

SMULEVICH, B.Ya.

Malthusianism vs. public health. Sov.med. 18 no.9:19-23 S '54.
(MLRA 7:11)

1. Iz instituta organizatsii zdavookhraneniya i istorii
meditsiny imeni N.A.Samashko (dir. - kandidat meditsinskikh nauk
Ye.D.Ashurkov) Akademii meditsinskikh nauk SSSR.

(PUBLIC HEALTH

endangered by malthusianism)

(POPULATION

malthusianism, eff. on pub. health)

1.1.1.1. . . .

1.1.1.1.1. - "The origins of concepts of epidemiological theories of public health"
(the social relations of public health and their reflection in the theories of
bourgeois scholars). Moscow, 1955. Acad. Sci. USSR. (Dissertation for degree
of Doctor of Medical Sciences.)

2. Antisovetskaya letopis', No. 11. 26 November 1955. Moscow.

SMULEVICH, Boleslav Yakovlevich; ASHURKOV, Ye.D., redaktor; VINOGRADOV,
N.A., redaktor; MAZUR, M.M., redaktor; SENCHILO, K.K., tekhnicheskii
redaktor

[The state of health of the population and methods of studying it;
a lecture] Sostoianie zdorov'ia naseleniia i metody ego izucheniia;
leksiia. Pod obshchei red. E.D.Ashurkova i N.A.Vinogradova. Moskva,
Gos. izd-vo med. lit-ry, 1956. 44 p. (MLRA 9:7)
(HEALTH SURVEYS)

Name: SMULEVICH, Boleslav Yakovlevich

Dissertation: Critique of contemporary bourgeois theories of health (social problems of health and reflections of them in the theories of bourgeois scientists)

Degree: Doc Med Sci

Affiliation: Inst of Organization of Health and History of Medicine, Acad Med Sci USSR

Defense Date, Place: 6 Apr 56, Council of Department of Hygiene, Microbiology and Epidemiology, Acad Med Sci USSR

Certification Date: 16 Nov 57

Source: BMVO 24/57

SHULEVICH, B.Ya.

Social problems in public health; problem of social hygiene. Gif. i
san. 22 no. 4:53-59 Ap '57. (MLRA 10:9)

1. Iz Instituta organizatsii zdravookhraneniya i istorii meditsiny
Ministerstva zdravookhraneniya SSSR.
(SOCIAL HYGIENE,
(Rus))

SMULEVICH, B.Ya.

Methods in public health planning. Sov.zdrav. 17 no.1:30-33 Ja '58.
(MIRA 11:2)

1. Iz Instituta organizatsii zdavookhraneniya i istorii meditsiny
imeni N.A.Semashko Ministerstva zdavookhraneniya SSSR (dir. -
Ye.D.Ashurkov)

(PUBLIC HEALTH

in Russia, fundamentals of planning (Rus))

SMULEVICH, B.Ya.

Bourgeois public health policy and its contradictions. Sov.zdrav. 17
no.2:12-20 F '58. (MIRA 13:1)

1. Iz Instituta organizatsii zdravookhraneniya i istorii meditsiny
imeni N.A. Semashko Ministerstva zdravookhraneniya SSSR (dir. Ye.D.
Ashurkov).

(PUBLIC HEALTH
in U.S. (Rus))

FA Smulevich, Boleslav Yakovlevich

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Morbidity, Mortality, and the Physical Development of the Populace, USSR.

New York, U.S. Joint Publications Research Service, 1959.

140 p. Tables (JPBS: 1632-N; CSo: 1914-N)

Tr. From the Original Russian: Sostoyaniye Zdorov'ya Naseleniya I Metody

Yego Izucheniya. Lek. 3. Moskva, 1957, p. 3-132; Zabolevayemost',

Smertnost', I Fizicheskoye Razvitiye Naseleniya.

SMULEVICH, B.Ya., doktor meditsinskikh nauk, kandidat ekonomicheskikh nauk

Neo-Thomist medical sociology under the guise of social hygiene.
Vest. AMN SSSR 14 no.12:79-83 '59. (MIRA 13:4)
(PUBLIC HEALTH)

SMULEVICH, B.Ya., doktor med. nauk, kand. ekon. nauk.

Discussion on social hygiene. Sov. zdrav. 18 no.3:42-48 '59.
(SOCIAL HYGIENE (MIRA 12:3)
in Russia (Rus))

SMULEVICH, B.Ya., doktor med.nauk, kand.ekonom.nauk (Moskva)

Evolution of bourgeois social hygiene from reformism to neofascism.
Sov.zdrav. 18 no.8:3-10 '59. (MIRA 12:12)
(PUBLIC HEALTH)

BATKIS, G.A.; SMULEVICH, B.Ya. (Moskva)

On scientific and theoretical principles of Soviet socialistic public
health. Sov.zdrav. 18 no.11:52-57 '59. (MIRA 13:3)
(STATE MEDICINE)

SMULEVICH, Boleslav Yakovlevich; ZHUK, A.P., red.; BALDINA, N.F., tekhn. red.

[Criticism of modern bourgeois social hygiene and medical sociology]
Kritika sovremennoi burzhuaznoi sotsial'noi gigieny i meditsinskoi
sotsiologii. Moskva, Gos. izd-vo med. lit-ry Medgiz, 1960. 337 p.
(MIRA 14:7)

(PUBLIC HEALTH)

SMULEVICH, B.Ya. (Moskva), doktor meditsinskikh nauk, kand. ekonomicheskikh nauk

Against oversimplification problems of public health theory. Sov. zdrav. 19 no. 8:21-25 '60. (MIRA 13:10)
(PUBLIC HEALTH)

SMULEVICH, B.Ya., doktor med.nauk, kand.ekonom.nauk (Moskva)

Methodological aspects in establishing the health status of the population. Sov.zdrav. 19 no.10:38-43 '60. (MIRA 14:1)

1. Iz Instituta organizatsii zdavookhraneniya i istorii meditsiny imeni N.A.Semashko Ministerstva zdavookhrnaniya SSSR.
(PUBLIC HEALTH)

MARKUZON, Fedor Davidovich; PRIVEZENTSEVA, A.G., red.; S.ULEVICH,
B.Ya., red.; VASIL'KOVA, Ye.V., tekhn. red.; IL'YUSHENKOVA,
T.P., tekhn. red.

[Sanitation statistics in prerevolutionary Russia and in the
U.S.S.R.] Ocherki po sanitarnoi statistike v dorevoliutsionnoi
Rossii i v SSSR. Moskva, Gosstatizdat, TsSU SSSR, 1961. 129 p.
(Sanitation--Statistics) (MIRA 15:2)

VIDY-VIRSKI, Feliks [Widy-Wirski, Feliks]; GORODINSKIY, F.V. [translator];
BARSUKOVA, M.I., prof., red.; SMULEVICH, B.Ya., doktor med. nauk,
red.; ZUYEVA, N.K., tekhn. red.

[Principal problems in the history of medicine] Ob osnovnykh proble-
makh istorii meditsiny. Pod red. M.I.Barsukova i B.IA.Smulevicha.
Moskva, Gos. izd-vo med. lit-ry Medgiz, 1961. 158 p. Translated
from the Polish. (MIRA 14:9)

(MEDICINE--HISTORY)

SMULEVICH, B.Ya. (Moskva)

Determination of influence of social systems on public health.
Sov. zdrav. 20 no.10:41-47 '61. (MIPA 14:9)

1. Iz Instituta organizatsii zdravookhraneniya i istorii meditsiny
imeni N.A.Semashko.
(PUBLIC HEALTH)

SMIRNOV, Mikhail Ivanovich, doktor med. nauk, kand. nauk. 1941
BUDKINA, V., red., LITIZS, Moscow, 1961.

[National health and sociology] *narodna znanost i*
antropologiya. Moscow, Svyaz, 1965. 240 p. (MIRA 1816)

3201 211 2, Kabanlaw (Moskwa)

not the "miracles of health" but scientifically founded
insurance of health and happiness of man. Zdrow. publiczne
no.4/5:117-127 Ap-My '65.

KAKITELASHVILI, Ya.V.; SMULEVICH, V.R.

Cavernous resection and simultaneous transplantation of intercosta
vascular-muscular pieces [with summary in French]. Probl.tub. 35
no.4:112-113 '57. (MIRA 10:8)

1. Iz kafedry tuberkuleza legkikh (zav. - prof. A.Ye.Rabukhin,
professor kafedry - L.K.Bogush) Tsentral'nogo instituta usovershen-
stvovaniya vrachey (dir. V.P.Lebedeva)

(TUBERCULOSIS, PULMONARY, surg.

cavernous resection & simultaneous transpl. of vasc.
musc. intercostal pieces (Rus))

SMULEVICH, V.B.

"Bronchiography" [in Polish] by K.Ossowska. Reviewed by V.B.
Smulevich. Vest.rent. i rad. 34 no.3:84-86 My-Je '59.
(MIRA 12:10)

(BRONCHI--RADIOGRAPHY) (OSSOWSKA, K.)

SMULEVICH, V.B. (Moskva, Starosadskiy per., d.4/5, kv.50)

Bronchography in pulmonary tuberculosis. Vest. rent. i rad. 35
no. 4:26-31 J1-Ag '60. (MIRA 14:2)

1. Iz kafedry tuberkuleza (zav. - prof. A.Ye. Rabukhin), 2-y kafedry rentgenologii (zav. - prof. Yu.N. Sokolov) Tsentral'nogo instituta usovershenstvovaniya vrachey (direktor M.D. Kovrigina), klinicheskoy bol'nitsy "Zakhar'ino" (glavnyy vrach V.P. Petrik) i Tsentral'noy klinicheskoy bol'nitsy imeni N.A. Semashko Ministerstva putey soobshcheniya (glavnyy vrach A.A. Potsubeyenko).
(TUBERCULOSIS) (BRONCHI—RADIOGRAPHY)

SMULEVICH, V. B. Cand Med Sci -- "Bronchography in pulmonary tuberculosis."
Mos, 1961 (State Sci Res X-Ray Radiological Inst of the Min of Health RSFSR)
(KL, 4-61, 211)

-370-

SMULEVICH, V.B.; SHERMAN, A.Sh.

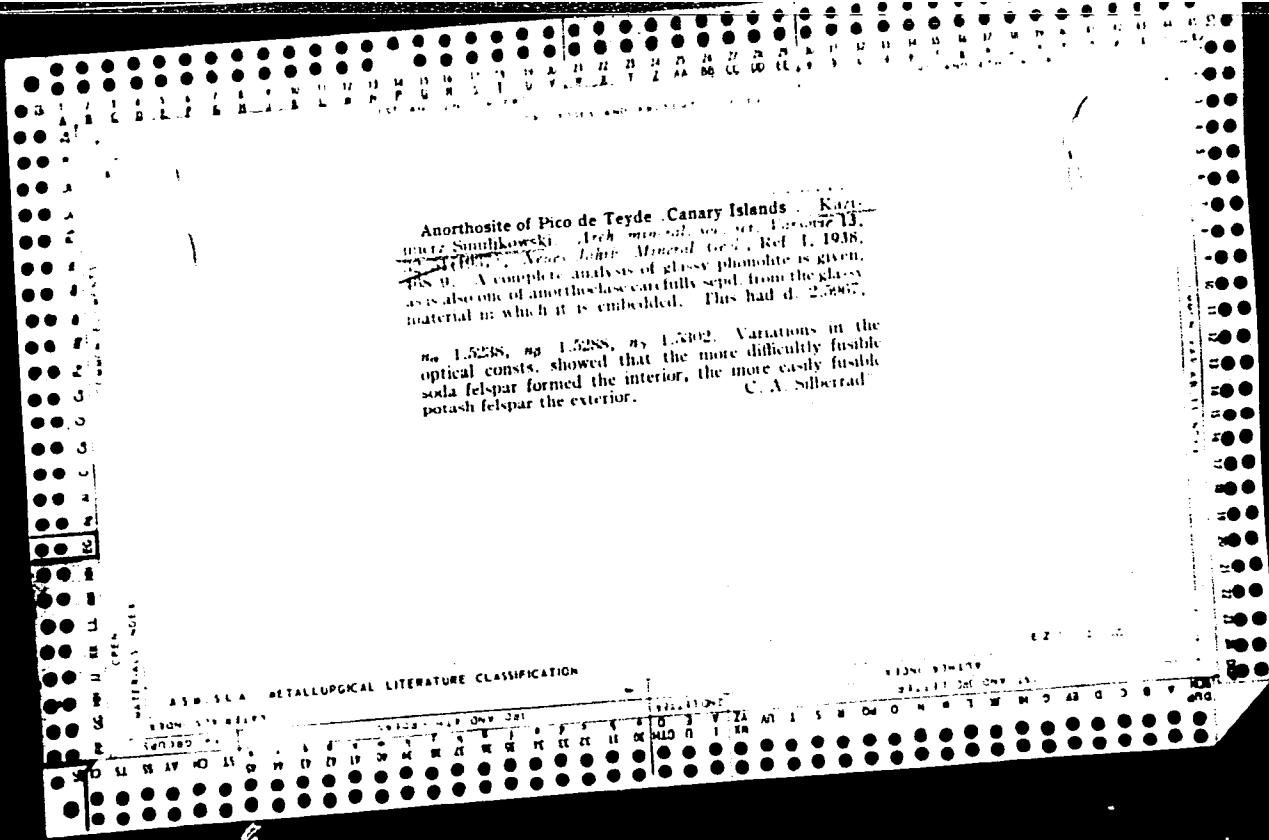
Experience in bronchography in an antituberculosis clinic.
Probl.tub. 39 no.2:98-100 '61. (MIRA 1423)

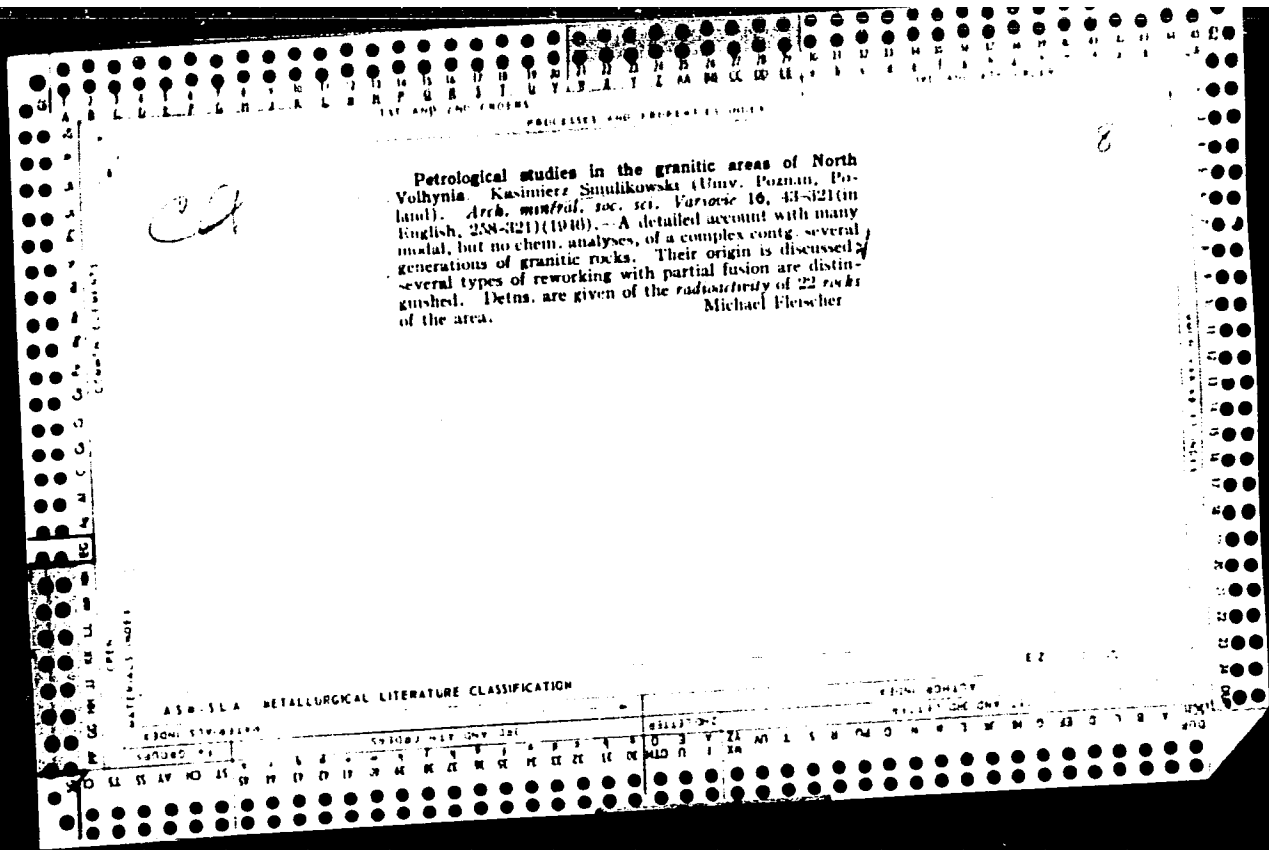
1. Iz kafedry tuberkuleza (zav. - prof. A.Ye. Rabukhin) Tsentral'-
nogo instituta usovershenstvovaniya vrachey (dir. V.P. Lebedeva)
i protivotuberkuleznogo dispansera No.11 (glavnyy vrach G.V.
Kotsubey, zamestitel' po meditsinskoy chasti M.M. Zakin)
(TUBERCULOSIS) (BRONCHI--RADIOGRAPHY)

BULANOVA, S.I.; SMULEVICH, V.B.; SHERMAN, A.Sh.

Role of a dispensary for tuberculosis control in the detection of lung cancer. Vop. onk. 11 no.3:85-89 '65. (MIRA 18:6)

1. Iz protivotuberkuleznogo dispansera No.11 Moskvy (glavnyy vrach - kand. med. nauk A.Sh. Sherman) i 1-go khirurgicheskogo otdeleniya (zav. - doktor med. nauk B.Ye. Peterson) Instituta eksperimental'noy i klinicheskoy onkologii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. N.N. Blokhin).





SMULIKOWSKI, KAZIMIERZ

Chew

Smulikowski, Kazimierz: Geochemia. Warsaw: Wy-
dawn. Państwowego Inst. Geol. 1952. 303 pp.

Smulikowski, Kazimierz: Geochemistry. Warsaw: National Geol. Inst. 1952. 303 pp.

Smulikowski, K

Crystallochemical aspects of glauconite. K. Smulikowski. *Bull. acad. polon. sci., Classe III, 2, 41-44 (1964)*

English).—Analyses of 68 glauconites and 67 other micas (muscovite, biotite, phengite, sericite) selected from the literature were recalcd. for cation ratios according to the formula $R_xM_y(OH)_zSi_uAl_vO_{10} \cdot nH_2O$, where R = large cations (K, Na, Rb, Cs, Sr, Ba) and M = medium cations (Al, Fe, Mg, Ti, Li, Mn). y , x , and w are related as follows: $y + c = x + s + 3u$, where c = sum of large divalent interlayer cations, s = sum of medium cations of valence other than 3, and $u = 2 - w$, pos. if $w < 2$, neg. if $w > 2$. For glauconites $x \ll y \leq 1$, $w \cong 2$, and $Al^3 < Fe(III)$. In glauconites, $x = 0.1-0.7$ (usually 0.3-0.4), $y = 0.5-1.0$ (usually 0.7-0.8), $Fe(III)$ in the octahedral layer is 1.0-1.1, and Al is 0.3-0.4. The statistical av. compn. of glauconite is $(K_{0.4}Na_{0.4}Ca_{0.4})(Fe^{II}_{0.8}Mg_{0.4}Al_{0.4}Fe^{III}_{1.1})_2(Si_{4.4}Al_{0.6}O_{10}(OH)_1 \cdot nH_2O$. When dried above 180°, the glauconite lattice shrinks and H_2O molcs. can no longer be reabsorbed in interlayer spaces. Constitutional water (OH ions in tetrahedral layers) is expelled above 400°. The older the glauconite and the higher the CaO content of the contg. sediment, the smaller is the excess of $Fe(III)$ over Al in the octahedral layer and the greater the proportion of interlayer cations. This may be due to accidental selection of analyses. A classification of micas is given based on relative values of x , y , and w .

Esther W. Claffy

Smulikowski Kazimierz

POL.

The problem of glauconite. Kazimierz Smulikowski
 (Univ. Warsaw). *Polska Akad. Nauk, Kom. Geol., Arz.*
Mineral. 18, 21-120(1964)(in English).—A comprehen-
 sive review with 60 references. Chem. analyses of 68
 glauconites are recalc. and compared with 87 analyses of
 illites, hydrous micas, muscovites, phengites, sericites, and
 biotites. The general formula of glauconite is R_xM_y
 $[Si_{4-x}Al_xO_{10}(OH)_2 \cdot nH_2O]$, with $x < y < 1$, $w = 2$, and $Fc >$
 Al in octahedral coordination. The glauconites grade
 into the illites in compn. In glauconite the Al content in
 the octahedral layer and the total interlayer cations appear
 to increase with the geol. age of the samples and with the
 CaCO₃ content of the sediments. This seems to indicate
 variation during geol. time of the compn. of the ocean.
 Michael Pietscher

SMITHSONIAN, K.

Thomas F. W. Barth's Theoretical Petrology; a book review. p. 325.
ARCHIWUM WISNIAKOWISZCZY, Warszawa, Vol. 16, no. 4, 1954 (published 1955).

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

S. ULIKOWSKI, E.

Thurgott, S. Geochimica et Cosmochimica Acta; a review of a periodical. p. 338.
Polish mineralogical bibliography, 1940-1950. p. 339.
ARCHIWUM HISTORICZNE, Warszawa, Vol. 10, no. 2, 1954 (published 1955).

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

SMULIKOWSKI, K.

Cataclasites in the neighborhood of Cieszow, Lower Silesia. Kasimierz Smulikowski (Univ. Warsaw). *Bull. Inst. Geol.* No. 112, 5-77 (in English, 67-76) (1956).—Spilitic and keratophytic lavas and tuffs are bordered by cataclastic quartz-albite rocks and by greenstones cut by secondary albite and quartz. Petrographic data and a chem. analysis of a rock are given. Michael Fleischer

SMULIKOWSKI, KAZIMIERZ

Zagadnienie genetycznej klasyfikacji granitoidow. Problems of genetic classification of granitoids. 115p.

Warszawa, Poland 1958

Monthly List of European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959

Uncl.

SMULIKOWSKI, K.

Some suggestions concerning the origin of South-Bulgarian granitoid massifs. Bul geolog PAN 8 no.2:79-84 '60.

1. Institute of Geology, Polish Academy of Sciences.

(Bulgaria) (Granite)

SMULIKOWSKI, Kazimierz, prof.

The Geological Sciences Centre from 1956-1960, and its responsibilities for the future. Review Pol Academy 6 no. 4:39-44 C-D '61.

1. Director of the Geological Sciences Center, Warsaw, Palac Staszica, Nowy Swiat 72; Corresponding Member of the Polish Academy of Sciences.

SMULIKOWSKI, Kazimierz

The Institute for Geologic Sciences in the five year period 1956-1960 and its assignments for the future. Nauka Polska 9 no.3:109-120 '61.

1. Członek korespondent Polskiej Akademii Nauk, Zakład Nauk Geologicznych, Kierownik: Smulikowski, Kazimierz, prof., Warszawa, Pałac Staszica, Nowy Swiat 72.

SMULIKOWSKI, Kazimierz

Institute of Geology, Polish Academy of Sciences in the years
1956-1960. Przegl geol 9 no.6:302-307 Je '61.

(Polish Academy of Sciences) (Geology)

SMULIKOWSKI, K

An attempt at eclogite classification. Bull geolog PAN 12
no.1:27-33 '64.

1. Institute of Geological Sciences of the Polish Academy of
Sciences, Warsaw. Submitted January 22, 1964.

SMULIKOWSKI, W.

The metamorphic evolution of gneisses of Mount Gierniak in Eastern Sudeten. *Bul Ac Pol chim.* 6 no.8:529-535 '58. (EEAI 9:6)

1. Petrological Laboratory, Geological Institute, Polish Academy of Sciences. Presented by K. Smulikowski.
(Poland-- Gneiss)

SMULIKOWSKI, W.

Evolution of the amphibolite complex of Upper Revdalen, (Hornsund region, Vestspitzbergen). Bul geolog PAN 8 no.2:85-93 '60.

1. Institute of Geology, Polish Academy of Sciences. Presented by K. Smulikowski.

(Spitsbergen) (Amphobolite)

SMULKOWSKI, J.

"Field planting of cumin seed." p. 13
(Plon, Vol 4 No 4 Apr 53 Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Uncl

SMULKOWSKI, J.

✓ A quantitative method for determining ascorbic acid.
J. Smulkowski, *Farm. Polska* 11, 132-4 (1955).—A semi-
microanalytical method for detg. ascorbic acid (I) in pharma-
ceutical preps. was developed based on the reaction of
 H_2SeO_4 with I. The sample contg. I was treated with an
excess of H_2SeO_4 in the presence of H_2SO_4 , and the excess
detd. iodometrically. L. J. Piotrowski

MA
8/27/55

SMULOV, N.

Some unfounded recommendations on the use of machinery in laying concrete surfaces ("Over-all mechanization of concrete surface construction." A.N.Zashchepin, M.S.Zel'manovich, N.R.Luk'ianov. Reviewed by N.Smulov). Avt.transpr.32 no.6:40 Je '54.(MLRA 7:9) (Roads, Concrete) (Zashchepin, A.N.) (Zel'manovich, M.S.)

SEMPINSKI Ewa, SMULSKA Barbara, HLYNIAK Jolanta

Quantitative determination of pyridoxal by colorimetric method.
Nauki o chemii przyrodz. Lódz no. 10 1970 155.

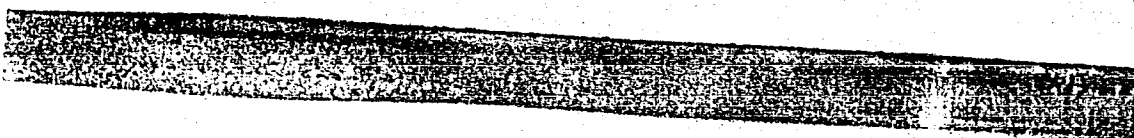
Department of Biochemistry, University, Lódz.

USHAKOV, S.N.; KLIMOVA, O.M.; KARCHIBARCHIK, O.S.; EMUL'SKAYA, E.M.

Synthesis of blood substitute polymers exhibiting the properties of inhibitors-antioxidants. Dokl. AN SSSR 143 no.1:231-234 Mr '62. (MIRA 15:2)

1. Chlen-korrespondent AN SSSR (for Ushakov).
(BLOOD PLASMA SUBSTITUTES)
(VINYL COMPOUND POLYMERS)
(CANCER RESEARCH)

SMUL'SKAYA, O. P.



A biological method for the preservation of apple juice of low alcohol content. O. P. Smul'skaya. *Trudy Odess. Tekhnol. Inst. Pecherol i Kvasarn. Prom.* 5, No. 2, 99-118 (1953); *Referat Zhur., Biol.* 1955, No. 487.—Nitrogenous compds. are removed from the apple juice by growing of yeasts for 18-19 hrs. Apple juice in which total N has been reduced to 1/2 the original proved most stable. HD
B. S. Levine

SAUL'SKAYA, T.K., red.

[Russian-Czech dictionary on nuclear physics and engineering] Russko-cheshskii slovar' po iadernoi fizike i tekhnike. Moskva, Izd-vo "Sovetskaia Entsiklopediia," 1964. 303 p.
(MIRA 17:8)

SMULSKI, M.

SMULSKI, M. A year of activities of a social caretaker. p. 10, No. 2,
Feb. 1956. Warszawa, Poland
Turysta

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

SHIRMAN, G.A.; KAMIN, Ye.Z.; IRMS, F.I.; FROBE, B.V.; LOBKIN,
A.S., red.; GUL'IKIN, A.S., red.

[Silicon transistor diodes and triodes; manufacture techniques] Poluprovodnikovye kremnievye diody i triody, tekhnologiya proizvodstva. Moskva, Izd-vo "Energia," 1964.
113 p.
(MIRA 17:8)

ZELIKMAN, G.A.; MAZEL', Ye.Z.; FRESS, F.P.; FRONK, S.V.; DOBKIN,
A.S., red.; SMUL'SKIY, A.S., red.

[Silicon diodes and triodes; their production technology]
Poluprovodnikovye kremnievye diody i triody; tekhnologiya
proizvodstva. Moskva, Energiia, 1964. 183 p.
(MIRA 17:12)

ARISTOV, V.V.; SMUL'SKIY, I.Ya.

Structure and conditions of the formation of an intrusive of
ore-bearing muscovite granites. Izv.vys.ucheb.zav.;geol. i razv.
4 no.9:25-41 S '61. (MIRA 14:9)

1. Moskovskiy geologorazvedochnyy institut imeni Ordzhonikidze.
(Muscovite)

SMUL'SKIY, I.Ya.; ELIATOV, Ye.I.

New data on the structure and characteristics of the
localization of mineralization in the Kadaya ore zone.
Izv.vys.usheb.zav.; geol. i razv. 8 no.10:86-91 0 '65.
(MIRA 19:1)
1. Moskovskiy geologorazvedochnyy institut imeni Ordzhonikidze.

SMUL'SKIY, V. Ya

Cand. Tech. Sci.

Dissertation: "Investigation of the Process of Upsetting Bronze Bushings."

18 May 49

Moscow Inst for Mechanization and Electrification of
Agriculture

imeni V. M. Molotov

SO Vecheryaya Moskva
Sum 71

IVANOV, Ye.B.; SMUL'SON, A.S.; BELUKHA, A.A.; MUCHNIK, D.A.; KAL'CHENKO, V.I.

Predicting the size of coke. Koks i khim. no.10:14-19 '62.
(MIRA 16:9)

1. Krivorozhskiy metallurgicheskiy zavod.
(Coke)

BRUK, A.S.; LEYBOVICH, R.Ye.; IVANOV, Ye.B.; SMUL'SON, A.S.; BELUKHA,
A.A.; MUCHNIK, D.A.; FARTUSHNAYA, R.M.; Primali uchastiye:
KUTEVOY, P.M.; GOL'DBERG, P.Ya.; NECHAYEVA, A.P.; KUBYSHKINA,
L.I.; SHEYKHET, A.M.; VASIL'CHENKO, S.I.; BARASH, D.A.;
KARPOVA, K.K.; KHODANKOV, A.T.

Effect of temperature changes in the control heating flues on
the quality of the metallurgical coke. Koks i khim. no.7:26-27
(MIRA 16:8)
'63.

1. Dnepropetrovskiy metallurgicheskiy institut (for Bruk,
Leybovich, Kutevoy, Gol'dberg, Nechayeva, Kubyshkina, Sheykheta).
2. Krivorozhskiy metallurgicheskiy zavod (for Ivanov, Smul'son,
Belukha, Muchnik, Fartushnaya, Vasil'chenko, Barash, Karpova,
Khodankov).
(Coke ovens) (Coke---Testing)

I 03570-01 EFP(m) DS/FDR/WW

ACC NR: AP6033481

SOURCE CODE: UR/0413/66/000/018/0083/0084

INVENTOR: Khanin, I. M.; Smul'sov, A. S.; Brodskiy, E. V.; Mizin, V. A.

ORG: none

TITLE: Liquid atomizer. Class 24, No. 186066

SOURCE: Izobret prom obraz tov zn, no. 18, 1966, 83-84

TOPIC TAGS: fuel atomizer, fuel atomization, fuel injector

ABSTRACT: The proposed liquid atomizer consists of a housing containing a guide assembly inside it. In order to obtain uniform atomization of large volumes of liquids at low pressures, the nozzle guide assembly is provided with disks, placed one above another, and having offcenter openings with different diameters. A cylindrical partition is mounted under the upper disk (see Fig. 1). Orig. art. has: 1 figure.

[WA No. 88]

Card 1/2

UDC: 697.932.6

L 08576-67

ACC NR: AP6033481

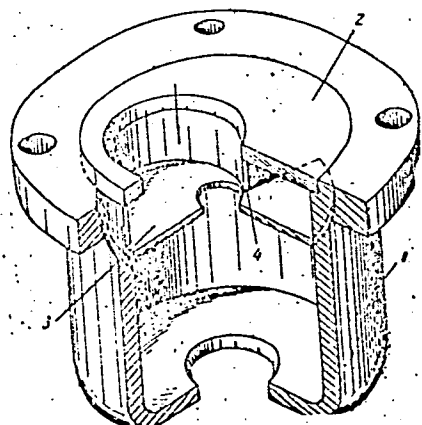


Fig. 1. Liquid atomizer

1 - Housing; 2 - upper disk;
3 - lower disk; 4 - parti-
tion.

SUB CODE: 21/ SUBM DATE: 15Apr65

Card 2/2

SMUL'YAN, YU. L.

Mathematical Reviews
Vol. 14 No. 9
October 1953
Analysis

Smul'yan, Yu. L. Isometric operators with infinite deficiency indices and their orthogonal extensions. Doklady Akad. Nauk. SSSR (N.S.) 87, 11-14 (1952). (Russian) Results announced by Livšic [same Doklady (N.S.) 58, 13-15 (1947); Mat. Sbornik N.S. 26(68), 247-264 (1950); these Rev. 9, 446; 11, 669] are extended here. Let H be a Hilbert space, G a closed linear subspace of H , and T a bounded operator on H such that T is isometric on G and such that $f \in G^\perp$ implies $Tf \in (T(G))^\perp$. Let T on G be denoted by V and on G^\perp by W . Any operator L such that $VCLCT$ is called an orthogonal extension of V . Let $w(T, \zeta)$ be defined as $(T - \zeta I)(T - \zeta T^*)^{-1}$ on the Domain G^\perp for all complex ζ such that ζ^{-1} is a regular point for T . Let $w(\zeta) = -w(V, \zeta)$. A number of theorems are announced, some proofs being sketched, of which the following are typical: 1) T has a bounded inverse if and only if W has a bounded inverse. 2) If $w(T, \zeta)$ exists, then

$$w(T, \zeta) = [W - w(\zeta)] [E - Ww(\zeta)]^{-1},$$

where E is the identity operator on G^\perp . Suppose that V has equal deficiency indices, so that V has a unitary (even)

3

Con't.
 extension, and let H be any such extension. Let $w_{\eta}(\xi)$ be the operator $H^{-1}w(\xi)$. Let ξ_0 be a complex number of absolute value 1 such that for some positive number k , $\|Vf - \xi_0 f\| \geq k \|f\|$ for all $f \in G$. Then $w_{\eta}(\xi)$ is regular and unitary on an arc of the unit circle containing ξ_0 . 4) If $w_{\eta}(\xi)$ is regular and unitary on an arc of the unit circle, then: a) every point of this arc has the property ascribed to ξ_0 in 3) above; b) for every ξ on this arc, V admits a unitary extension for which ξ is a regular point. For the case in which V has finite deficiency indices, this is a theorem of Lur'ik [Second cited article]. E. Hewitt.

8-9-54 LL

Mathematical Reviews
Vol. 14 No. 11
Dec. 1953
Analysis

Simul'yan, Yu. L. Riemann's problem for positive definite matrices. *Uspehi Matem. Nauk (N.S.)* 8, no. 2(54), 143-145 (1953). (Russian)

Let L be the unit circle $|z|=1$, D^+ its interior, D^- its exterior, $A(z)$ a matrix of functions $a_{ij}(z)$ ($i, j=1, \dots, n$) defined on L and satisfying a Hölder condition, $\det A \neq 0$ on L . The homogeneous Riemann problem is to find a piecewise continuous vector $\varphi(z)$ with components $\varphi_j(z)$ regular in D^+ and $\varphi_j^+(z)$ regular in D^- such that $\varphi^+ = A\varphi^-$ on L . The author proves that if A is positive definite on L then the particular indices of this problem are all 0 [for definition of particular indices see Gakhov, *Doklady Akad. Nauk SSSR (N.S.)* 67, 601-604 (1949); these *Rev.* 11, 169]. This result is used to obtain from the solution of the Riemann problem the solution to the following problem: To find a matrix $F(z)$ of functions $f_{ij}(z)$ regular in D^+ and continuous in $|z| \leq 1$ such that $F^+(z) = A(z)F^-(z)$ and $F^-(z) = I$ on L .

SHUNEV, V. zaboyshchik

Productive utilization of every minute. Mast. ugl. 4 no.1:6
Ja '55. (MLRA 8:6)
(Donets Basin--Coal mines and mining)

SMURENKOV, V.

Results of reorganization of management of the housing economy.
Fin. SSSR 19 no. 8:72-73 Ag '58. (MIRA 11:9)

1. Zaveduyushchiy Ryazanskim gorodskim finansovym otdelom.
(Ryazan--Housing)

SMURGOVICH, G.K., inzh.; TEN'KAYEV, M.V., inzh.; SEMENOVA, V.V., inzh.

Some results of the study of the various modes of operation
of VPT-25-3 turbine units. Sbor. nauch. soob. SPI no.17:111-124
'62. (MIRA 17:6)

SMURNOV, K. V., Doc Tech Sci -- (diss) "Axially symmetric shells in construction structures." Moscow, 1960. 8 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Order of Labor Red Banner Construction Engineering Inst in V. V. Kuybyshev); 200 copies; price not given; (KL, 22-60, 135)

SMUROV, A.

Improve organizational work. Pozh.delo 5 no.9:1-2 S '59.
(MIRA 13:1)

1. Zamestitel' nachal'nika Glavnogo upravleniya pozharnoy
okhrany Ministerstva vnutrennikh del SSSR.
(Fire prevention)

SMUROV, A.

Work carried out by the Central Scientific Research Institute
of Fire Prevention. Pozh.delo 7 no.4:3 Ap '61. (MIRA 14:4)

1. Nachal'nik Tsentral'nogo nauchno-issledovatel'skogo instituta
protivopozharnoy oborony.
(Fire prevention--Research)

SMUROV, A.

Strengthen the links between science and practice. Pozh.delo
8 no.7:1-2 J1 '62. (MIRA 15:8)

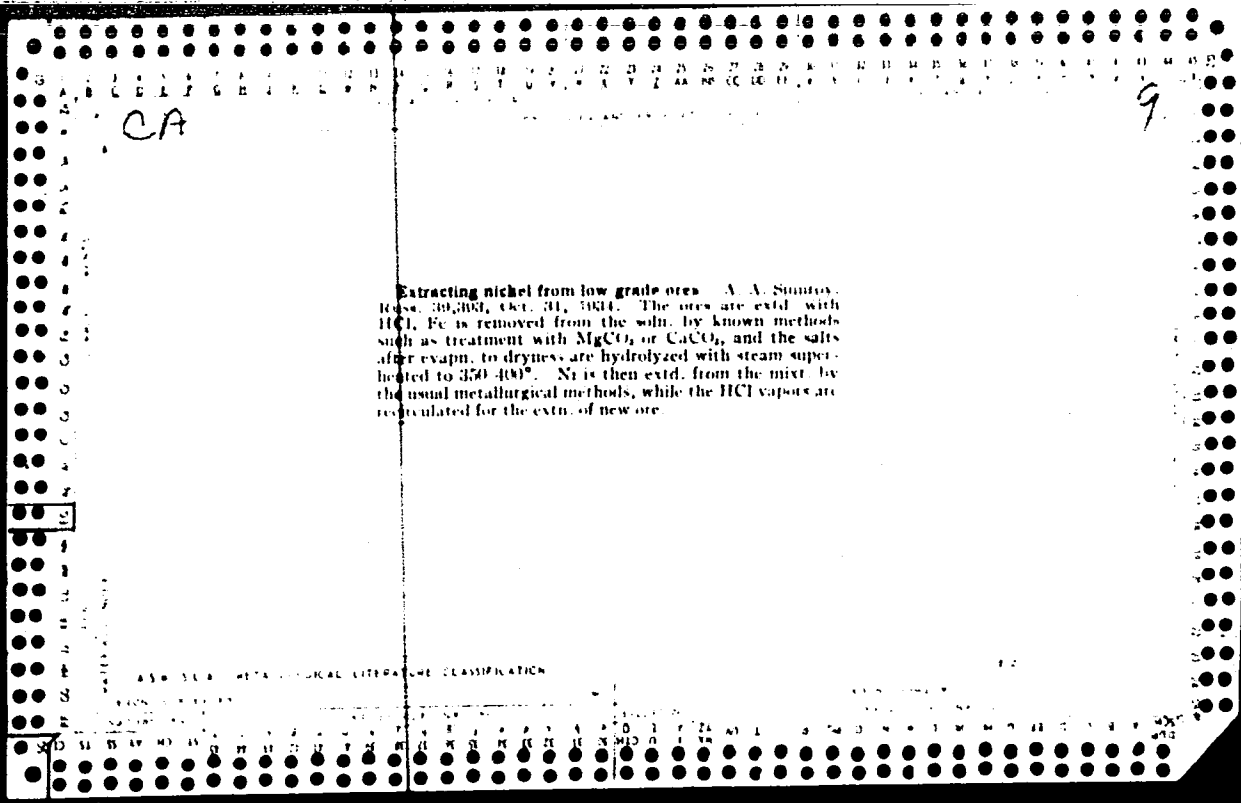
1. Nachal'nik Tsentral'nogo nauchno-issledovatel'skogo instituta
protivopozharnoy oborony. (Fire prevention)

САНДРОВ, Анатолій Антонович.

САНДРОВ, Анатолій Антонович. ... Мінеральні ресурси С.С.С.Р. Мідкелі ... Москва,
Геолог. ін-ст-во Гілея, геолого-розвед. упр., 1931. 106 с. (Головне геолого-розвед-
ноє управління. Сектор дослідж.)
"Література": с. 100-102.

DLC: TN490.3656

SO: IC, Soviet Geography, Part I, 1951, Uncl.



PROCESSES AND PROPERTIES INDEX
1ST AND 2ND ORDERS

Migration of nickel. A. A. Smurov. *Soviet Geol.* 9, No. 12, 68-73 (1930).—Ni migration takes place chiefly owing to the action of surface waters contg. CO₂. Hydrothermal migration at higher pressure is unlikely as the solubility of Ni carbonates decreases more rapidly with temp. than the effect of increased pressure can compensate. p. H. Rathmann

ASB S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

COMMON CIPHERS

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VIKULOVA, M.F.; ZVYAGIN, B.B.; MIKHAYLOV, B.M.; BERLIN, T.S.; ORESHNIKOVA, Ye.I.; SHAKHOVA, R.A.; IVANOVA, I.I.; TATARINOV, P.M., prof., red.; GEYSLER, A.H., prof.red.; DOMINIKOVSKIY, V.N., kand.geologo-mineralogicheskikh nauk, red.; KNIPOVICH, Yu.N., kand. geologo-mineralogicheskikh nauk; SMUROV, A.A., kand. geologo-mineralogicheskikh nauk; FRANK-KAMENETSKIY, V.A., kand. geologo-mineralogicheskikh nauk; BABINTSEV, N.I., red.izd-va; KRYNOCHKINA, K.V., tekhn.red.

[A methods manual on the petrographic and mineralogical study of clays]
Metodicheskoe rukovodstvo po petrografo-mineralogicheskomu izucheniiu glin; trudy Instituta. Sost. kolektivom avtorov pod rukovodstvom M.F. Vikulovoi. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1957. 447 p. (MIRA 11:2)

1. Leningrad. Vsesoyuznyy geologicheskii institut. 2. Chlen-korrespondent AN SSSR (for Tatarinov)
(Clay)

LOPATINA, N.L., LOSEV, N.V., SMUROV, A.A.

Experimental data on the behavior of lead, zinc, copper, and
iron sulfides in colloidal solutions at high temperatures.
Geol. rud. mestorozh. no.4:52-73 J1-Ag '60. (MIRA 13:8)

1. Vsesoyuznyy geologicheskij nauchno-issledovatel'skiy
institut, Leningrad.

(Sulfides) (Colloids)

LEBEDEV, M.G.; SMUROV, A.M.

Peculiarities in the manufacture of forged bevel gear. kuz.-shtam.
proizv. 3 no.11:15-18 N '61. (MIRA 14:11)
(Forging) (Gearing, Bevel)

SMUROV, A.M.; NIKITIN, S.V.

Forces needed for the extrusion of steering knuckles. Avt. prom.
27 no. 4:35-40 Ap '61. (MIRA 14:4)

1. Nauchno-issledovatel'skiy tekhnologicheskii institut avtomobil'noy
promyshlennosti.
(Metalwork) (Automobiles—Steering gear)

LEBEDEV, M.G.; SMJROV, A.M.

Press forming of groove bushes for stamping toothed pinions. Avt.
prom. 27 no.8:37-39 Ag '61. (MIRA 14:10)

1. Nauchno-issledovatel'skiy tekhnologicheskii institut avtomobil'noy
promyshlennosti. (Forging)

KHUKHRIN, P.N.; LEBEDEV, M.G.; SMUROV, A.M.

Machining bevel gear blanks stamped with ready teeth. Stan.i
instr. 32 no.11:27-38 N '61. (MIRA 14:10)
(Gear cutting)

S/182/62/000/006/002/004
D040/D113

AUTHORS: Lebedev, M.G., and Smurov, A.M.

TITLE: Gear forging die inserts produced by press forging

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, no. 6, 1962, 8-12

TEXT: NIIPAvtoprom and the ZIL and GAZ automobile plants have developed techniques for hot press forging die inserts used for producing gears by forging. Die sinking by this method has proved dependable, and is cheap compared to other mechanical means. Detailed engineering information includes: drawings of the die set, master punch and inserts; calculation of allowances; data on heating, preliminary swaging of blanks, final heat treatment and machining after forging. Inserts for only two gears are dealt with - the differential pinion of the ЗИЛ-164 (ZIL-164) truck, and the differential axle pinion of the ГАЗ-51 (GAZ-51) truck. Both are straight-tooth bevel gears. An insert is produced in 2-3 strokes of the master punch in a 1600 or 1500 t hot crank press from blanks of 3X2Б8 (3Kh2V8) steel. Friction screw presses may also be used; their

Card 1/2

S/182/62/000/006/002/004
D040/D113

Gear forging die inserts produced by press forging

comparatively large open die space permits using other tooling for press forging die cavities with helical and spiral teeth. The straight bevel die inserts are provided with shims changing the closed die space for forging other bevel gears. NIITAvtoprom has lately experimented on sinking die inserts with spiral teeth in a crank press; this is stated to be a new technique not employed in foreign practice. The experimental die set and the spiral-teeth inserts are illustrated. The first inserts had teeth pulled too deep into the cavity and had edges too deeply sheared off; this can be eliminated by proper allowance on the blanks. Replaceable master punches, connection pieces and bottom halves of the experimental die set permitted the geometrical shape of the produced die cavities to be varied. There are 8 figures.

Card 2/2

SMUROV, A.M.

Determining the specific pressure of flat die stamping. Avt.prom.
28 no.5:36-38 My '62. (MIRA 15:5)

1. Nauchno-issledovatel'skiy tekhnologicheskiy institut
avtomobil'noy promyshlennosti.
(Sheet-metal work)

LEBEDEV, M.G.; SMUROV, A.M.

Manufacture of master punches for the forging of forging-die parts. Kuz.-shtam. proizvod. 4 no.1:43-44 Ja '62.(MIRA 17:3)

S/182/63/000/001/009/012
ACO4/A126

AUTHOR:

Smurov, A. M.

TITLE:

Present state and problems of gear production with die-forged teeth

PERIODICAL:

Kuznechno-shtampovochnoye proizvodstvo, no. 1, 1963, 33 - 37

TEXT: The author presents a general survey on the production of die-forged gears which are, in general, produced in open dies. In some cases, e.g. in die-forging shaft-gear type forgings, the preparatory operations prior to generating the teeth can be carried out in closed dies. One of the main difficulties arising in this process is to ensure complete filling of the tooth hollows, and the author gives some technological details on this operation. He enumerates the presses used for gear die-forging, compares the applicability of the various press types and devotes the greater part of his article to the manufacturing technology for the various parts of the forging die, i.e. the insert with teeth, since this has a great influence on the economic efficiency of the process. To increase the economy of the gear die-forging process, it is necessary to find ways a) to reduce the tolerances over the tooth profile or to eliminate the tolerances in-

Card 1/2

Present state and problems of...

S/182/63/000/001/009/012
A004/A126

roducing additional calibration (die-stamping), b) to apply advanced die-forging methods, e.g. pressing in passes of the open or closed type, c) to increase the service life of forging equipment and cutting tools. There are 5 figures.

Card 2/2

SMJROV, A.M.

Present state and objectives in the production of gear wheels with
forged teeth. Kuz.-shtam. proizv. 5 no.1:33-37 Ja '63. (MIRA 16:2)
(Gearing) (Forging)

LEBEDEV, M.G.; SMUROV, A.M.

Establishing parameters and organizing the process of the stamping
of toothed automobile pinions. Avt.prom. 29 no.1:35-38 Ja '63.
(MIRA 16:1)

1. Nauchno-issledovatel'skiy tekhnologicheskii institut
avtomobil'noy promyshlennosti.
(Sheet-metal work)

SMUROV, A.M.

Technological processes for the manufacture of toothed bushing.
Avt. prom. 29 no.11:43-45 N '63. (MIRA 16:12)

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

SOKOLOV, N.L.; SMUROV, A.M.

Power parameters for the extrusion of rod-type forgings with
various shapes of flanges. Avt.prom. 29 no.12:31-34 D '63.
(MIRA 17:4)

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

SMUROV, A.M.

Effect of a tooth rim on the parameters of the forging of
toothed bevel gears. Avt. prom. 30 no.3:42-43 Mr 64.
(MIRA 17:6)

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

SMUROV, A.M.

Technology of low waste stamping. Avt. prom. 30 no.11:12 N '64
(MIRA 18:2)

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

L 43016-65 EWT(d)/EWT(m)/EWA(d)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(l)/EWA(c)
ACCESSION NR: AP5007805 Pf-4 JD/HW S/0113/64/000/012/0040/0042

23
22
D

AUTHOR: Smurov, A. M.

TITLE: The use of counterpressure in forge presses

SOURCE: Avtomobil'naya promyshlennost', no. 12, 1964, 40-42

TOPIC TAGS: forge press, forging

ABSTRACT: Some aspects of the use of counterpressure in forging processes are presented. Particular attention is given to the operation of plastic form variation brought about by a forge with a compensating cavity closed by means of a counterpressure instrument. Figure 1 on the Enclosure is a sectional view of a closed forge with a centrally distributed compensating cavity for stamping pieces laid out in the plane corresponding to the dimensions A_1 , A_2 , and a_2 . The facility is also adaptable for work with bodies of rotation using dimensions D_1 , D_2 , and d_2 . The author derives equations describing the counterpressure process. Certain cavity relationships are defined and the equation $P_1 = P_2 \cdot \frac{V_2}{V_1} + \int \frac{dV}{V}$ is given as the "equation of state" of the counterpressure process. In the equation, P_2 is a counterpressure

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L 43016-65

ACCESSION NR: AP5007805

force in kg, l_2 is the instantaneous length of pass of the counterpressure instrument in mm, $\eta = \frac{\delta P_2}{\delta l_2}$, and $P_2 \text{ init.}$ is an initial counterpressure. Cavity geometry

is introduced through the equation $r_1 = (A_1 - A_2) \exp \left(\frac{1}{4} + \frac{A_1}{A_2} \ln \frac{A_1}{A_1 - A_2} - \frac{2 P_2 \text{ init.} + q_1}{3 f_2 c_2} \right) > r_m$,

where r_1 is the level of cavity filling. Expressions for primary, secondary, and maximum counterpressure forces are developed for several prevalent special conditions. Orig. art. has: 7 equations and 1 figure.

ASSOCIATION: NIITAvtoprom

SUBMITTED: 00

ENCL: G1

SUB CODE: IE

NO REF SOV: 000

OTHER: 000

Card 2/3

L 43016-65

ACCESSION NR: AP5007805

ENCLOSURE: 01

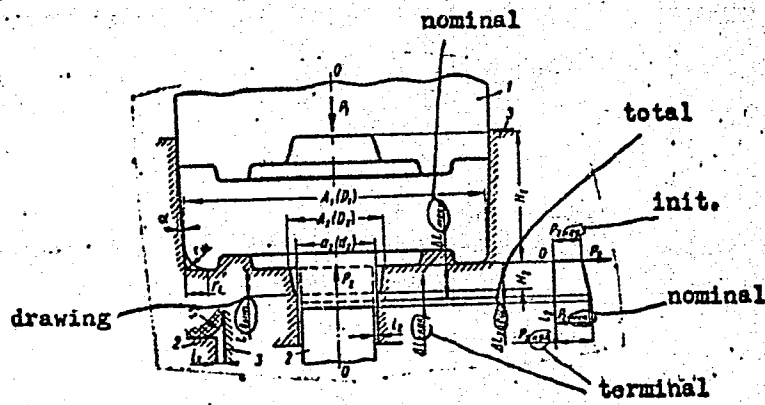


Fig. 1. Stamp for forging with counterpressure. 1 - pressure instrument; 2 - counterpressure instrument; 3 - fixed matrix

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ACC NR: AP7001456

(A)

SOURCE CODE: UR/0413/66/000/021/0201/0201

INVENTORS: Smurov, A. M.; Smirnov, A. S.

ORG: none

TITLE: A stamp for punching forgings. Class 49, No. 183273 [announced by Scientific Research Institute of the Automotive Industry Engineering (Nauchno-issledovatel'skiy institut tekhnologii avtomobil'noy promyshlennosti)]

SOURCE: Izobretoniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 201

TOPIC TAGS: metal forging, metal forming, metal stamping, metallurgic machinery, metallurgic process, metalworking

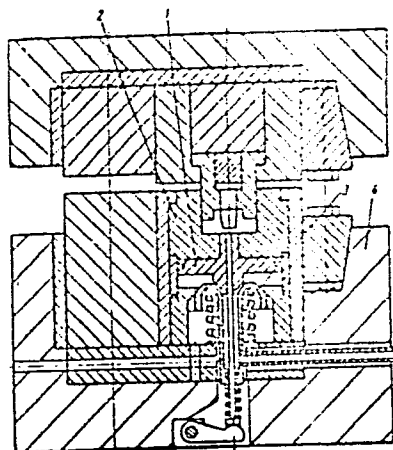
ABSTRACT: This Author Certificate presents a stamp for punching forgings. The die of the stamp contains a compensating recess covered by a back pressure assembly (see Fig. 1). To provide for a free expulsion of the excess metal into the compensating recess and to diminish the deforming power, the back pressure assembly is made in the form of a cylinder with a piston, mounted on the lower plate of the stamp. The opening under the piston is accessible to the external atmosphere through a spring-loaded valve which interacts with the piston under the action of the metal being squeezed into the compensating recess.

Card 1/2

UDC: 621.733.76

ACC NR: AP7001456

Fig. 1. 1 - piston; 2 - cylinder of the piston;
3 - spring-loaded valve; 4 - lower
plate of the stamp



Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 28Nov64

Card 2/2

ANASTAS'IN, V.F.; ARAKELOV, A.S.; BOBROV, A.L.; VIKHOREV, Yu.V.; VIL'DER, S.I.; GLUSHKO, I.K.; GOKUN, A.M.; PIN'KOVSKIY, Ya.I.; PASHKOV, N.D.; RYABUKHA, G.K.; REBENKO, G.S.; SMUROV, Fedor Pavlovich; SOSKIND, D.M.; SAMSONOV, B.A.; SEMENOV, A.B.; SULEYMANOV, A.B.; KHARLAMOV, A.A.; TSAR'KOV, B.N.; SHIFRIN, D.L.; SHEYNMAN, V.I.; ABAKUMOVSKIY, Dmitriy Dmitriyevich, red.toma; SVYATITSKAYA, K.P., vedushchiy red.; TROFIMOV, A.V., tekhn.red.

[Petroleum equipment; in six volumes] Neftianoe oborudovanie; v shesti tomakh. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry. Vol.4. 1959. 294 p. (MIRA 12:9)
(Petroleum refineries--Equipment and supplies)

ENTRASY, G. G.

Tolet kishchevyykh. [Flying faster than sound]. Stenogramma publichnoi lektsii.
Moskva [Sovetskoye Radio] 1950. 20 p. Diagram.
Bibliography: 1. [S]

RLC: 71573.367

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Reference Department, Washington, 1952, Unclassified