

NAIDA, H-4

7.11.54

Fuel Abstracts
Vol. XV, No.2
Feb. 1954

Industrial Furnaces,
Kilns, etc.: Combustion.

✓ 1619. INCREASING SERVICE LIFE OF REFRATORIES IN GLASS TANKS.
Naida, A.A. (Steklo Keram. (Glass & Ceramics, Moscow), Apr. 1953, 27).

4/13/54
MK

NAIDENOV, A.; MAZDRAKOV, P.

Investigation of the content of oxalates in vegetables of the Solanaceae family. p. 157

Bulgarska akademija na naukite. Institut po biologija "Metodi Popov."
IZVESTIJA, BULLETIN. Sofia, Bulgaria, Vol. 9, 1958

Monthly List of East European Accessions (MEAI), IC, Vol. 6, No. 12,
December 1959
Uncl.

NAIDENOV, A.

Progressive methods in coal mining production. p. 35

MINNO DELO. Vol. 10, No. 6 Nov./Dec. 1955

Sofiya, Bulgaria

So. East European Accessions List

Vol. 5, No. 9

September, 1956

NAIDENOV, A.

NAIDENOV, A. Slag-breaking machine. p. 22.

Vol. 6, No. 9, Sept. 1956.

RATSIONALIZATSIIA.

TECHNOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 3, March 1957

NAIDENOV, A.

NAIDENOV, A. Improving the quality of our coal. p. 5.

Vol. 11, No. 3, May/June 1956.

MINHO DELO

TECHNOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 2, February 1957

NAIDENOV, A.

"An electromagnetic vibrator serving constructors."

p. 18 (Ratsionalizatsiia) Vol. 7, no. 4, Apr. 1957
Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EMEA) LC. Vol. 7, no. 4,
April 1958

NAIDENOV, A.

"Let us make wide use of the experiences of our front-rankers."

p.11 (Minno Delo, Vol. 12, no. 2, Mar./Apr. 1957, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

NAIDENOV, As., inzh.

Reducing the designing and construction work and the
technological effectiveness of machine parts. *Mashinostroyeniye*
11 no.11:26-29 N '62.

NAIDENOV, A.M., inzh.

Methods of reducing the weight of casting deadheads.
Mashinostroene 11 no.2:17-19 F '62

1. VMKO "Mashproekt."

MAIDENOV, A.K., inzh.

Computation and construction of K-H-V planet gearing. Mashino-
stoenie 13 no.5814-16 '64

KOSTOV, K.; NAIDENOV, As., inzh.

Technical and economic analysis in designing new machines.
Mashinostroene 13 no.11:4-7 N '64.

KRUSTEV, B.; NAIDENOV, B.

Apropos of the removal of parasternal lymph nodes in breast cancer. Khirurgiia (Sofia) 17 no.1:69-72 '64

1. Nauchno-izsledovatel'ski onkologichen institut, Sofia.
Direktor: prof. Ves. Mikhailov.

*

NAIDENOV, E. ; CHAUSHEV, M.

New induction heater for running water. p. 10.

Vol. 6, no. 11m Nov. 1955
ELEKTROENERGIJA
Sofiya, Bulgaria

So: Eastern European Accession Col. 5 No. 1 April 1956

NAIDENOV, E.

Calculating the coils of the electro-magnetic system connected in parallel to the source of alternating current and their static tractional characteristics. p.8.
(ELEKTROENERGIJA, Vol. 7, no. 6, June, 1956, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

NAIDENOV, Eftim

Size determination of magnetic circuits and damping sleeves
for timing relays with time lag at the cutting out. Mashinostroene
12 no.5:27-30. My '63.

NAIDENOV, Evt., dots. inzh.; TRONKOVA, M., inzh.

Influence of the coil jackets of alternating-current elec-
magnets on their temperature during air cooling. Mashinostroene
13 no.5:34-35 '64

1. NIPKIEF.

NAIDENOV, G.; MALINOV, T.; MINKOV, P.; ANCHEVA, G.; DIMITROVA, R.

Balneological treatment of chronic hepatitis in the Hissar resort. *Suvrem. med.*, Sofia 9 no.9:33-41 1958.

1. Iz Sanatorium no-1--Khisaria (Gl. lekar: Gr. Naidenov)
(BALNEOLOGY, in various dis.
hepatitis, chronic (Bul))
(HEPATITIS, ther.
balsol. in chronic hepatitis (Bul))

TELCHAROV, L.; NAIDENOV, G.

Clinico-experimental studies on therapeutic properties of Khisaria mineral Water from Momina Banja springs in hepatitis. Suvrem.med., Sofia no.8:28-34 '59.

1. Iz Katedrata po patofiziologija pri VMI "I.P. Pavlov - Plovdiv".
Zav.katedrata: prof. L. Telcharov i vutr. otdelenie na Obedine-
nia sanatorium - Khisaria. Nachalnik otdel: Gr. Naidenov.
(HEPATITIS ther.)
(MINERAL WATERS ther.)

NAIDENOV, G.N., TERZIISKA, N.

Climatic scheme at the Khisaria spa. Suvrem.med., Sofia no.8:
34-42 '59.

1. Iz vutreshnoto otdelenie na sanatoriuma v Khisaria i klinichnata laboratoria pri Detskiia sanatorium - Khisaria.
(BALNEOLOGY)

NAIDENOV, Gr.; ANCHEVA, Gr.

Treatment of peptic ulcer in Khisar spa. Suvrem med., Sofia no.3:
99-104 '61.

1. Sanatorium No.1, Khisarya.

(PEPTIC ULCER ther) (BALNEOLOGY)

NAIDENOV, Gr. N.

Balneotherapy of nephrolithiasis in Khisaria. Suvr. med. 12 no.6:
55-61 '61.

1. Iz Obedinenia sanatorium, Khisar.

(URINARY CALCULI ther) (BALNEOLOGY)

NAIDENOV, I.

Gathering and storing hay . p. 21.

Vol. 10, no. 6, June 1955
KOOOPERATIVNO ZEMEDELIE
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 1 Jan. 1956

NAIDENOV, I

"The Hygienic Significance of Salted Water for Production Workers, p. 46. Perspectives and Problems Before the Soviet Biologists. p. 48." (ZDRANNO DELO) Vol. No. 3 June 1952 Sofiya, Bulgaria.

SO: Monthly List of East European Accessions L.C. Vol. 2, No. 11, Nov. 1953, Uncl.

NAIDENOV, I

"Perspectives and Problems Before the Soviet Biologists. p. 48. The Hygienic Significance of Salted Water for Production Workers, p. 46." (ZDRANNO DELO) Vol. 6, No. 3
June 1952, Sofiya, Bulgaria

SO: Monthly List of East European Accessions L.6. Vol. 2, No. 11, Nov. 1953, Uncl.

NAIDENOV, Ivan

Investigations on rheumatism in Bulgaria. Izv.med.inst.,Sofia
11-12:135-144 1955.

1. Institut po khigienu (dir:dots.d-r Ivan Maidenov) pri Visshia
meditsinski institut I.P.Pavlov-Plodiv.
(RHEUMATISM, epidemiology,
in Bulgaria)

NAIDENOV, Iv., S., Prof.

Vibration disease. Suvrem. med., Sofia 7 no.4:105-108 1956.

1. Iz Katedrata po khigienu pri VMI I. P. Pavlov.--Plovdiv
(Zav. katedrata: prof. Iv. S. Naidenov).
(VIBRATIONS, injurious effects,
in workers (Bul))

HAIDENOV, KHR.

Naidenov, KHR. Elektricheski izmervaniia; uchebnik za tretii kurs na tehnikumite po elektrotehnika. Sofiya (Narodna prosveta) 1952. 140 p. (Electrical measurements; a textbook for the 3rd year of technical schools.

SO: Monthly List of East European Accessions, L.C., Vol. 3, No. 1, Jan '54 Uncl.

UZUNOV, Blagoi, inzh.; NAIDENOV, Khristo, inzh.; PAVLOV, Pavel.

Automation and telemechanization in water economy. Khidrotekh
i melior 6 no.7:195-197.

1. Chlen na redaktsionna kolegiia, "Khidrotekhnika i melioratsii"
(for Uzunov).

VASHE, P. [Vacher, P.]; MINKOV, Dim. [translator]; NAIDENOV, Khr. [translator].

Automation of line production. Pt. 2. Novosti avtomat telemekh.
no. 1:78-100 '62.

MOMCHILOV, Boris, inzh; POPOV, Boris, inzh.; NAIDENOV, Khristo, inzh.

Possibilities of increasing water discharge in the irrigation
pumping stations. Khidrotekh i melior 9 no.1:24-25,29 '64

NAIDENOV, L. M., inzh.

Possibility for economy of metal in constructing hubs and bearing supports. Mashinostroene 12 no. 11:28-30 N '63.

1. SPKI "Transpodemmash".

NAIDENOV, M.

Reconstruction of the potentiometer.p.22.
(Radio Vol. 4, no. 1, 1955, Sofiya)

SO: Monthly List of East European Accessions, (KEAL). LC, Vol. 4, No. 11,
Nov. 1955, Uncl.

НАИДЕНОВ, М.

DIMITROV, Sg.Prof. BAKER, B.; NAIDENOV, M.

Problem of the treatment of paraproctitis. Khirurgia, Sofia
8 no.5:387-396 '55.

1. Vissh meditsinski institut V. Chervenkov, Sofia, Klinika po
bolnichna khirurgia.

(RECTUM, diseases,
paraproctitis, surg.)

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NAIDENOV, M.

Cardiac wound with opening of the right ventricle. *Khirurgia, Sofia*
14 no.7:642-643 '61.

1. Medsanchast pri Durzhavnoto Minno Predpriatie "Georgi Dimitrov,"
Dimitrovgrad.

(HEART wounds & inj)

NINOV, L.; NAIDENOV, M.

Traumatic rupture of the trachea with stenosis in a closed thoracic injury. Khirurgia (Sofia) 15 no.1:96-97 '62.

1. Iz Mediko-sanitarnata chast pri Divizionen punkt za meditsinska pomosht "G. Dimitrov", gr. Dimitrovo.

(TRACHEA wds & inj)

NAIDENOV, M.

A case of pneumatosis of the small intestine. Khirurgiia
(Sofia) 16 no.5:485-486 '63.

1. Iz khirurgichnogo otdeleniia pri MSCh [Meditsinsko-sanitarnaya
chast'] - Pernik.

(PNEUMATOSIS CYSTOIDES INTESTINALIS)

NAIDENOV, N.

NAIDENOV, N. New method for protecting breakwaters from the destructive force of waves.
p. 67.

Vol. 8, No. 5, 1956.
TRANSPORTNO DELO
TECHNOLOGY
Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 2, Feb. 1957

NAIDENOV, N.

Causes of damaging quay walls and methods for their repair and maintenance.

P. 45, (Transportno Delo), Vol. 9, no. 5, 1957, Sofia, Bulgaria

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

NAIDENOV, N.

Accounting for the crop gathered by brigades and detachments. p. 28.
KOOPELATIVNO ZEMEDLIE, Sofiya, Vol. 10, no. 7, July 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

NAIDENOV, N.

AGRICULTURE

Periodical: OTCHETNOST I KONTROL NA SELSKOTO STOPANSTVO. Vol. 3, No. 7, 1958.

NAIDENOV, N. Advance in kind for cooperators. p. 279.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 2
February 1959, unclass.

NAIDENOV, N. Khr., inzh.

Development of chemical industries in Bulgaria, 1960-1980.
Biol i Khim 5 no.1:3-8 '63.

1. Glaven spetsialist kum Komiteta po khimia i metalurgia.

VULCHEV, Iv.; NIKOLOV, T., dots., k.t.n.; PETKOV, I.; NAIDENOV, N.

Preparation of fluxed manganese agglomerate. Godishnik khim
tekh 9 no.2:27-38 '62 [publ. '63].

1. Chlen na Redaktsionnata kolegia, "Godishnik na Khimiko-
tehnologicheskiia institut" (for Nikolov).

VULCHEV, Iv.; NIKOLOV, T.; PETKOV, I.; NAIDENOV, N.

Agglomeration of manganese ores. *Godishnik khim tekhn* 9 no. 1:
85-98 '62 [publ. '63].

NAIDENOV, N.

Scientific conference on the problems of poisoning in domestic animals, birds, and bees, caused by chemicals for plant protection. Selakostop nauka 2 no.9:1179-1180 '64.

TCMOV, Aleko; MAIDENOV, Naidon; POPOVA, Dobrina

Some statistical data on the hygienic properties of fiddlers
and livestock poisoning in Bulgaria. Selkhostop nauka 2 no.1:
92-99 '63.

NAIDENOV, P.

"Organizing Repairs in Sugar Factories." p. 32,
(LEKA PROMISHLENOST, Vol. 3, No. 3, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

PRODANOV, V., inzh.; NAIDENOV, P., inzh.

Floorings on the basis of polyvinyl chloride. Kozhi Sofia --
no. 5:11, 14, '62.

1. DIP "P. Karminchev", Ruse.

NAIDENOV, Petur

Personal material interest, and improvement of the quality of
production. Trud tseni 4 no.10:18-28 '62.

NAIDENOV, St.

Conference on pedigree breeding. Selkstop nauka 2 no.5/6:
709-710 '63.

NAIDENOV, Veselin

Zooplankton of the Studen Kladenets reservoir. Izv Zool inst
BAN 17:61-77 '64.

NAIDENOV, V.

Studies on the cladoceran and copepod fauna (Crustacea:
Cladocera, Copepoda) of some reservoirs of Bulgaria. Izv
Zool inst BAN no.12:197-214 '62.

NAIDENOW, V. [Naidenov, V.]

Studies on the zooplankton of the Danube River along the
Bulgarian shore. Doklady BAN 15 no.7:771-774 '62.

1. Vorgelegt von A. Walkanov korr. Mitglied der Akademie.

NAIDENOV, V.

Zooplankton along the Bulgarian bank of the Danube River. Izv
Zool inst BAN no.13:147-156 '63.

NAIDENOV, Veselin

Formation of galls. Prir i znanié 16 no.1:21-23 Ja '63.

1. Zoolog. institut na Bulgarskata akademiia na naukite.

NAIDENOV, V.

Plankton and dynamics of the main plankton forms in the Batak
Reservoir. Izv Zool inst BAN 15:151-183 '64.

NAIDENOV, Veselin

Importance of zooplankton for the quantitative and qualitative development of ichthyofauna in the Batak Reservoir.
Izv Zhivotn nauki 1 no.1:53-62 '64.

1. Zoological Institute of the Bulgarian Academy of Sciences.

NAIDUNOV, Vesselin

Distribution and migrations of zooplankton in the Euxine
reservoir in 1958-1960. Izv. Inst. Inst. BAN:165-190 16 Feb 61

MIKHAILOV, V., Prof.; ANDREEV, Bl.; K M N. NAIDENOV, V.; MARKOV, M.

Treatment of neoplastic diseases with TM. Suvrem. med., Sofia
9 no.4:42-43 1958.

1. Iz Nauchnoizsledovatel'skii onkologichen institut -- Sofia
(Direktor: prof. V. Mikhailov).
(CYTOTOXIC DRUGS, ther. use
2,4,6-tris-aziridinyl-s-triazine in cancer (Bul))

NAIDENOV, V.

Prescalenous biopsy in pulmonary cancer. Khirurgia, Sofia 14 no.7:
609-614 '61.

1. Nauchnoizsledovatel'ski onkologichen institut, Sofiia. Direktor:
prof. Ves. Mikhailov.

(LUNG NEOPLASMS diag)

KRUSTEV, B.; NAIDENOV, V.; MILEV, M.; KIROV, St.; NACHEV, Ch.

Chemotherapy of malignant tumors with the aid of perfusion.
Khirurgia 15 no.9/10:959-961 '62.

(PERFUSION) (ANTINEOPLASTIC AGENTS)

NAIDENOV, V.

Seventh International Symposium on Danube Research, held at
Bratislava. Priroda Bulg 12 no.3:111-114 My-Je '63.

NAIDENOVA, E.

Palygorskite from the Meden Rid copper ore deposits, Burges
District. Godishnik biol 56 no.2:297-304 '61-'62 [Publ. '63].

NAIDENOVA, E.

Palygorskite of the Meden Rid copper-ore deposit, Burgas region. Godishnik biol 56 297-304 '61/'62.

NAIDENOVA, Evd.; KOSTOV, Iv.

Relations of granitic and gneiss in one of the coasts near Iskreta,
Sofia District. Geolizhnik blol 57 no.1:93-110 162-163 [publ. '64].

DAMIANOV, Georgi, inzh.; NAIDENOVA, Olga, inzh.; VULCHEV, Nikola, inzh.

Normalization of the weaving process of the automatic cotton weaving
looms F-44. II. Tekstilna prom 10 no.6:12-17 '61.

NAIDENOVA, Penka

Use of the input-output balance in price planning. Trud tseni 4
no.6:35-45 '62.

MAIDENOVA, R.

"Bulgaria, Country of Ros s", P. 3, (GEOGRAFIA, Vol. 4, No. 3, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

NAIDENOVA, R.

"Fruit Culture in Bulgaria."

p. 4. (Geografiia, Vol. 8, No. 6, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, VOL. 7, No. 11,
Nov, 1958

BOIKOV, B.; NAIDENOVA, S.

Rimifon in complex therapy of tuberculous meningitis in children.
Suvrem.med., Sofia 6 no.8:84-90 1955.

1. Iz Okrushnata bolnitsa gr. Vratsa (gl. lekar: Khr. Sdravkov)
(TUBERCULOSIS, MENINGEAL, in infant and child,
ther., rimifon)
(NICOTINIC ACID ISOMERS, therapeutic use,
rimifon in meningeal tuberc. in child.)

HAIDENOVA, TS; KOTEV, N.; PETROV, M.

"Growth of the poplar trees near the village of Ostrov."

GORSKO STOPANSTVO, Sofia, Bulgaria, Vol. 15, no. 4, Apr. 1959

Monthly list of East Europe Accessions (EMAI), IC, Vol. 8, NO. 6, Sept 59
Unclass

SCHAPKAREWA, K.; NAIDENOWA, Z.; JAKIMOWA, M.

Changes in external breathing and in the cardiovascular system
in infants with pneumonia. Cesk. pediat. 20 no.3:358-361
Mr '65

1. Wissenschaftliches Institut für Pädiatrie, Sofia.

1,1900

3/226/02/000/004/010/012
1003/1203

1.1600

AUTHOR: Yerezenko, V.N., Maidich, Yu.V., Lavrinenko, I.A.

TITLE: Investigation of the compression process during sintering in the presence of a liquid phase

PERIODICAL: Poroshkovaya Metallurgia, no.4, 1962, 72-39

TEXT: The sintering of metal powders in the presence of a liquid phase has so far been little investigated. The kinetics of such processes may considerably differ from those which take place during the sintering of solid metal powders. Three different mechanisms of sintering in the presence of a liquid phase are considered: The kinetics of sintering W-Cu and TiC-Ni powders under the above conditions were investigated by means of a dilatometric device. The density of the W-Cu metal powder increases sharply with the temperature of sintering and reaches a maximum value at 1300° - 1350°C. This increase in density is probably due to the increase in wetting of the tungsten by copper. A complete compression in the TiC-Ni metal powder is achieved when the content of the liquid phase is not less than 20-25 vol%. There are 12 figures and 2 tables.

Card 1/2

S/223/62/000/004/010/012
I003/I203

Investigation of the compression...

ASSOCIATION: Institut metallokeramiki i spetsial'nykh splavov AN USSR (The Institute
of Metal Powders and Special Alloys of the AS UkrSSR)

SUBMITTED: February 17, 1962

NAIDIN, A.

Science news. Rev min 14 no.11:516-520 N'63.

NAIDIN, A., geol.; VARNA, A., ing.

Results of the geologic research in the Maramures region. Rev min 15
no.2:49-55 F 64.

NAIDIN, P.D.

Fundamental characteristics of the tectonics of the Lvov-Lublin
Basin. Analele geol geogr 7 no.1:39-53 Ja-Mr '64.

MAIDIN, P. G.

"The Geographical Network of Experiments with Fertilizers," Its Tasks and Programmatic Problems of the Near Future," a paper read at the Conference on Problems of Agricultural Chemistry in the New Five-Year Plan held 17-20 May 1946.

Vestnik AS SSSR 8/9, 1946

NAIDIN, P.^G, Prof.
^

Fertilizers and Manures

Application of fertilizers is the most important possibility for increasing yield in the non-chernozem belt, Kolkh. proizv. 13, No. 2, 1953.

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

NAIDIN, P; CERNAVIN, A.

Supplementary fertilizers in spring for autumn cultivation; we learn from the Soviet experience.

P. 21 (DRUMUL BELSUGULUI) (Bucuresti, Rumania) No. 3, Mar. 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5, 1958

NAIDR, J. (Belvedere, Pod Jelenim skokem 30, Karlovy Vary)

Bonniger technic for microdetermination of hematocrit. Cesk. pediat.
13 no.4:345-350 5 May 58.

1. Detska klinika VIA J. Ev. P., Hradec Kralove predn. prof. Dr. J. Blecha.
(MYRTHROCYTES
microhematocrit, Bonniger technic (Cz))

NAIDUSKEVICIUS, R., otv. red.; POLUIKIS, J., red.; KRUPOVNICKAS, V.,
tekh. red.

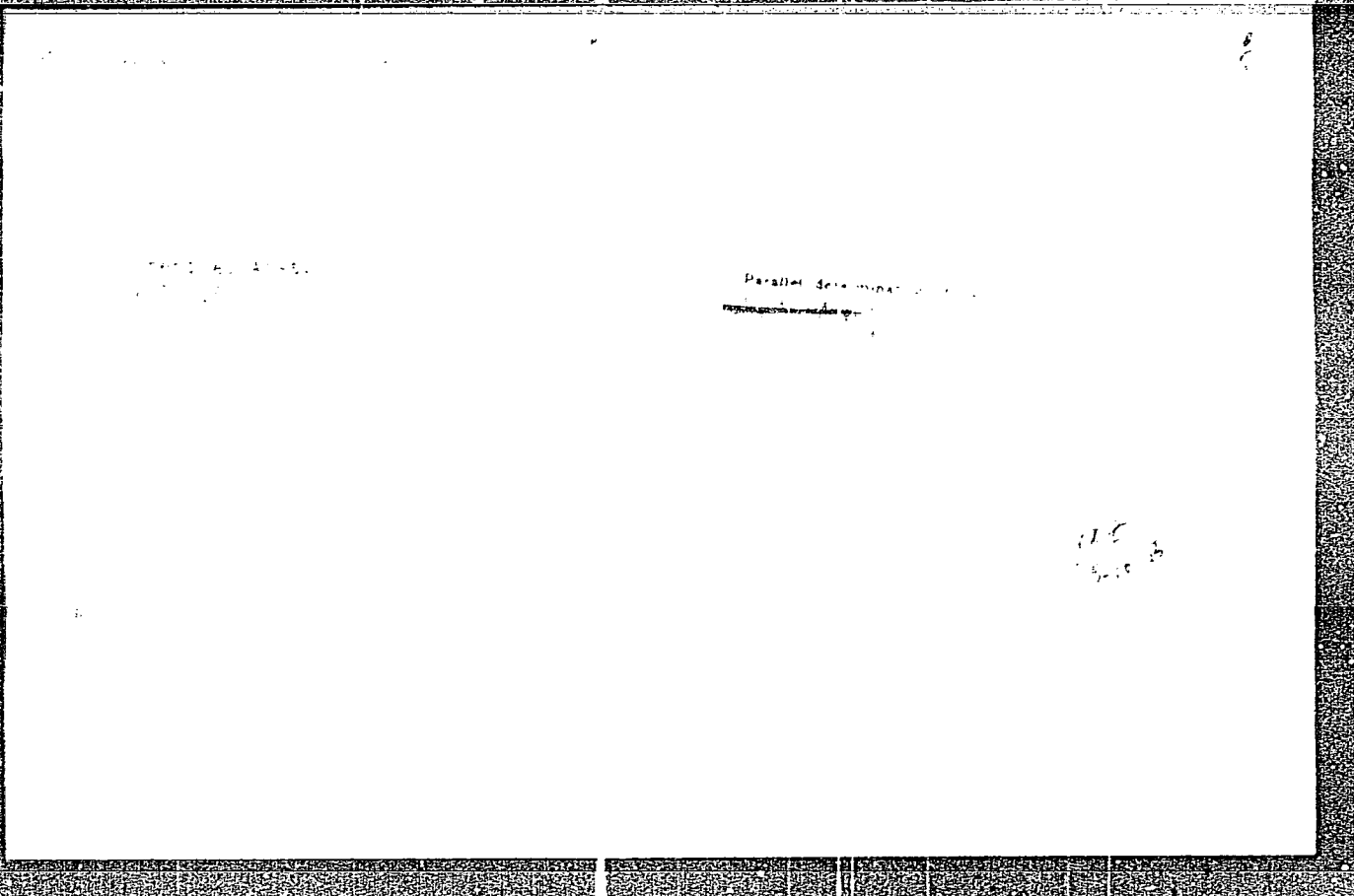
[Means of production in the machine and machine-tool industry
of the Lithuanian S.S.R.] Gamybos rezervai Lietuvos TSR masinu
ir prietaisu pramoneje. Vilnius, 1962. 135 p. (MIRA 16:1)

1. Lietuvos TSR Masinu ir Prietaisu Gamybos Pramonės Darbuotoju
Ekonomine Konferencija, Vilnius, 1962.
(Lithuania--Machinery industry)
(Lithuania--Machine-tool industry)

MAHITOVA, O.A.; KRIBINTOVSEAYA, A.Ye.

Content of sulfhydryl groups of protein and nonprotein compounds
in the blood of hypophysectomized dogs. Nauch. trudy vuzov. med.
Inst. 15:40-83 '82. (1982: 27-9)

1. Kafedra patologicheskoy fiziologii (zav. kafedroy - prof.
L.N. Lazick) i kafedra biokhimii (zav. kafedroy - prof. G.M. Ushakov)
Vysshnogo meditsinskogo Instituta imeni Pavlova.



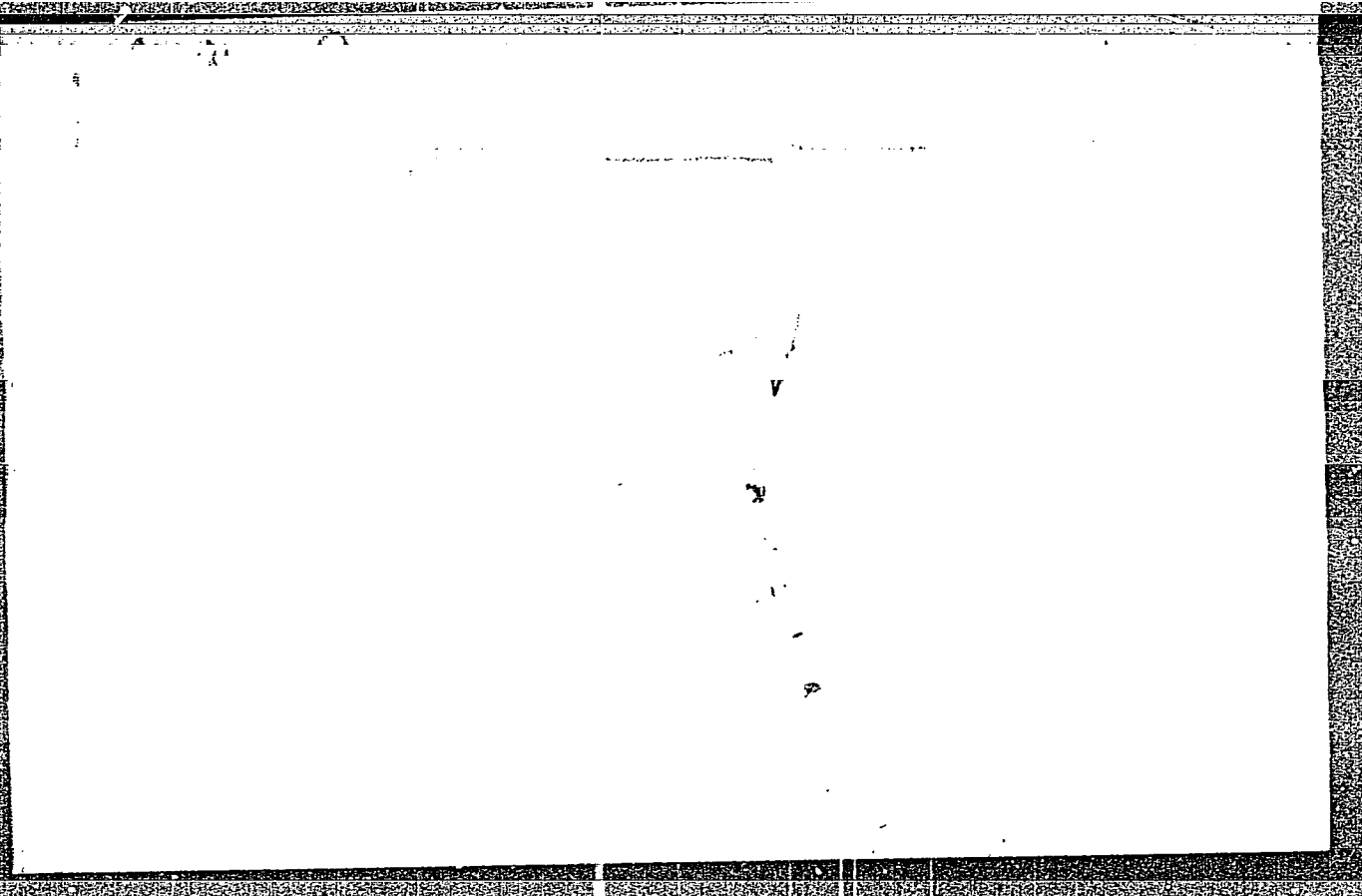
NAIMSKI, Henryk, inz.

Protection of telecommunication lines from harmful interferences of electric power lines, as discussed by Study Commission V of the International Telegraph and Telephone Consultative Committee (CCITT).
Przeegl telekom 34 no.9:276-277 S '61.

KRAUZE, R.; NAIMSKI, K.[deceased]; ZAKRZEWSKI, K.

Isolation of γ -globulins by means of zinc and aluminium salts. Acta
biochim. polon. 8 no.2:209-217 '61.

1. The Research Laboratory, Serum and Vaccine Production Board, and
The Department of Biochemistry, Institute of Haematology, Warsaw.
(GAMMA GLOBULIN chem)



Handwritten: Name J

NAINAR, J.

Sulfurized piston rings.

P. 326. (Automobil. Vol. 1, no. 10, Oct. 1957, Praha, Czechoslovakia)

Monthly Index of East Europe Accessions (EEAI) IC. Vol. 7, no. 2,
February 1958

NATNAR, J.

Molybdic sulfide, a modern means for preventing seizure and wear.

p. 703 (Strojirenstvi. Vol. 7, no. 9, Sept. 1957. Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) IC. Vol. 7, no. 2,
February 1958

NAINAR, J.

Distr: 4E2c

Discussion concerning surface treatments and the possibilities of their application to mechanisms working at elevated temps. Jiji Nainar, *Materialovy Sbornik* 1938, 183-91 (Pub. 1939). A survey is given of the main factors which influence fretting and wear of metals under sliding friction at higher temps. Possible methods able to increase the resistance of materials to fretting and wear by adequate treatment are indicated and evaluated. The results of lab. fretting tests on steels designed to work at higher temps. are listed. Part of the tested materials has been surface treated, by using hard Cr plating, nitriding, diffusion sulfurizing or selenizing, and Ag plating. Coeffs. of dry sliding friction and the relative resistance of various pairs of materials to fretting have been stated, by using a speed of 0.0254 m./sec., temp. up to 600°, and specific pressures up to 1400 lb./sq. in. F. H. Lieben—

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jt

Z/032/61/011/010/005/007
E073/E535

AUTHOR: Nainar, J.

TITLE: Investigation of the friction properties of
sulphonitrided surfaces

PERIODICAL: Strojírénství, 1961, Vol.11, no.10, p.794

TEXT: The report covers a part of a comprehensive project on "Investigation of sulphonitrided layers with a high resistance against seizing" and deals with investigation of the friction characteristics of sulphonitrided surfaces which are treated according to various methods, both in a bath and in a gaseous medium. In the tests the following materials were investigated according to the specification ČSN:12 013 (behanite), 12 060, 15 241 (Poldi CVZ) and 42 2424 (inoculated grey iron). A description is given of the equipment and of the test methods used. The relative resistance against seizing of the investigated materials after various treatments of the rubbing surfaces was determined and the achieved results are summarised. ✓

1961, Prague: SVÚMT Z-60-840

[Abstractor's Note: Complete translation.]
Card 1/1

ACCESSION NR: AP4018063

Z/0034/64/000/003/0227/0227

AUTHOR: Nainar, J. (Engineer, Candidate of sciences); Filip, R. (Engineer);
Hasil, F. (Engineer)

TITLE: Method of making the friction surfaces of machine parts from metallic materials

SOURCE: Hutnicke listy, no. 3, 1964, 227

TOPIC TAGS: friction surface, machine part, iron alloy, diffuse sulfurizing, selenizing, nitridizing, friction-resistant layer, carbon steel, low-alloy steel, gray cast iron

ABSTRACT: The invention concerns a method of making friction surfaces of machine parts from iron alloys by diffuse sulfurizing, selenizing or nitridizing or a combination of them, whereby boron with a concentration of at least 0.05% by volume in the active medium can be simultaneously diffused into the part. In creating diffuse surface layers in the liquid medium, the usual means are used for sulfonitridation, nitridation or nitrocementation, to which are added boron compounds that are liquid at the temperature of the process, e.g. of the BH_3 type, in the

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ACCESSION NR: AP4018063

proportion 200:1 to 10:1. The whole process takes place at over 300C, lasting 1/2 to about 30 hours, according to the desired thickness of the layer of material treated and the process used in the production proper. The method produces harder and very friction-resistant layers, especially in carbon and low-alloy steels and gray cast iron.

ASSOCIATION: none

SUBMITTED: 00

SUB CODE: ML

DATE ACQ: 18Mar64

NO REF SOV: 000

ENCL: 00

OTHER: 000

Card 2/2

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