 50-100% in comparison with the ordinary stationary-disk sharpening. There are 7 figures and 3 references [2 Russian-language Soviet and 1 English-language original translated into Russian: Colwell, L. V. (or W. ?), The effect of high-frequency vibrations on the cutting process, Machinery, 87/2235, 1955] .

L 08290-67 EWT(m)/EWP(t)/ETI IJP(c) JD
ACC NR: AP6032452 SOURCE CODE: UR/0129/66/000/009/0009/0011

AUTHOR: Chachin, V. N.; Yeremin, V. Ye.

ORG: Physicotechnical Institute, AN BSSR (Fiziko-tekhnicheskiy institut, AN BSSR)

TITLE: Effect of ultrasonic vibrations on the cooling capacity of a quenching medium

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 9, 1966, 9-11

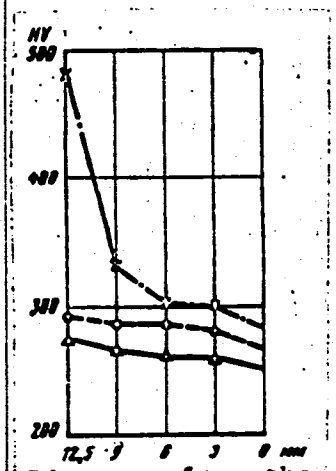
TOPIC TAGS: quenching medium, cooling capacity, quenching medium cooling capacity, ultrasonic vibration, steel hardenability, METAL HARDENING, HARDNESS

ABSTRACT: Preliminary experiments with a copper specimen showed that ultrasonic vibrations applied to a quenching medium intensifies its cooling capacity. Subsequently, the effect of ultrasonic vibrations on steel hardenability was investigated. It was found that the surface hardness of specimens quenched in oil irradiated with ultrasound was much higher than that of specimens quenched without ultrasound (see

Card 1/2 UDC: 621.789:621.78.01.063/065

L 08290-67

ACC NR: AP6032452



Distance from the center.

Fig. 1. Hardenability of cylindrical specimens of type 45 steel

——— Quenching in undisturbed oil;
— — — — quenching in agitated oil;
—.—.—.— quenching in oil agitated by ultrasound.

Fig. 1). It was concluded that the cooling rate and, hence, the hardenability of steel can be controlled by ultrasound. Orig. art. has: 3 figures.

SUB CODE: 11, 13/ SUBM DATE: none/ ORIG REF: 004/ OTH REF: 003

Card 2/2 LS

ACC NR: AP6034186 (N) SOURCE CODE: UR/0250/66/010/010/0783/0785

AUTHOR: Chachin, V. N.; Skripnichenko, A. L.

ORGANIZATION: Physicotechnical Institute, AN BSSR (Fiziko-tekhnicheskiy institut AN BSSR)

TITLE: Effect of ultrasound on the wear-resistance of R18 steel

SOURCE: AN BSSR. Doklady, v. 10, no. 10, 1966, 783-785

TOPIC TAGS: ultrasonic vibration, ultrasonic effect, mechanical, steel wear resistance, high speed steel, ~~steel ultrasonic~~ tempering/ R18 steel

ABSTRACT: Specimens of R18 high-speed steel, 15 mm in diameter, 120 mm long, austenitized at 1280C and oil quenched were subjected to ultrasonic vibrations of 21kHz, for 36 min during tempering at 560C. It was found that ultrasonic treatment increased the microhardness and hardness of the specimens. The greatest change in these properties occurs in the antinode region of vibrations and it also depends on the duration of ultrasonic treatment. After 36 min of the treatment, microhardness was increased by 110 kg/mm^2 and hardness by 37 kg/mm^2 in the antinode region, and by 50 and 20 kg/mm^2, respectively, in the node region. Wear-resistance increased by 40% in the antinode area and by 28% in the node area. The wear resistance of specimens subjected to ultrasonic treatment during the cooling period following tempering increased by 36% in the antinode region. Orig. art. has: 2 figures.

SUB CODE: 11,20/SUBM DATE: 29Mar66/ ORIG REF: 006/ OTH REF: 001/

Card 1/1

USSR/Cultivated Plants -- Grains M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53572

Author : Chachin, V.P.
Inst : -
Title : Corn in the Stavropol'skiy Kray

Orig Pub : Kukuruza v 1955 g. Vyp. 6, M., Sel'khozgiz, 1956, 136-142

Abstract : The article points out the five-fold increase in corn sowings in 1955 in the Stavropol'skiy Kray, and an increase in the yield due to the application of square-pocket planting and to the mechanized care of the sowings. Corn demonstrated its advantages over other grain fodder cultures even in the presence of unfavorable weather conditions. The article recommends agrotechy for corn growing, and the selection of varieties producing highest yields. -- Ye.T. Zhukovskaya

Card 1/1

LISTVIN, I.A.; CHACHIN, V.P., red.; KORNILOV, A.A., prof., doktor sel'khoz. nauk, red.

[Recommendations of a scientific industrial conference for erosion control in Stavropol Territory] Rekomendatsii nauchno-proizvodstvennoi konferentsii po bor'be s eroziei pochv na Stavropol'e. Stavropol'-kraevoi, 1962. 14 p. (MIRA 17:4)

1. Nauchno-tekhnicheskoye obshchestvo sel'skogo khozyaystva. Stavropol'skoye krayevoye pravleniye. Agronomicheskaya sektsiya. 2. Predsedatel' krayevogo pravleniye Nauchno-tekhnicheskogo obshchestva sel'skogo khozyaystva (for Chachin). 3. Zamestitel' predsedatelya krayevogo pravleniya Nauchno-tekhnicheskogo obshchestva sel'skogo khozyaystva (for Listvin). 4. Stavropol'skiy sel'skokhozyaystvennyy institut i predsedatel' agronomicheskoy sektsii pravleniya Nauchno-tekhnicheskogo obshchestva sel'skogo khozyaystva (for Kornilov).

CHACHIN, Vasiliy Petrovich, glavnyy agronom; CHERNOV, A.A., red.; MATVEYEV, A.P., tekhn. red.; MARAKASOVA, L.P., tekhn. red.

[This too is virgin land] Eto tozhe tselina. Moskva, Izd-vo "Sovetskaia Rossiia," 1960. 37 p. (MIRA 14:5)

1. Stavropol'skoye krayevoye upravleniye sel'skogo khozyaystva (for Chachin)

(Caucasus, Northern--Agriculture)

CHACHIN, V.P.

Soil cultivation theory for arid regions. Zemledelie 8 no.12:74-80 D '60. (MIRA 13:11)

1. Glavnyy agronom Stavropol'skogo krayevogo upravleniya sel'skogo khozyaystva.

(Tillage)

CHACHIN, V.P.

Problems of farming practices in Stavropol. Zemledelie 23 no.10:13-18 O '61. (MIRA 14:9)

1. Zamestitel' nachal'nika Stavropol'skogo krayevogo upravleniya sel'skogo khozyaystva.
(Stavropol Territory--Agriculture)

CHACHIN, V.P.

Introduce crop rotations efficiently. Zemledelie 26 no. 4: 17-21 Ap '64. (MIRA 17:5)

1. Zamestitel' nachal'nika Shpakovskogo proizvodstvennogo Stavropol'skogo kraya.

CHACHIN, Ye.N., Cand Med Sci--(diss) "Loss of blood, blood transfusion, and post-operative anemization in pulmonary resection." Gor'kiy, 1958. 11 pp (Gor'kiy State Med Inst im S.M. Kirov), 200 copies (KL,25-58, 120)

-183-

CHACHIN, Ye.N.

Blood loss and postoperative anemia in lung resection. Vest. khir. 84 no. 4:24-26 Ap '60. (MIRA 14:1)
(LUNGS—SURGERY) (BLOOD—TRANSFUSION)
(ANEMIA)

KUKOLEVA, M.I.; CHACHINA, Ye.F.; KLASSEN, O.G.; NISHCHIY, V.A.

Three observations on reanimation. Vest. khir. 93 no.8:94-95 Ag '64. (MIRA 18:7)

1. Iz khirurgicheskogo otdeleniya (zav. - M.I.Kukoleva) mediko-sanitarnoy chasti zavoda imeni Lenina, goroda Zlatoust, Chelyabinskoy oblasti.

CHACHKHIANI, A.B.

PHASE I TREASURE ISLAND BIBLIOGRAPHIC REPORT AID 158 - I

Call No.: TS1548.5 T3

BOOK

Author: TAIROV, S.A. and CHACHKHIANI, A.B.

Full Title: MACHINES AND APPRATUS IN THE ARTIFICIAL FIBER INDUSTRY

Transliterated Title: Mashiny i apparty proizvodstva iskusstvennykh volokon

Publishing Data

Originating Agency: None

Publishing House; State Light Industry Publishing House (GISLEGPROM)

Date: 1952 No. pp.: 396 No. of copies: 3,000

Editorial Staff

Editor: Greysham, A.A. Tech Ed.: Smol'yakova, M.V.

Editor-in-Chief: None Appraiser: Kipershalk, Z.F.

Text Data

Coverage; A detailed description of equipment used in the production of artificial and synthetic fibers is given. Mechanized ship transportation is covered in the final chapter. Illustrations of steeping tanks, mixers, shredders, filters, spinning and finishing machines, etc. are given.

The book may be of interest to engineers specializing in the production of man-made fibers.

Purpose: The book is designed to serve as a handbook for the synthetic fiber industry and as a textbook for college students.

1/2

CHACHKHIANI, A.B.

Mashiny i apparty proizvodstva iskusstvennykh volokon AID 158 - I

Facilities: Engineers N. Ya. Alekhin, F.I. Lavrushin, B.M. Lotarev, E.M. Mogilevskiy and M.A. Machekhin developed a precess and constructed an apparatus in which the mercerization, shredding, pre-ripening, xanthation and dissolving of cellulose are carried out. All-Union Scientific Research Fiber Institute (VNIIV). Professor M. Yu. Lur'ye, Z.F. Kipershlak, Candidate of Technical Sciences, S. A. Tairov, Engineer, A. A. Kazymov, Engineer, and I. Z. Guslitser, Engineer constructed an apparatus where the evaporation and heating of the precipitation bath is carried out with flue gases by the contact method. Aranovich, V. M.; Blumberg, Ts. M.; Main Administration of Machine Building for Light Industry; Pavlov, A.M. Svetozarov, V.A.; All-Union Heat Engineering Institute of the Order of the Red Banner of Labor Plant im. Marks (location not indicated) - produces machinery for the synthetic fiber industry.

No. of Russian and Slavic References: 27

Available: Library of Congress.

2/2

CHACHKHIANI, A. B.

TAIROV, Sergey Alekseyevich; CHACHKHIANI, Andrey Borisovich; GRUZDEV, V.A., retsenzent; LIOZNOV, A.G., redaktor; MEDVEDEV, L.A., tekhnicheskiy redaktor.

[Equipping factories producing synthetic textile fibers] Oborudovanie zavodov iskusstvennykh volokon. Izd.2-oe, perer. i dop. Moskva, Gos.nauchno-tekhn. izd-vo Ministerstva tekstil. promyshl. SSSR, 1955. 503 p. (MLRA 8:12)
(Textile fibers, Synthetic)

CHACHKHIANI, G.A.

Organization of brucellosis control in Klukhori (Karachai) District, Stavropol Territory. Sov.zdrav. 17 no.3:47-50 Mr '58. (MIRA 11:4)

1. Iz Klukhorskoy rayonnoy bol'nitsy (glavnyy vrach D.K.Gogoladze)
(BRUCELLOSIS, prev. & control
in Russia (Rus)

CHACHKHIANI, G.A.

Urological dispensary as a therapeutic and prophylactic institution. Urologiia. no.5:44-45 '64. (MIRA 18:8)

1. Tbilisskiy gorodskoy urologicheskiy dispanser (nauchnyy rukovoditel' - akademik AN Gruzinskoy SSR, chlen-korrespondent AMN SSSR prof. A.P.TSulukidze).

CHACHKHIANI, I., kand.tekhn.nauk; SAMYKIN, G., inzh.

Device for measuring torque on engine shafts (torsion meter). Rech. transp. 21 no.2:36-38 F '62. (MIRA 15:3)
(Torque--Measurement) (Shafting)

CHACHKHIANI, I. A. and SHVELIDZE, I. Kh.

"Treatment of Psoriasis with Vitamin D_2," Vest. Ven. i Derm., No 3, 1952

CHACHKHIANI, I. K.

25770 CHACHKIANI, I. K. O Soprotivlenii Puti V Zimnikh Usloviyakh, Trudy Gor'k. Industr. in-ta im. Zhdanova, T. VII, vyp. 1, 1948, s. 51-82.-- Bibliogr: s.81.

SO: Letopis' Zhurnal Statey, No. 30, Moscow, 1948.

IKONNIKOV, Sergey Alekseyevich, dots., kand. tekhn. nauk; KRAKOVSKIY, Ivan Ivanovich, prof., doktor tekhn. nauk; MAL'TSEV, Vasiliy Nikolayevich, dots., kand. tekhn. nauk; CHACHKHIANI, Igor' Konstantinovich, dots., kand. tekhn. nauk. Prinimal uchastiye RUSIN, V.N.; LAKHANIN, V.V., prof., doktor tekhn. nauk, retsenzent; FROLOV, V.M., dots., kand. tekhn. nauk, retsenzent; KHOZE, A.N., kand. tekhn. nauk, retsenzent; KOTIN, A.F., dots., kand. tekhn. nauk, retsenzent; MYASNIKOV, N.V., red.; SHLENNIKOVA, Z.V., red. izd-va; BODROVA, V.A., tekhn. red.

[Power plants on ships] Sudovye silovye ustanovki. By S.A.Ikonnikov i dr. Moskva, Izd-vo "Rechnoi transport," 1961. 519 p. (MIRA 14:11)

1. Sotrudniki konstruktorskikh byuro Ministerstva rechnogo flota (for Lakhanin, Frolov, Khoze, Kotin).
(Marine engines)

CHINYAYEV, Ivan Alekseyevich, doktor tekhn. nauk; CHACHKHIANI, I.K., kand. tekhn. nauk, retsenzent; KHOZE, A.N., kand. tekhn. nauk, retsenzent; BAZHENOV, I.S., inzh., red.

[Marine gas turbines] Sudovye gazovye turbiny. Moskva, Transport, 1964. 223 p. (MIRA 17:8)

CHACHKHIANI, N.G.

Self-propelled drilling rig. Gor. zhur. no.6:77 Je '63. (MIRA 16:7)

(Boring machinery)

CHACHKHIANI, N.G., inzh.

Self-propelled boring rig for making a gross section tunnel.
Shakht. stroi. 8 no.10:29-30 O '64. (MIRA 17:12)

1. Upravleniye "Tbiltonnel'stroy".

CHACHKIANI, N.G.

Driving a tunnel for automobiles by smooth-surface blasting.
Transp. stroi. 14 no.10:19-20 O '64. (MIRA 18:3)

1. Zamestitel' glavnogo inzhenera Tbiltonnel'stroya.

REMARCHUK, V.A.; ZHILIN, S.N.; GOLUBEV, V.A.; PAZUSHCHAN, A.L.; ASHMARIN, M.Ya.; CHACHKIS, D.G.

[Standards for the repair of excavators and crushing and sorting equipment; a handbook] Normativy na remont ekskavatorov i drobil'no-sortirovochnogo oborudovaniia; spravochnik. Moskva, Nedra, 1965. 190 p. (MIRA 18:7)

1. Nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut po dobyche poleznykh iskopayemykh otkrytym sposobom. 2. Laboratoriya mekhanizatsii vspomogatel'nykh protsessov remontnykh i takelazhnykh rabot Nauchno-issledovatel'skogo i proyektno-konstruktorskogo instituta po dobyche poleznykh iskopayemykh otkrytym sposobom.

BRAVIN, L.S., inzh.; CHACHKO, A.G., inzh.

New system for the control of boiler-turbogenerator units.
Teploenergetika 8 no.9:28-33 S '61. (MIRA 14:8)

1. Kiyevskoye otdeleniye Vsesoyuznogo gosudarstvennogo proyektnogo instituta "Teploelektroproyekt".
(Power stations) (Automatic control)

CHACHKO, A.G., insh.

Use of rectifiers in networks with parallel connections. Energetik 10 no.12:8-12 D '62. (MIRA 16:1)
(Electric networks)

CHACHKO, A.G., inzh.

Pulse pairs on operative a.c. Prom. energ. 17 no.3:30 Mr '62. (MIRA 15:2)

(Electric relays)

CHACHKO, A.C., inzh.

Principles of the construction of selective systems for regulating boiler and turbine blocks. Energ. i elektrotekh. prom. no.3:3-7 Jl-S '65. (MIRA 18:9)

KRINITSYN, V.M.; CHACHKO, A.G.; SHPRITS, E.I.

Noncontact device for measurements by calling. Avtom. i prib. no.2: 47-49 Ap-Je '65. (MIRA 18:7)

CHACHKO, A.G., inzh.

Two-stage control system of a boiler-turbine block. Teploenergetika 12 no.11:50-57 N '65. (MIRA 18:10)

1. Institut avtomatiki UkrSSR.

BRAVIN, L.S., inzh.; CHACHKO, A.G., inzh.

Selective control system in a 200 Mw. block. Elek. sta. 36 no.10:15-19 O '65. (MTRA 18:10)

CHACHKO, A., inzh.; KOZHIN, A., inzh.

Project of a control panel for high-capacity power supply blocks. Tekh.est. 2 no.12:12-15 D '65. (MIRA 19:1)

1. Kiyevskiy institut avtomatiki Ministerstva priborostroyeniya.

KORCHAGIN, M.V.; CHACHKOVSKAYA, G.A.; SHIKANOVA, I.A.

Continuous dyeing of comber sliver. Izv.vys.ucheb.zav.; tekh.tekst. prom no.3:88-94 '63. (MIRA 16:9)

1. Moskovskiy tekstil'nyy institut.
(Dyes and dyeing—Textile fibers)

CHACHKOVSKIY, T.A.

137-1-20

Translation from: Referativnyy Zhurnal, Metallurgiya, 1957, Nr 1, p. 2 (USSR)

AUTHOR: Chachkovskiy, T.A.

TITLE: Conference of Welders from the Moscow Oblast (Moskovskaya oblastnaya konferentsiya svarshchikov)

PERIODICAL: Tech. transport, 1956, Nr 3, pp. 29-30

ABSTRACT: Over sixty reports on the scientific and practical achievements in the field of welding were presented at the conference which was held in March 1956.

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A.Sh.

CHACHKOVSKIY, T.A.

New method of manufacturing ship screw propellers. Rech.transp. 18 no.12:23-24 D '59. (MIRA 13:4)

1. Nachal'nik Otdela tekhnicheskogo kontrolya Moskovskogo sustroitel'nogo i sudoremontnogo zavoda.
(Propellers)

CHACHKOVSKIY, T.

Statistical method for controlling the precision of geometrical elements of screw propellers. Rech. transp. 19 no.4:25-27 Ap '60. (MIRA 14:3)

1. Nachal'nik otdela tekhnicheskogo kontrolya Moskovskogo sudostroitel'no-sudoremontnogo zavoda.
(Propellers)

CHACHKOVSKIY, T., insh.

Efficiency of steel propellers. Rech. transp. 19 no.11:28 N '60. (MIRA 13:11)

(Propellers)

CHACHKOVSKIY, T.A., inzh.

Changes in State Standard 8054-59 for the manufacture of regular grade ship propellers. Sudostroenie 30 no.1:45-46 Ja '64. (MIRA 17:3)

CHACHORSKI, Waclaw, mgr inz.

Modern mining as a subject at the Fourth Polish Mining Congress. Przegl techn 86 no.4:3 24 Ja '65.

1. Vice-Chairmen of the Committee for Science and Technology, Warsaw.

CHACHOCKI, J.

2500. CLASSIFICATION OF REFINERY WASTE WATERS AND THEIR TREATMENT. Chachocki, J. (Nafta (Petroleum, Krakow), 1955, vol. 11, 280-283). Impurities found in waste waters are either hydrocarbons or naphthenic acids and their salts, or sulphonic acids and their salts. The latter two are soluble and difficult to remove. They are also toxic and cause emulsification of the former. Demulsification can be done using sulphuric acid, sodium chloride, calcium hydroxide, calcium chloride, ferric hydroxide, or aluminium hydroxide, to be followed by filtration. The most efficient seems to be a bed of lime or ashes.

MT

ABGAROWICZ, Franciszek, prof. dr; KOTARBINSKA, Maria; CHACHULOWA, Jadwiga; WITCZAK, Franciszek

Different protein levels in the fodder rations and the results in the production of meat. Zesz probl post nauk roln no.41:147-151 '63.

1. Katedra Zywienia Zwierzat, Szkola Glowna Gospodarstwa Wiejskiego, Warszawa. Kierownik: prof. dr F. Abgarowicz.

CHACHULOWA, Jadwiga

Influence of certain fodder supplements on the ammonia level in the caecum and the nitrogen balance in pigs. Pt.1. Rocz nauk roln zootechn 84 no.1:83-96 '64.

1. Department of Animal Feeding of the Central College of Agriculture, Warsaw. Head:[prof. dr] Fr. Abgarowicz.

CHACHULOWA, Jadwiga

Influence of certain fodder supplements on the ammonia level in the caecum and the nitrogen balance in pigs. Pt.2. Rocz nauk roln zootechn 84 no.3:567-581 '64.

1. Department of Animal Feeding of the Central College of Agriculture, Warsaw. Head:[prof. dr] Fr. Abgarowicz.

TUROWSKI, Gabriel; CHACHULSKA, Wladyslawa

Erdotoxin as an adjuvant. I. Effect on the level of precipitins against human serum proteins. Med. dosw. mikrobiol. 16 no.2: 123-129 '64.

1. Z Wytwórni Surowic i Szczepionek w Krakowie (Dyrektor: dr. Z. Moszczenski).

CHACHULSKI, Andrzej; HAHN, Stefan

Analog correlator with a magnetic-tape memory. Proceed vibr probl 4 no.2:199-207 '63.

1. Department of Vibrations, Institute of Basic Technical Problems, Polish Academy of Sciences, Warsaw.

HAHN, Stefan, doc. dr inz.; CHACHULSKI, Andrzej, mgr inz.; KUNSKI, Ryszard, mgr inz.

Transistor frequency standard. Przegl telekom 36 [i.e.37] no. 6:161-165 Je '64.

1. Institute of Basic Technical Problems, Polish Academy of Sciences, Warsaw.

L 26344-65 EWT(1)/EWA(h) Peb
ACCESSION NR: AP4042109 P/0022/64/000/006/0161/0165

AUTHOR: Hahn, Stefan (Docent, Doctor, Engineer); Chechulski, Andrzej (Master engineer); Kunski, Ryszard (Master engineer)

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8
B

TITLE: A transistorized frequency master 25

SOURCE: Przeglad telekomunikacyjny, no. 6, 1964, 161-165

TOPIC TAGS: transistorized frequency master, frequency reducer, frequency multiplier, quartz generator, duplex thermostat, feedback branch, condenser, negative feedback branch, automatic amplitude stabilization, internal thermostat, external thermostat, amplification power, operating stability

ABSTRACT: The article describes the design, operation, and characteristics of a device consisting of a transistorized frequency master and of a frequency reducing and frequency multiplying unit built at the Zaklad Badania Drgan Instytu Podstawowych Problemow Techniki PAN (Laboratory for the Investigation of Vibrations of the Institute of Fundamental Engineering Problems of the Polish Academy of Sciences). The frequency master uses a 200-kc quartz generator with a duplex thermostat. The purpose of the generator is to ensure small and constant amplitude of the oscilla-

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lations of the frequency master, which is the necessary condition for achieving good frequency stability. The quartz generator (a type-OC170 transistor) has a feedback branch consisting of two condensers (20 nF and 2 nF) and a quartz resonator. A series circuit connected in series with the resonator ensures frequency control. A two-stage amplifier for automatic amplitude stabilization has a negative feedback branch to stabilize the amplitude of the amplification. The purpose of the duplex thermostat in the frequency master is: 1) to reduce the power fed to the internal thermostat in a state of set heat; 2) to limit the range of ambient temperature changes of the internal thermostat; 3) to make possible the housing of certain assemblies in the internal thermostat which has an effect on the stability of the frequency master. The amplifier operating in the thermoregulator [thermostat] assembly developes an amplification power of around 85 dB, and the internal resistance of the amplifier is $R_{intern} \cong 30\ \Omega$. The temperature in the external thermostat is fixed at a value of 47°C, and temperature fluctuation resulting from discontinuous control is $\pm$ 0.06°C at an ambient temperature of T = 20°C. In the internal thermostat, temperature in the steady state is 50°C. The frequency master power supply operates on 220 V AC. The frequency multiplier and frequency reducer were designed in such a way as to ensure the frequency master operating conditions. The use of transistorized assemblies has produced a device

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which is both light and of small dimensions. It is characterized by operating stability in a wide range of power-supply voltage fluctuations and of ambient temperature changes. These units were tested in a wide range of ambient temperature and power-supply voltage changes. On the basis of the results obtained, it is concluded that in the range of ambient temperature changes from 0 to 40°C, and power supply voltage changes of from 0 to 30%, the frequency reducer ensures synchronous operation within 5% of the limit of frequency changes of the applied signal. Engineer W. Kielka developed the voltage stabilizing unit. Orig. art. has: 13 diagrams.

ASSOCIATION: Instytut Podstawowych Problemow Techniki PAN (Institute for Fundamental Technical Problems, Polish AS)

SUBMITTED: 00 ENCL: 00 SUB CODE: EC

NO REF SOV: 000 OTHER: 004

Card 3/3

CHACHULSKI, J., AND OTHERS

Characteristics of refinery sewage and methods of its purification. p. 3.
(PRACE. Katowice, Poland. No. 41, 1956)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

H

POLAND / Chemical Technology. Chemical Products and Their Applications. Chemical Processing of Natural Gases and Petroleum. Motor and Rocket Fuels and Lubricants.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 13229.

Author : Chachulski, Jerzy.
Inst : ~~Not given.~~
Title : Obtaining Oil Products Which Do Not Contain Aromatic Hydrocarbons by Means of Adsorption in Silica Gel.

Orig Pub: Nafta (Polska), 1957, 13, No 9, Biul. Inst. naftowego, 5-6.

Abstract: An experimental plant is described for obtaining dearomatized benzine and a concentrate of aromatic hydrocarbons by adsorption in SiO_2. Annual production of dearomatized benzine comprises 14-25 t

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POLAND / Chemical Technology. Chemical Products and Their Applications. Chemical Processing of Natural Gases and Petroleum. Motor and Rocket Fuels and Lubricants. H

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 13229.

Abstract: depending on the content of aromatic hydrocarbons (1.5-8.8%). The cost of benzine purified by such a method is significantly lower than that of benzine from sulfuric acid purification. -- Ye. Pokrovskaya.

Card 2/2

CHACHULSKI, Jerzy, mgr inz.; LIGEZA, Stanislaw, mgr inz.; NIEMENTOWSKI, Stefan, doc. mgr inz.

Elaboration of methods and technology of desulfuration of natural gasoline from Lubaczow. Nafta Pol 18 no.12:334-340 D '62.

1. Centralne Laboratorium Technologii Nafty, Warszawa.

CHACIEWICZ, Pawel, Mgr inz.

Technical and economic analysis of the bar-chamber quay wall in the port of Danzig. Tech gosp morska 13 no.10:Supplement: Biul Techn B.P.B.M. no.5:17-18 O '63.

1. Pracownia Hydrotechniczna, Biuro Projektow Budownictwa Morskiego, Gdansk.

CHACINSKI, Antoni

One and a half years of experience. Chemik 16 no.6:152-153 Je '63.

CHACINSKI, A.J.

Two years of the French Center of Scientific and Technical Documentation in Warsaw. Przegl techn 84 no.42 20 O '63.

CHACINSKI, A.J.

Interview with Adam Kowalski, Undersecretary in the Ministry of the Chemical Industry and President of the Scientific and Technical Association of Engineers and Technicians of the Chemical Industry and the Industry of Building Materials. Przem chem 42 no.6:275-276 Je '63.

CHACINSKI, A.J.

Thanks to the assistance of the Soviet Union we have the most modern equipment for our armed forces; interview with General M.Graniewski, Chief of the General Staff. Przegl. techn 84 no.41: 6,9 13 O'63

CHACINSKI, A.J.

General A.Cesarski, chief commander of the Territorial Air Defense, on the active cooperation of engineers and technicians with the Territorial Air Defense. Przegl techn 85 no.2:7 12 Ja '64.

CHACINSKI, Jerzy

The employment problem in industry. Przegl techn no.7:5 14 F '62.

CHACINSKI, Jerzy

New professors of the Military Technological Academy. Przegl techn no.14:4 Ap '62.

CHACINSKI, Jerzy

The struggle for 5 billion tons of coal; an interview with Professor Tadeusz Kochmanski. Przegl techn no. 28:7 15 Jl '62.

CHACINSKI, Jerzy, (Warszawa)

Conference of rationalizers and inventors. Przegl budowl i bud miesak 34 no.12:733 D '62.

CHACINSKI, J.

A press in the special branches of technology for students does not exist in practice; an interview with Prof. Stefan Minc, Vice-minister for Higher Education. Przegl techn no.40:3 7 O '62.

CHACINSKI, J.

After one year of activity of the French Scientific and Technological Documentation center. Przegl techn 84 no.3:10 20 Ja '63.

CHACINSKI, J.

Is there a future for electric streetcars in major cities? Przegl techn 84 no.1:4, 10 6 Ja '63.

CHACINSKY, Antoni Jerzy

Development of the Polish chemical industry. Muza elet 16 no.15:6 Jl '61.

(Chemical industries)

CHACZATUROW, T.

Problems of the complex development of transportation. p. 470.
Vol 7, no. 12, Dec. 1955. PRZEGLAD KOLEJOWY. Warsaw, Poland.

So: Eastern European Accession. Vol 5, no. 4, April 1956

CHACZATUROW, T.

CHACZATUROW, T. Principal means of reducing real transportation costs. p. 355

Vol. 8, no. 9, Sept. 1956
PRZEGLAD KOLEJOWY
TECHNOLOGY
Warszawa, Poland

So: East European Accession, Vol. 6, no. 2, 1957

CHADA, Yan.

CHADA, Yan

Work experience of the factory committee of the national enterprise "Svit" in Gottwaldov. Izobr.v SSSR 2 no.12:46-47 D '57. (MIRA 10:12)

(Gottwaldov--Incentives in industry)

CHADAJ, Stanislaw, inz.

Selfreducing tachymeter "Dahlta 020" with table "Karti 250" constructed by the firm Carl Zeiss, Jena. Przegl geod 34 no.1: 21-24 '62.

CHADALSKI, R.

The problem of improving the quality of evaporated salt at Wieliczka. p. 251.

PRZEMYSL CHEMICZNY. Ministerstwo Przemyslu Chemicznego i Stowarzyszenie Naukowo-Techniczne Inayhierow i Technikow Przemyslu Chemicznego. Warszawa, Poland, Vol. 38, No. 4, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September, 1959. Uncl.

CHADERA, F.G.

Chadera, F. G. Investigation of the stability of a rectangular plate of variable thickness by the method of finite differences. Akad. Nauk Gruzin. SSR. Trudy Tbilis. Mat. Inst. Razmadze 17, 191–201 (1949). (Russian. Georgian summary)

S. E. Mikeladze [e.g., Akad. Nauk SSSR. Prikl. Mat. Meh. 12, 219–222 (1948); these Rev. 9, 622] has developed a general method of solving by finite differences the differential equations with boundary conditions of applied mechanics. The author used the above mentioned method for finding the coefficient of stability of a thin rectangular plate hinged on the edges. The plane of symmetry of the plate passes through the (x, y)-plane and two edges coincide with the x and y axes respectively. The variable thickness of the plate is a function of y and the plate is compressed along the edges parallel to x-axis. The author compares his results with those for a square plate with constant rigidity, given by S. P. Timoshenko [Theory of Elastic Stability, McGraw Hill, New York, 1936]. The agreement is good. The author also claims that the method of finite differences is simpler and requires less computations than the one shown by P. F. Papkovich [Applied Mechanics of a Ship, vol. II, Gosstrolizdat, Leningrad, 1941 (Russian)]. *T. Lesey*

Source: Mathematical Reviews, Vol 13 No 3

28(5) SOV/115-59-3-10/29

AUTHOR: Chadayev, A.F., and Navskiy Ye.V.

TITLE: A Device for Adjusting Large Micrometers (Prisposobleniye dlya dovodki bol'shikh mikrometrov)

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 3, p 16 (USSR)

ABSTRACT: The author developed a device, shown by figure 1, for adjusting (lapping) the measuring surfaces of micrometers having a measuring range of more than 100 mm. This device is used at the Gor'kiy avtozavod (Gor'kiy Automobile Plant). A cast iron lap is used having a hardness of 90-120 H_B with the following chemical composition: 4% carbon, 2.8% silicon, 0.7% manganese, 0.12% phosphorus, 0.2% chrome and not more than 0.016% sulfur. The structure of the lap must be graphitic, medium or fine-laminar; the metallic basis must have ferrite structure, perlite inclusions must not exceed 25%. For preliminary

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