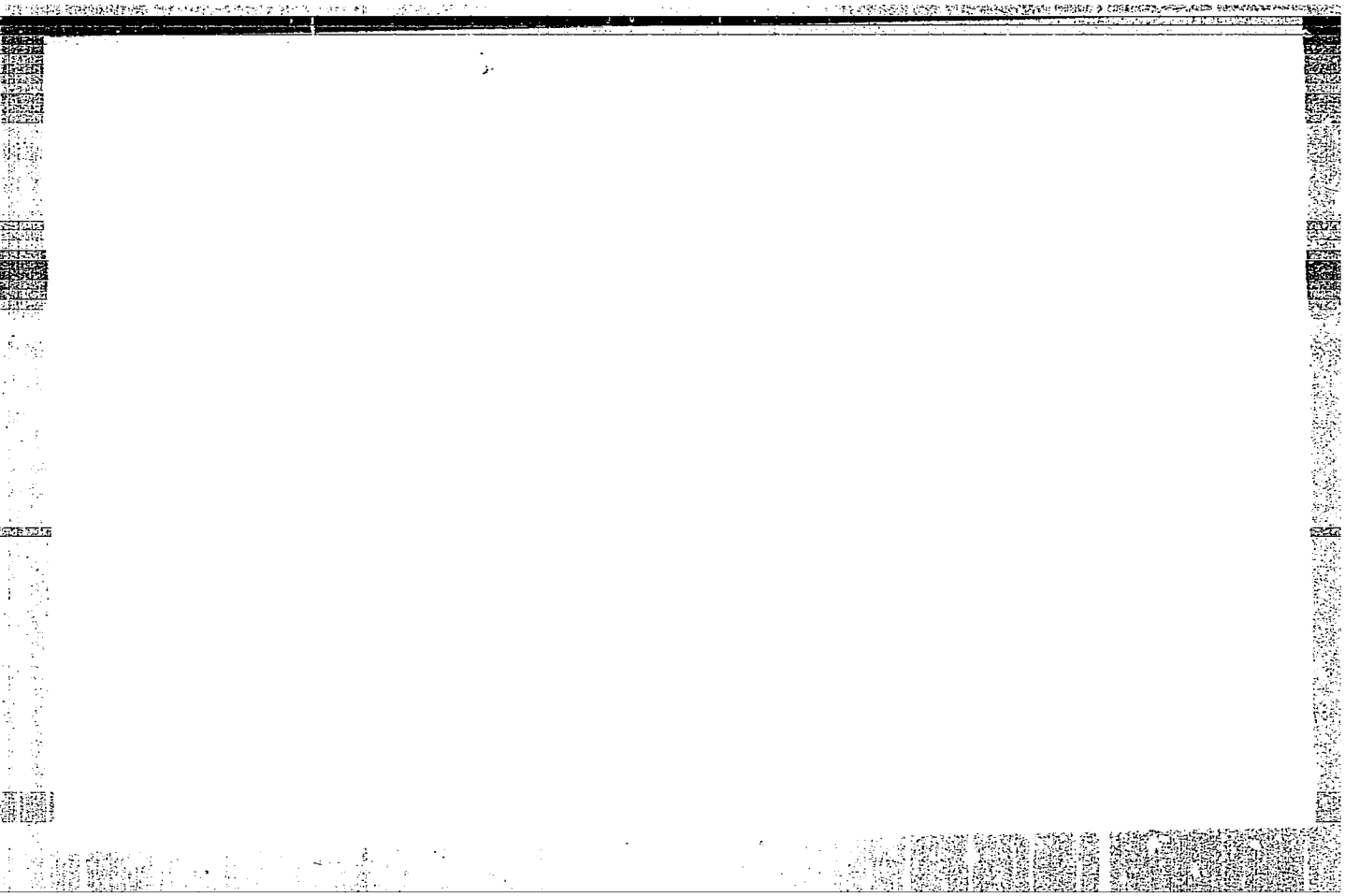

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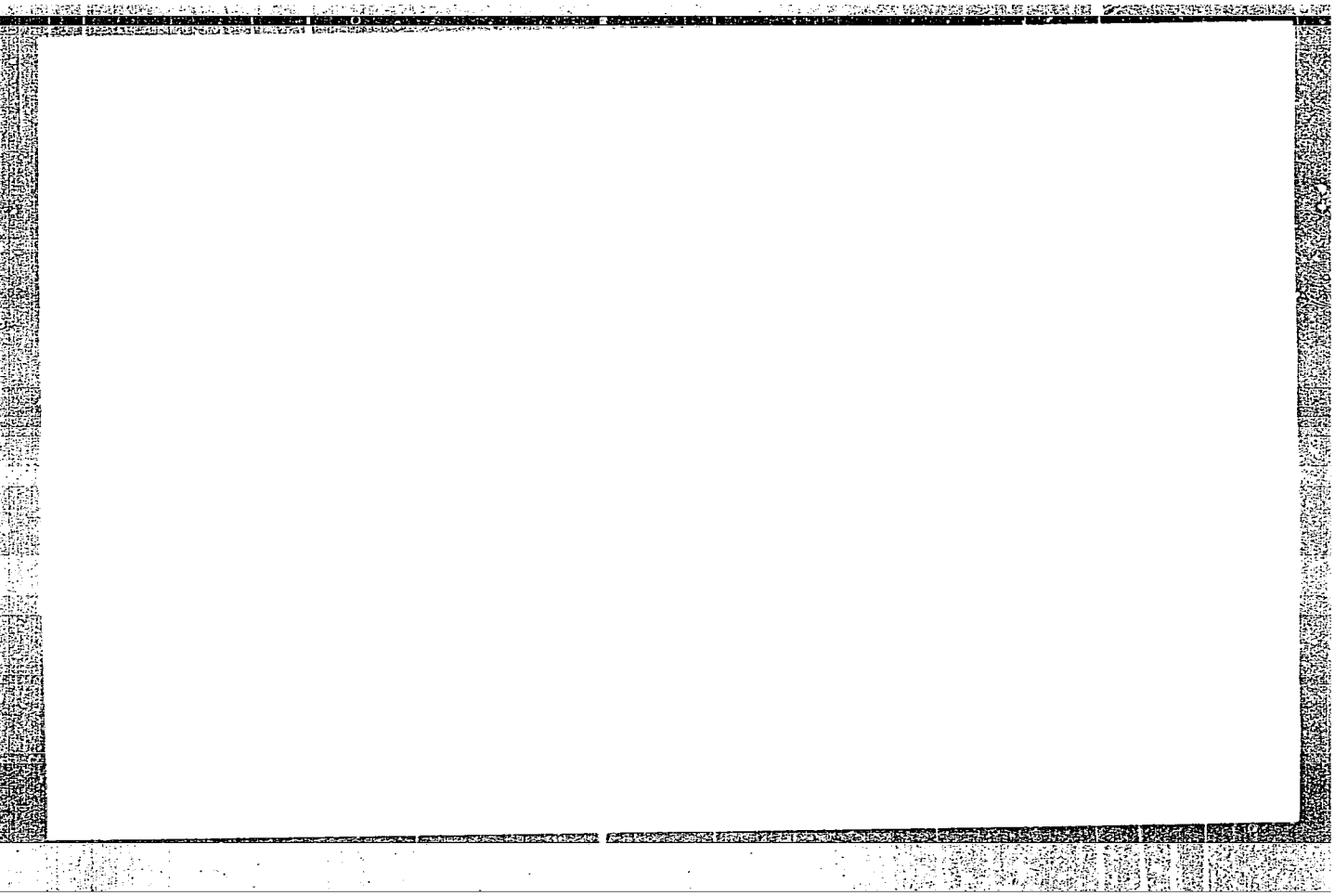

D'YAKOVA, M.K.; VOL'-EPSHTEYN, A.B.; ALEKSI, Ye.A.; VASIL'CHIKOVA, Ye.I.

Hydrofining distillates of tar and the products of thermal dissolution of Estonian shales. Khim.i tekh.topl.no.9:44-51 S '56. (MIRA 9:10)

1.Institut goryuchikh iskopayemykh Akademii nauk SSSR.
(Tar)(Oil shales)

VASIL'CHIKOVA, Ye.I.

D'YAKOVA, M.K.; VOL'-EPSHTEYN, A.F.; ALEKSI, Ye.A.; VASIL'CHIKOVA, Ye.I.

Developing a hydrogenation purification process at reduced hydrogen pressures of gazolines in thermal dissolution and semicoking of Estonian shale. Zhur.prikl.khim., 30 no.7:1056-1065 Jl '57. (MIRA 10:10)

(Estonia--Oil shales)

SAVIN, G. (Rumynskaya Narodnaya Respublika); BERBULESKU, D. [Barbulescu, D.] (Rumynskaya Narodnaya Respublika); VASIL'CHUK, M. (Rumyanskaya Narodnaya Respublika)

New method for measuring total resistance by impedance and impedance angle. Izm.tekh. no.2:42-43 F '63. (MIRA 16:2)
(Electronic measurements)

VASIL'CHUK, N.P., glav. inzh.; TOTOV, V.G., red.

[Guide book on the rod bolting of mines] Rukovodstvo po kreploniiu vyrabotok shtangovoi krep'iu. Rostov-na-Donu, 1963. 33 p. (MIRA 18:1)

1. Rostov-on-Don. Nauchno-issledovatel'skiy institut po stroitel'stvu.

VASIL'CHUK, Yu.A., starshiy prepodavatel'

Average profit norms and production cost; determining formulas. Trudy Mosk. inst. tonk. khim. tekh. no.1:64-98 '62. (MIRA 17:4)

VASILCIUC, M.; CORLATEANU, V.; SERBAN, GH.

Contribution to the study of harmonic 3 in three-phase converters with forced magnetic flux and Yy connections in symmetrical functionings. Pts. 1-2. p. 11.

STUDII SI CERCETARI STIINTIFICE. FIZICA SI STIINTE TEHNICE. (Academia Republicii Populare Romine. Filiala Iasi) Iasi, Rumania. Vol. 8, no. 1, 1957.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959.

Uncl.

VASILCIUC, N; BERGMAN, I.

Experimental studies on the commutation of direct-current machines.
Studii fiz tehn Iasi 12 no.2:235-247 '61.

1. Institutul politehnic, Iasi, Laboratorul de masini electrice.

Vol. 9.

Forest railroads or [illegible] of roads. p. 101.

[illegible]

Vol. 79, no. 3, May 1956

Romania

Source: EAST EUROPEAN LIST: Vol. 5, no. 10 Oct. 1956

RUMANIA

FLESCHIN, H., Dr, Col, MARINESCU, A., Dr, Lt-Col, ROMAN, V., Dr, Maj, and VASILE, Al., Dr, Cpt [affiliation not given]

"Considerations on the Current Treatment of Recurrent Scapulo-Humeral Dislocations in the Military Environment."

Bucharest, Revista Sanitara Militara, Vol 62, No 2, Mar-Apr 66, pp 221-224.

Abstract: Observations based on 15 cases of recurring dislocations treated surgically as follows: 9 by the Von Wahl operation (one recurred); 3 by the Wilmoth-Lenormant operation (one recurred); 2 by the Stavrache modification of the Bankart operation (one recurred), and one by the original Bankart operation (good results). Special emphasis is devoted to a description of the Bankart procedure, which the authors find preferable to the other methods and plan to use more frequently in the future.

Includes 3 references, of which one German and 2 Rumanian.

SARATEANU, D.; SURDAN, C.; SORODOC, G.; ANAGNOSTE, B.; STEFANESCU, I. in colaborare cu DUMA, M.; MARTA, M.; VASILE, C.; FLORESCU, T.; PAICU, P.

Research on active immunization against ovine enzootic abortion. Immunological study in various epizootiological conditions. Stud. cercet. inframicrobiol. 14 no.3:283-294 '63.

(ABORTION, VETERINARY) (SHEEP DISEASES) (RICKETTSIAL DISEASES) (IMMUNOLOGY)

VASILE, D., coresapondent

Products more than the plan. Constr Buc 17 no.799:1 30 Ap '65.

KUTLAK, Erna; VASILE, Dumitru

Increased obligations, efficient measures. Constr Buc 16 no.7362 15 F'64.

1. Dela fabrica de produse ceramice Mureseni, Tg.Mures (for Kutlak).

RUMANIA/Cultivated Plants - Fruits, Berries. II-3

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39523

Author : Dobrescu, J., Vasile, Gh., Matica, S.
Inst : -
Title : Vineyard with a 98.3% Rate of Acclimatization in Dobrudzha Steppe (RNR).

Orig Pub : Gradina, via si livada, 1957, 6, No 5, 45-50

Abstract : A 98.3% assimilation was obtained at a vineyard covering an area of 52.35 ha in the village of Ostrov (Konstantsa Province). The following varieties were planted in that area in 1956: white Fetyaska, Chasselas doré, Italian Riesling, Riparia Gloire rootstock. The Afuz-Ali variety was grown on a rootstock Riparia Gloire on an area of 1 ha and the acclimatization was 100%. The planting and the care of the vineyards were conducted on a high agricultural level (triple hill, dusting with hexachlorocyde hexane,

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RUMANIA/Cultivated Plants. Fruits, Berries. II-8

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39523

fourfold weeding and hellowing to a depth of 7-10 cm). Wood of Fetyaska white and Italian Riesling varieties ripened best. -- Ye.F. Lukovskaya

Card 2/2

VASILE, I.

TECHNOLOGY

Periodicals: METALURGIA SI CONSTRUCTIA DE MASINI. Vol. 10, no. 5, May 1958

VASILE, I. Materials and equipment for welding. p. 435

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

VASILE, I.

Welding by means of deep penetration electrodes. p. 149.

METALURGIA SI CONSTRUCTIA DE MASNI. (Ministerul Industriei Metalurgice si Constructiilor de Masini si Asociatia Stiintifica a Inginerilor si Tehnicienilor din Rominia) Bucuresti, Rumania. Vol. 10, no. 4, April 1959.

Monthly list of East European Accessions (EEAI) LC, Vol 8 no. 8, Aug. 1959

Uncl.

25(1)

AUTHOR: Vasile, Ilie, Engineer RUM/9-11-2-12/29

TITLE: Welding With Deep Penetration Electrodes

PERIODICAL: Metalurgia şi Construcţia de Maşini, 1959, Vol 11, Nr 2, pp 149-153 (Rumania)

ABSTRACT: The author first gives a general description of the method of deep welding. The essential difference is that the welding bath is formed at the depth of the welded metal. Therefore, the technology of welding is different from that with usual mantle electrodes. The author presents the requirements for penetration electrodes according to the recommendations issued by ISO (International Standardizing Organization) ISO/ 178/1957. The author explains the penetration of the heat based on the works of F. Richter /Ref 17, by the formation of an ionized tube, in which at the high temperature of the electric arc, the metal drops are transported in a medium constituted of metal vapors and slag as well as of the decomposition gases of organic substances of the mantle. The gases contained

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in the electrode coating dissociate to monoatomic gases, producing a volumetric expansion with deep penetration into the metal to be welded. This expansion necessitates an increase of energy consumed. The author mentions that of the Rumanian steels, the most adequate ones for deep welding are OL 34 B and OL 38 B, non-stilled, in conformity with STAS 500-49. The welding equipment and technology is given detailed consideration. There are 5 diagrams, 1 graph, 3 tables and 6 references, 1 of which is French, 1 Belgian, 2 German, 1 Czech and 1 Soviet.

16 JUL 1962

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(229)

Bucharest, Natura (Geography-Geology Series), Vol XIV, No 3, May-Jun 62.

1. "An Imposing Historical Event in the Life of the Rumanian People;" (collectivization), pp 3-6.

2. "The Origin of the Earth and the Problems of Its Structure and Composition," B. U. [illegible], Doctor of Physical and Mathematical Sciences (Doctor in Stiinte Fizico-Matematice); pp 7-15.

3. "Origore Cobalcescu and the First Rumanian Geological Paper," Victor [illegible]ESCU and Vasile [illegible], Bucharest; pp 16-19.

4. "Theoretical Considerations on the Subject of Geomorphology," Alex ROSU, Researcher (Cercetor), Bucharest; English Summary; pp 20-28.

5. "The Development of Power and the Creation of the Unitary Power System in the USSR," I.S. [illegible]SCU, Researcher (cercetor), Bucharest; English Summary; pp 29-36.

6. "Geomorphological Observations at Ripa Rosie," V. TRUPAS, Bucharest; English Summary; pp 37-39.

7. "Impressions from a Trip in the USSR," Prof Gh. TEODORESCU, Bucharest; pp 40-44.

8. "Through Iasi Regiune--School Excursions," Prof Univ I. [illegible], Iasi; pp 44-51.

9. "Itinerary for an Interregional Excursion," C. MARCU-LESCU, Leading Professor (Profesor Pruntas), Bucharest; pp 52-57.

10. "School Excursions in Hunedoara Regiune," Prof Lucia VULCU, Orastie; pp 57-65.

11. "Itinerary and School Excursions in Maramures Regiune," Prof Maria [illegible], Baia Mare; pp 65-71.

12. "The Economic and Social-Cultural Development of RPR;" pp 72-73.

13. "South-West Africa," Gh. DRAGU, Lecturer (Lector) and I. VASILE, Tutor ([illegible]), Bucharest, pp [illegible].

— 1/2 —

VASILE, I.

R/009/61/000/001/003/005
D224/D302

AUTHOR: Vasile, Ilie, Engineer

TITLE: Manufacturing dies by built-up welding

PERIODICAL: Metalurgia şi construcţia de maşini, no. 1, 1961, 67-71

TEXT: The article deals with a series of experiments conducted by the Uzinele (Plant) "Semănătoarea" on a new di-metal manufacturing method used in producing warm dies. The method consists of using a cheap carbon steel for the body of the dies and the build-up of the active part by welding. The body of the dies is made of OLC 35 (OL 50) carbon steel, or OLC 45 (OL 60) carbon steel, or in some cases even of OLC 16 (OL 38) steel. The welding is built up into a groove located along the cutting edges of the die. For the manufacturing of di-metal dies, the Uzinele "Industria Sîrmei" (Plant) in Cîmpia Turzii produces the "E 50 Rc" experimental electrodes. The chemical composition of the welding built-up by these electrodes

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consists of 0.5 - 0.6% C, 1.5 - 1.7% Mn, 0.20 - 0.45% Si, 1.9 - 2.3% Cr, 0.35 - 0.55% Mo, ≤ 0.04 S and ≤ 0.04 P. The hardness of the built-up metal is 42 - 48 HRC. The "Semănătoarea" Plant has conducted a series of welding tests with thick carbon-steel dies and established the most adequate welding conditions and heat treatment methods. All welding operations were performed by welder Ion Voican. The welding was built-up in three layers. The first layer had a thick column-structure consisting of fine, sorbitized martensite. The second layer had a coarser structure with a more accentuated dendrite, compared with the first layer. The third layer, after having melted the crust of the second layer, thermally influenced the previously built-up layers, breaking up their structure. Microscopic examinations of the structure were accomplished by Engineer E. Pop. The section hardness was measured by a Vickers-Poldi apparatus, and the surface hardness by a Rockwell apparatus. The hardness values obtained are compiled in Table 1. Another series of tests was conducted with steel dies, 90 x 160 x 25 mm, made of OL 42 and OL 38 steels. The broadsides of the dies were provided with

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Manufacturing dies...

either open channels of 10 x 5 mm and 12.5 x 6.5 mm, or with closed channels, 10 x 6 mm. Before welding, the dies were normalized for 30 minutes at 850°C. The weldings were built-up in several layers, until the channels were completely filled. The lower layers consisted of partially sorbitized martensite, small isolated ferrite and carbide formations, and non-uniformly distributed troostite. The upper layers consisted of sorbitized martensite, troostite and complex carbides, located columnary. The samples annealed for ½ hr at 750 - 770°C presented a sorbitized martensite structure, non-decomposed troostite and formations of carbides and ferrites. Machining with standard tools was impossible. Because of the non-corresponding structures, other types of annealings were examined. The most suitable treatment was isothermic annealing for 3 hours at 780 - 800°C, followed by cooling down in the furnace to 650°C. The pieces were then kept for 3 hours in the furnace at this temperature and finally cooled in the furnace. This annealing supplied a homogeneous structure consisting of pearlite. Some of the samples had a hardness of 170 - 210 HV, and other samples a hardness of

Manufacturing dies...

247 HV. This difference was due to the fact that the heat treatment could not be carried out with complete accuracy. Hardening-tempering experiments were accomplished parallel with the annealing tests. The annealed samples, after their having been hardened at 850 - 870°C in oil, presented in the first welded layer a structure of rough martensite, and a structure becoming increasingly finer, the greater the distance between the welded layers and the basic material. The hardness of these samples varied between 540 and 650 HV, which corresponds to 51 - 57 HRC. After tempering at 550°C, the material consisted of a sorbite which had a martensitic structure in the upper layers. Slight WiedmannstHtten structures were observed in the basic material. The granulation of the thermally influenced zone close to the welded layers was very fine. The hardness of the welding varied between 357 and 396 HV which corresponds to 37 and 40 HRC. Since this temperature was considered too high, new tests with lower temperatures were conducted. Best results were obtained with a tempering temperature of 450°C which supplied a section hardness of 375 - 420 HV and a surface hardness of 42 -

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45 HRC. The author finally establishes the various manufacturing steps used in producing dies and punches. Conclusions: 1) The "E 50 Rc" electrode may be used with good results for manufacturing warm dies; 2) The dies should be provided with clean grooves of corresponding dimensions; 3) Linear thermal energies with a q/v value of 9,000 - 13,000 cal/cm should be used during the welding operations; 4) Special attention should be paid to the annealing operation in order to obtain good machining ability; 5) Steel bodies with an average carbon content (OLC 35 and OLC 45) should be subjected to normalization before being welded. The welding should be accomplished after preheating to approximately 300°C. Open channels should be used since they supply cutting edges of pure welded material, without being mixed with the basic material. There are 4 figures and 1 table.

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Card 5/6

VASILE, Ilie, ing.; POP, Ecaterina, ing.

Applying welding in protective gas medium in constructing agricultural machines. Metalurgia constr mas 14 no.8:729-734 Ag '62.

1. Uzinele "Semanatoarea".

VASILE, Ilie, ing.

Electric riveting applied to agricultural machine construction.
Metalurgia constr mas 15 no.1:71-76 Ja '63.

1. Uzinele "Semanatoarea".

SERETSYANU, D.[Sarateanu, D.]; SURDAN, K.[Surdan, C.]; SHORODOK, G. [Sorodoc, G.]; SHTEFENESKU, I.[Stefanescu, I.]; v sotrudnichestve s: DUMA, M.; MARTA, M.; VASILE, K.[Vasilie, C.]; FLORESKU, T.[Florescu, T.]; PAIKU, P.[Paicu, P.]

Investigations of active immunization against ovine enzootic abortion. Immunological study in various epizootic conditions. Rev. sci. med. 8 no.3/4:167-171 '63.

(RICKETTSIAL DISEASES) (SHEEP DISEASES)
(ABORTION, VETERINARY) (VACCINES)

CRACIUN, Remus; VASILE, Lazar; GLIGOR, Radu; FURMAN, EVA

Construction sites of the Nr. 5 Brasov Trust. Constr Buc 14 no. 674: 3 8 December 1962.

VASILE, M.; LUCA, E.

"From the Experience of Mechanized Planting of Shelter Belts in Dobruja." P. 248. (ANALELE ROMANO-SOVIETICE, Vol. 69, No. 6, June, 1954, Bucuresti, Rumania.)

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

VASILE, Maria; BARCA-TOMA, Elena

Study of the instrument system (meridian circle) at the Bucharest Observatory for the years 1958-1959. Studii astron seismol 9 no.2:249 '64.

1. Astronomical Observatory of the Rumanian Academy, Bucharest, 5 Cutitul de Argint Street.

VELICU, N.; VASILE, P.

From the experience of the Slobozia Machine and Tractor Station in reduction of cost price. Probleme econ 15 no.8: 134-140 Ag '62.

VASILE, S.

High-frequency generator types applied in inductive metal heating and the choice of the frequency for the corresponding case. METALURGIA SI CONSTRUCTIA DE MASINI (Metallurgy and Machine Constructi n.) 1:33:Jan 55

GEORGESCU, C. C.; VASILE, Sanda

The nature of the inflorescence of Trifolium repens L., explained on the basis of streaked heads. Rev biol 7 no. 4: 537-542 '62.

1. Biologisches Institut "Traian Savulescu", Sektion fur Pflanzenmorphologie und-systematik.
2. Korrespondierendes Mitglied der Akademie der RVR (for Georgescu).

GALEA,Gh. conf.; RADULESCU,E., dr.; GALE[redacted]I., dr.; VASILE, Smaranda, dr.; ROVINTESCU,F., dr.; IONESCU, Pelaghia, dr.

Biological and clinical value of the urinary elimination of 17-ketosteroids in epidemic hepatitis, chronic hepatitis and cirrhosis following epidemic hepatitis. Med. intern. 16 no.1: 55-65 Ja'64

1. Lucrare efectuata in Clinica de semiologie a Spitalului "Brincovenesc".

*

VASILE, Mirza D.; HURDUC, Mircea I.; GHEORGHIU, Tony C.

Division of nerve cells. Cas.lek.cesk 100 no.34:1063-1067 25 Ag '61.

1. Kolektiv pro biomorfologii pobocky Akademie R.L.R., Jassy a katedry histologie Ustavu pro lekarsko-farmaceutickou vyuku, Jassy.

(NEURONS physiol) (CELL DIVISION)

PETRASH, I.N.; VASILECHKO, V.P.

Using field data for calculating the phase permeability of rocks for oil and gas. Nauch.-tekh. sbor. po dob. nefti no.16:30-34 '62. (MIRA 15:9)

1. Neftepromyslovoye upravleniye Dolinaneft'.
(Dolina region (Stanislav Province)--Oil reservoir engineering)

AKUL'SHIN, A.I.; VASILECHKO, V.P.

Prospects for developing the Vygoda oil pool in the northern Dolina oil field. Neft. i gaz. prom. no.2:39-41 Ap-Je '64. (MIRA 17:9)

Rumania/ Physical Chemistry - Electrochemistry

B-12

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11371

Author : Vasilecu-Karpen N.
Inst : Academy Rumanian People's Republic
Title : Hydrogen Galvanic Pile

Orig Pub : Pila electrica cu hidrogen.
Comun. Acad. RPR, 1956, 6, No 1, 29-33 (Rumanian; Russian and French summaries)

Abstract : Description of a hydrogen concentration pile in which the negative electrode is platinized Pt, and the positive -- Au. The electrolyte is 0.36% H_2SO_4 solution containing hydrogen (0.001 atm). E.m.f. of the cell is 0.16 v. When the circuit is closed the cell undergoes rapid polarization and e.m.f. and current intensity become very small. When the circuit is opened e.m.f. gradually returns to its initial value.

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VASILEGA, V.S.

Determination of the amount of lime to be used in the purification of diffusion juices. Sakh.prom. 35 no.6:16-18 Je '61.
(MIRA 14:6)

1. Upravleniye sakharnoy promyshlennosti Voronezhskogo sovnarkhoza.
(Sugar manufacture)
(Lime)

VASILEGA, V.S.; IVANOV, S.Z.; SAPRONOV, A.R.

Good manual for students and factory workers. Sakh. prom. 35 no. 5:75-78 My '61. (MIRA 14:5)
(Sugar manufacture)

VASILEGA, V.S.

Concerning S.F.Skorbilin's new formula for determining the amount of lime used in juice purification. Sakh.prom. 35 no.7:24-26 Jl '61. (MIRA 14:7)

1. Voronezhskiy sovnarkhoz.
(Sugar manufacture) (Lime)

VASILEGA, V.S.; IVANOV, S.Z.; SAPRONOV, A.R.

"Technology of sugar manufacture from sugar beets" by I.M.Litvak. Reviewed by V.S.Vasilega, S.Z.Ivanov, A.R.Sapronov. Izv.vys.-ucheb.zav.; pishch.tekh. 2:160-162 '62. (MIRA 15:5)
(Sugar manufacture) (Litvak, I.M.)

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

Bc

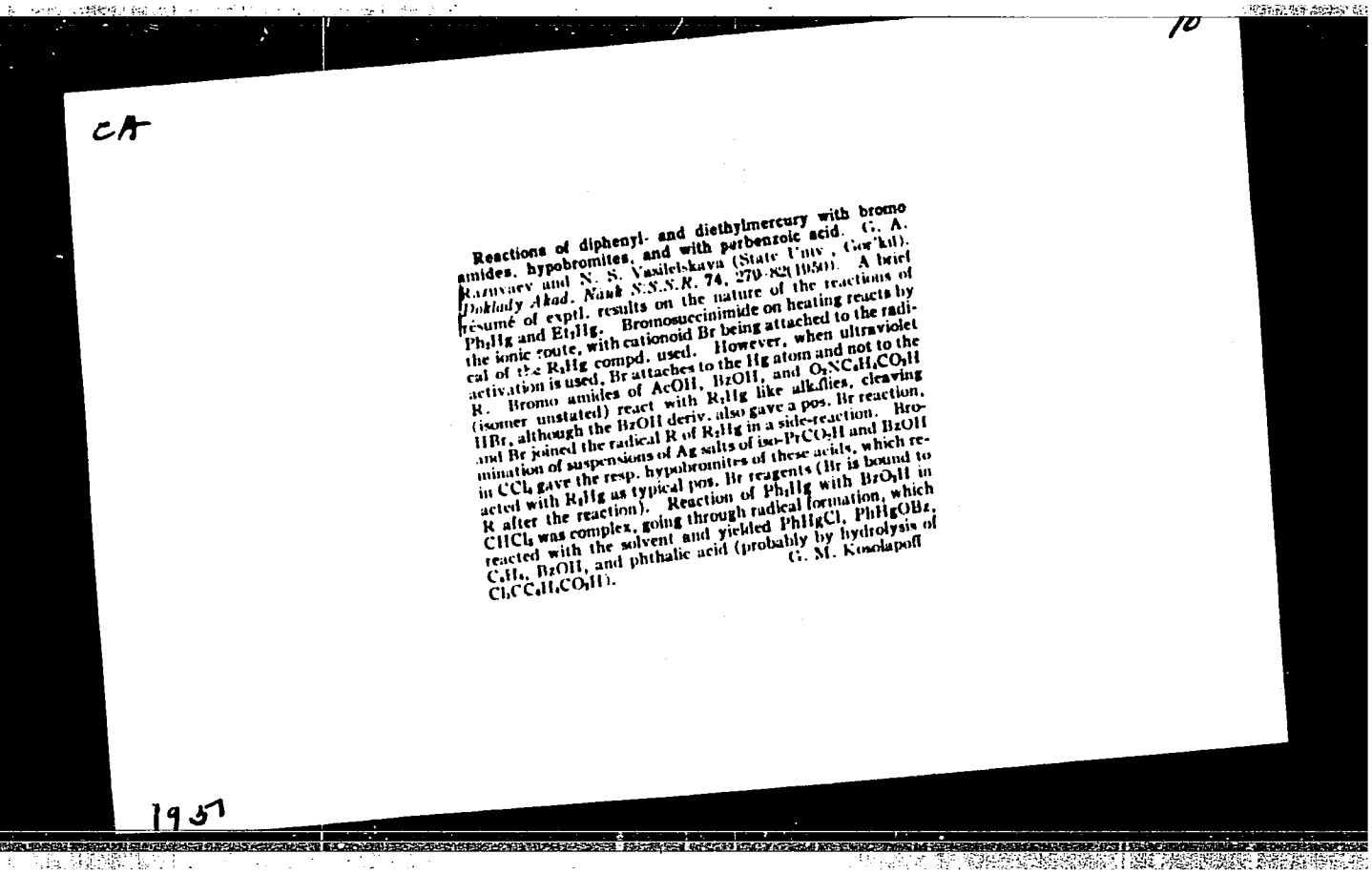
1676. Spectral analysis of samples in powder form. N. S. Vasil'evskaja (Bull. Acad. Sci. U.R.S.S., Sér. Phys., 1940, 4, 448–449).—The Ag content of powders (nature not stated), containing $AgNO_3$ equiv. to 0·05–0·5% Ag, is determined by means of an a.c. arc method. Al electrodes containing 0·01% Cu are used; the arcing surface of the upper is a truncated cone, and a water paste of the sample is placed in a channel cut across the tip of the lower electrode, which is mounted so that the channel is in line with the optical axis of an ultra-violet spectrograph. The spectra are examined by the method of photometric interpolation, the Ag line 3383 A. being compared with the Cu line 3274 A. The use of Al, or other metal, electrodes may be advantageous in other cases when C electrodes of suitable purity cannot be obtained. [illegible] R. S.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

CA

10

Reaction of bromosuccinimide with some organomercury compounds. G. A. Razuvaev and N. S. Vasilelskaya. *Doklady Akad. Nauk S.S.S.R.* **67**, 851–4 (1949).—Reaction of equimol. amts. of bromosuccinimide (I) with R_2Hg in C_6H_6, $CHCl_3$, or CCl_4 gave $RHgN(C_4H_4O_2)$ derivs. with formation of RBr, which indicates a concealed or pseudo-ionic mechanism of reaction, proceeding probably via an unstable complex formed with unshared N electrons. The derivs. obtained were (R in above formula): *PhCH*$_2$, m. 162°; *p-Me*$_2$*NC*$_6$*H*$_4$, m. 222°; *Et*, m. 129.5°; and *Ph*, m. 197°, in 90, 77, 77, and 80% yields, resp. Use of RR'Hg reagents showed that *p*-$Me_2NC_6H_4$, *p*-$MeOC_6H_4$, and Me_2CH radicals sep. themselves from the Hg of RR'Hg in this reaction, forming RBr, while *p*-$O_2NC_6H_4$, *p*-BrC_6H_4, Et, and $PhCH_2$ remain attached to Hg when reagents of type RPhHg are used; the yields again range from 60 to 82% and the addnl. products obtained are *p-O*$_2$*NC*$_6$*H*$_4$*HgNC*$_4$*H*$_4$*O*$_2$, m. 243°; *p-BrC*$_6$*H*$_4$*HgNC*$_4$*H*$_4$*O*$_2$, m. 227°; and *p-MeOC*$_6$*H*$_4$*HgNC*$_4$*H*$_4$*O*$_2$, m. 225°. The products are sol. in H_2O and org. solvents. G. M. Kosolapoff



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CA

Reactions of diphenyl- and diethylmercury with bromo amides, hypobromites, and with perbenzoic acid. G. A. Razuvaev and N. S. Vasilelskaya (State Univ., Gor'kii). *Doklady Akad. Nauk S.S.S.R.* 74, 279–82 (1950). A brief résumé of exptl. results on the nature of the reactions of Ph_2Hg and Et_2Hg. Bromosuccinimide on heating reacts by the ionic route, with cationoid Br being attached to the radical of the R_2Hg compd. used. However, when ultraviolet activation is used, Br attaches to the Hg atom and not to the R. Bromo amides of AcOH, BzOH, and $O_2NC_6H_4CO_2H$ (isomer unstated) react with R_2Hg like alkalies, cleaving HBr, although the BzOH deriv. also gave a pos. Br reaction, and Br joined the radical R of R_2Hg in a side-reaction. Bromination of suspensions of Ag salts of iso-$PrCO_2H$ and BzOH in CCl_4 gave the resp. hypobromites of these acids, which reacted with R_2Hg as typical pos. Br reagents (Br is bound to R after the reaction). Reaction of Ph_2Hg with BzO_2H in $CHCl_3$ was complex, going through radical formation, which reacted with the solvent and yielded PhHgCl, $PhHgOBz$, C_6H_6, BzOH, and phthalic acid (probably by hydrolysis of $ClCC_6H_4CO_2H$).

G. M. Kosolapoff

1951

1. RAZUVAEV, G. A., VASILIEVKAIA, N. S.

2. USSR (600)

4. Carbon Tetrachloride

7. Free-radical reactions of carbon tetrachloride, Usp. khim. 22, no. 1, 1953.

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

VASIL'EN, K.

7519 VASIL'EN, K.

NAUKA I RELIGIYA O PROISKHOZHDENII CHELOVEKA. ULAN-UDE, BURYAT-MONGOL. KN. IZD., 1954. 28S. 20SM (B. KA PROPGANDISTA ATEYSTA) 2,000 EKZ. 25 K.--NA BURYAT- MONGOL.YYAZ.-(55.649) P 572.44 2

So: Knizhnya Letopis (pge 21) VOL. 7, 1955

VASILENKO, A.

In Kiev no attention is paid to propagandizing aviatorial skill.
Grazhd. av. 12 no.11:10-11 N '55. (MIRA 15:9)
(Aeronautics--Study and teaching)

VASILENKO, A.

Work and life of a small unit. Grazhd.av. 13 no.1:8-9 Ja '56.
(MLRA 9:5)

(Aeronautics, Commercial)

VASILENKO, A.

When the Party office pays little attention to the economy of production. Grazhd.av.13 no.7:24-25 Jl '56. (MLRA 9:9)
(Airplanes--Maintenance and repair)

VASILENKO, A.

Tu-104 flies to the East. Grazhd.av. 13 no.8:7-8 Ag '56.
(MLRA)

(Jet planes)

VASILENKO, A.

At the airport of a health resort town. Grazhd.av.13 no.11:34 N '56.
(Sochi--Airports) (MLRA 10:2)

VYSHENKOV, I.; VASILENKO, A.

Start of an important work ("Using aviation in agriculture of northern regions" by N.S.Antrushin. Reviewed by I.V.Vyshenkov, A.Vasilenko). Grazhd.av.13 no.12:34 D '56. (MLRA 10:2)
(Aeronautics in agriculture) (Antrushin, N.S.)

VASILENKO, A.

Visiting the airplane "Moskva." IUn.tekh. 2 no.10:59-61 O '57.
(MIRA 10:10)

(Airplanes)

VASILENKO, A.

The airplane is off-schedule. Grazhd. av. 14 no.4:29-30 Ap '57. (MIRA 10:6)

1. Spetsial'nyy korrespondent zhurnala "Grazhdanskaya aviatsiya". (Aeronautics, Commercial)

AUTHOR: Vasilenko, A. SOV/84-58-8-47/59

TITLE: A Story About Civil Airmen (Povest' o grazhdanskikh letchikakh)

PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 8, p 32 (USSR)

ABSTRACT: This is a review of a story by P. Osipov, "Above the Sea (Naval Airmen)" (Nad morem;Morskiye letchiki), published by the newspaper "Volga," Astrakhan', 1957, 161 p. The story deals with the problem of adaptation to peacetime occupations of airmen discharged from the Navy.

Card 1/1

VASILENKO, A. (g.Kostroma)

Planes take off from Kostroma. Grazhd.av. 17 no.1:15-16 Ja '60. (MIRA 13:5)
(Kostroma Province--Airlines, Local service)

VASILENKO, A. [Vasylenko, A.], radiolyubitel' (Simferopol'); BLOMKVIST, YE. [Blomkvist, IE.], radiolyubitel' (Simferopol')

Photoelectronic automat for the control of electric street lights. Nauka i zhyttia 12 no.7:55-56 Jl '62. (MIRA 16:1)
(Electronic control) (Street lighting)

VASILENKO, A., obzhigal'shchik.

General overhaul of chambers without stopping annular kilns. Stroi. mat. 3 no.5:33-34 My '57. (MLRA 10:6)

1. Groznenskogo kirpichnogo zavoda No.1 Chechenо-Ingushskogo upravleniya promyshlennosti stroitel'nykh materialov.
(Groznyy--Hoffmann kiln)

BASSINA, M.; KAPUSTIN, Yu.; PELIPEY, V.; VASILENKO, A.

For the prize offered by "Radio" magazine. Radio no.11:15-16 N '56. (MLRA 9:12)

1. Nachal'nik kollektivnoy radiostantsii L'vovskogo radiokluba (for Bassina). 2. Nachal'nik kollektivnoy radiostantsii kluba UA3KWA (for Kapustin). 3. Nachal'nik Zaporozhskogo radiokluba (for Pelipey).
(Radio--Competitions)

VASILENKO,A.

A feat. Grazhd. av. 12 no.4:39 Ap '55. (MLRA 8:9)
(Mamkin, Aleksandr Petrovich)

VASILENKO, A. (gor. Krasnoyarsk).

Patriotic work of the people of Krasnoyarsk. Grazhd. av. 14 no.3: 4 Mr '57. (MLRA 10:6)

(Krasnoyarsk--Aeronautics, Commercial)

"Some word about asphalt."
Chemicky Prumysl, Praha, Vol 4, No 5, May 1954, p. 179

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

VASILENKO, A.A., akademik, otv.red.; GORSHKOV, A.A., red.; POSTNIKOV, I.M., doktor tekhn.nauk, red.; KUTSENKO, S.M., doktor tekhn.nauk, red.; ADAMENKO, A.I., kand.tekhn.nauk, red.; DAVYDOV, G.M., kand.ekonom.nauk, red.; LEPKIY, S.D., red.izd-va; BUNIY, R.A., tekhn.red.

[Manufacture of machinery; proceedings of a conference on the development of productive forces of the Kharkov Economic Region] Voprosy mashinostroeniia; trudy nauchno-tekhnicheskoi konferentsii po razvitiiu proizvoditel'nykh sil Khar'kovskogo ekonomicheskogo raiona. Kiev. No.3. 1960. 182 p. (MIRA 14:3)

1. Akademiya nauk USSR, Kiyev. Sovet po izucheniyu proizvoditel'nykh sil Ukrainskoy SSR. 2. AN USSR (for Vasilenko). 3. Chlen-korrespondent AN USSR (for Gorshkov).
(Kharkov Economic Region--Industries)

VASILENKO, A. A.

Modified cast-iron in machanical engineering. Kiev, Gos. izd-vo tekhn. lit-ry Ukrainy, 1950. 165 p. (51-29069)

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VASILENKO, A. A.

RT-1360 [Inoculated Cast Iron in Machine Building] Preface, Introduction (pp. 3-11), pages 70-96, and 132-166 from:
Modifitsirovannyi Chugun v Mashinostroenii. Kiev, 1960.

181T79

VASILENKO A. A.

USSR/Metals - Cast Iron Jul 50

"First Scientific and Technological Conference on High-Quality Cast Irons," A. A. Vasilenko, Act Mem, Acad Sci Ukrainian SSR and Laureate of Stalin Prize

"Visnyk Ak Nauk Ukrains'koy RSR" No 7, pp 63-69

Conference 8-9 May 50 consisted of representatives of large plants, sci res institutions and ministries of Ukrainian SSR and USSR. Discussed theory of cast-iron alloying and evaluating quality of alloy cast iron and high-strength iron. Gives conclusions and suggestions.

LC 181T79

VASILENKO, A. A.

Modifiziertes Cusseisen Im Maschinenbau; Von A. A. Vasilenko Und I. S. Grigor'yev.
Leipzig, Fachbuchverlag, 1953.
116 p. Illus., Diagrs., Tables.
Translation from the Russian, "Modifitsirovannyy Chugun V Mashinostroyenii", Kiev, 1950.
"Literaturnachweis": p. 114-116.

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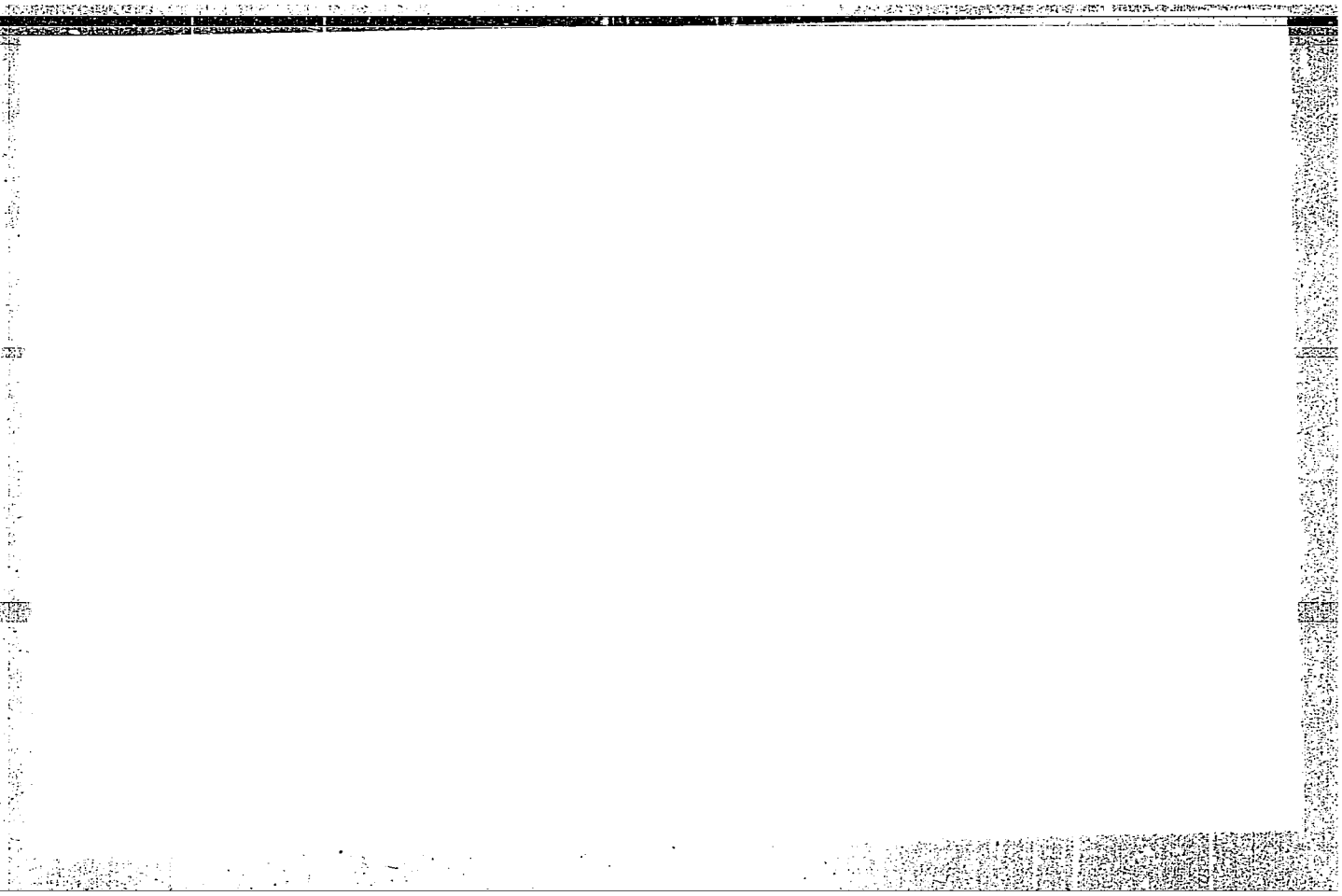
VASILENKO, A.A., redaktor; VASHCHENKO, K.I., redaktor; GRIGOR'YEV, I.S., redaktor; SHREDENKO, B.N., redaktor; FAYNERMAN, I.D., redaktor; SOROKA, M., redaktor; RUDENSKIY, Ya., tekhredaktor

[High-strength cast iron] Vysokoprochnye chuguny. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, Ukrainskoe otd-nie, 1954. 303 p. [Microfilm] (MLRA 8:3)

(Cast iron)



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SOV/137-58-10-21561

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 158 (USSR)

AUTHOR: Vasilenko, A.A.

TITLE: High-strength Cast Iron in Machine Building (Vysokoprochnyy chugun v mashinostroyenii)

PERIODICAL: Nauchn. tr. In-ta mashinoved. i s.-kh. mekhan. AN UkrSSR, 1958, Vol 6, pp 3-32

ABSTRACT: A description of results of extended investigations dealing with the manufacture of cast iron with spheroidal graphite (CISG) and with studies of its properties. In order to obtain CISG, a cast iron containing more than 5.6% (C+Si) is inoculated with the following: a) An alloying addition of FeSi-Mg or SiCa-Mg containing 20% Mg, and b) metallic Mg in enclosed chambers or ladles. High strength and good wear-resistance properties are imparted to the CISG after it has been subjected to heat treatment consisting of the following procedures: 1) Heating of the metal to a temperature of 950-980°C for a period of 1-2 hours and maintaining it at that temperature for 1-2 hours; 2) cooling the metal in a furnace to 900° at a rate of 80-100°/hr, and 3) further cooling in air. Mechanical

Card 1/2

High-strength Cast Iron in Machine Building

properties of the cast iron after the heat treatment are as follows: σ_b, 55-65 kg/mm^2; δ, 1.5-3.5%; a_k, 0.8-2.1 kgm/cm^2. A high-speed method was developed for the production of malleable cast iron which can be annealed within 4 to 10 hours. Also developed was a novel double-inoculation method whereby the cast iron is first inoculated with Mg and then with FeSi; the graphitizing process in this type of cast iron is completed at the time of solidification of the cast in its mold. Tests performed on CISG at a temperature of 450± 2.5° revealed a σ_{pl} value of 12 kg/mm^2 and a σ_{cr} of 20 kg/mm^2; these figures are approximately twice as great as corresponding values of carbon steels. Introduction of 1.2-3.5% of Mn into the CISG, after appropriate heat-treatment procedures, permits one to obtain an austenite base; the cast iron thus obtained is nonmagnetic and possesses good wear-, corrosion-, and heat-resistant properties.

E.Sh.

1. Cast iron--Properties 2. Cast iron--Applications

Card 2/2

VASILENKO, A.A. [Vasylenko, A.O.]; GEZ, Yu.I. [Hez, IU.I.]

Effect of phosphorus content on the properties of cast iron with nodular graphite. Nauk. pratsi Inst. lyv. vyrob. AN URSR 8:28-41 '59. (MIRA 14:1)
(Cast iron--Testing) (Phosphorus)

VASILENKO, A. A.

PHASE I BOOK EXPLOITATION SOV/5053

Vsesoyuznaya konferentsiya po treniyu i iznosu v mashinakh. 3d, 1958.

Iznos i iznosostoykost'. Antifriktsionnyye materialy (Wear and Wear Resistance. Antifriction Materials) Moscow, Izd-vo AN SSSR, 1960. 273 p. Errata slip inserted. 3,500 copies printed. (Series: Its: Trudy, v. 1)

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya.
Resp. Ed.: M. M. Khrushchov, Professor; Eds. of Publishing House: M. Ya. Elebanov, and S. L. Orpik; Tech. Ed.: I. V. Polyakova.

PURPOSE: This collection of articles is intended for practicing engineers and research scientists.

COVERAGE: The collection published by the Institut mashinovedeniya, AN SSSR (Institute of Science of Machines, Academy of Sciences USSR) contains papers presented at the XII Vsesoyuznaya Konferentsiya po treniyu i iznosu v mashinakh (Third All-Union Conference on Friction and Wear in Machines) which was held April 9-15, 1958. Problems discussed were in 5 main areas: 1) Hydrodynamic Theory of Lubrication and Friction Bearings (Chairmen: Ye. M. Gutyar, Doctor of Technical Sciences, and A. K. D'yachkov, Doctor of Technical Sciences); 2) Lubrication and Lubricant Materials (Chairman: G. V. Vinogradov, Doctor of Chemical Sciences); 3) Dry and Boundary Friction (Chairmen: B. V. Deryagin, Corresponding Member of the Academy of Sciences USSR, and I. V. Kragel'skiy, Doctor of Technical Sciences); 4) Wear and Wear Resistance (Chairman: M. M. Khrushchov, Doctor of Technical Sciences); and 5) Friction and Antifriction Materials (Chairmen: I. V. Kragel'skiy, Doctor of Technical Sciences, and M. M. Khrushchov, Doctor of Technical Sciences). Chairman of the general assembly (on the first and last day of the conference) was Academician A. A. Blagonravov, L. Th. Pruchanskiy, Candidate of Technical Sciences, was scientific secretary. The transactions of the conference were published in 3 volumes, of which the present volume is the first. This volume contains articles concerning the wear and wear resistance of antifriction materials. Among the topics covered are: modern developments in the theory and experimental science of wear resistance of materials, specific data on the wear resistance of various combinations of materials, methods for increasing the wear resistance of certain materials, the effects of friction and wear on the structure of materials, the mechanism of the seizing of metals, the effect of various types of lubricating materials on seizing, abrasive wear of a wide variety of materials and components under many different conditions, modern developments in antifriction materials, and the effects of finish machining on wear resistance. Many personalities are mentioned in the text. References accompany most of the articles.

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7

SOV-21-58-4-4/29

AUTHORS: Vasilenko, A.A., Member of the AS UkrSSR, and Savich, P.V.

TITLE: Determination of Soil Density by Radioactive Isotopes (Opredeleniye plotnosti gruntov s pomoshch'yu radioaktivnykh izotopov)

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1958, Nr 4, pp 372-375 (USSR)

ABSTRACT: The Institute of Machine Study of the AS UkrSSR investigated the density of various soils, such as sand, clay and black earth, by means of radiation from Co^{60} radioactive isotopes having an intensity of about 1 millicurie. The experiments have shown that the parallel beam of monochromatic gamma-rays was absorbed by those soils according to an exponential law:

$$J_h = J_0 e^{-\mu h}$$

where J_h is the intensity of radiation after passing a h-thick layer of soil, J_0 is the intensity of radiation without an absorber, μ is the linear coefficient of absorption. The ratio of linear absorption coefficient to the density of a substance ρ is a constant quantity for a given radiation

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Determination of Soil Density by Radioactive Isotopes

source and the same geometry of experiment, i.e.

$$\frac{\mu}{\rho} = C$$

Therefore, the density of the soil can be found by the value of the linear absorption coefficient, and the authors come to a conclusion that radioactive isotopes can be effectively employed in determining the density and zones of deformation of soils with different physical properties. The performed experiments furnish grounds for designing measuring devices for determining soil characteristics under field conditions. There are 4 graphs and 1 diagram.

ASSOCIATION: Institut mashinovedeniya AN Ukr SSR (Institute of Machine Study of the AS Ukr SSR)

SUBMITTED: August 10, 1957

NOTE: Russian title and Russian names of individuals and institutions appearing in this article have been used in the transliteration.

1. Soils--Density 2. Isotopes (Radioactive)--Applications
Card 2/2 3. Mathematics--Applications

VASILENKO, A.A., akademik; SAVICH, P.V., inzh.

New methods for determining soil density. Mekh. i elk. sots. sel'khoz. 15 no.2:20-22 '58. (MIRA 11:5)

1. Institut mashinovedeniya AN USSR. 2. AN USSR (for Vasilenko).
(Soil physics)

VLASYUK, P.A., otvetstvennyy red.; VASILENKO, A.A., red.; YUKHIMCHUK, F.F., kand.sel'skokhozyaystvennykh nauk, red.; ZELIGMAN, S.B., kand. tekhn.nauk, red.; KUKHARENKO, N.I., kand.biol.nauk, red.; MULYARSKIY, B.Ya., red.izd-va; SIVACHENKO, Ye.K., tekhn.red.

[Improving techniques of using fertilizers] Usovershenstvovanie tekhniki vneseniia udobrenii. Kiyev, 1955. 255 p. (MIRA 11:6)

1. Akademiya nauk URSR. Kiyev. Rada po vyvcheniyu produktivnykh sil URSR. 2. Deystvitel'nyy chlen Akademii nauk USSR i Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Vlasyuk) 3. Deystvitel'nyy chlen Akademii nauk USSR (for Vasilenko)
(Fertilizers and manures)

VASILENKO, A.A., akademik

Over-all mechanization in sugar-beet growing and harvesting.
Mekh. i elek. sots. sel'khoz. 19 no.2:4-7 '61. (MIRA 14:3)

1. Akademiya nauk USSR.
(Sugar beets) (Agricultural machinery)

VASILENKO, A.A., akademik [deceased]; GERASIMCHIK, V.G., inzh.

Study of the haulm cutting apparatus of beet harvesters with haulm cutting at the root. Mekh. i elek. sots. sel'khoz. 21 no.4:3-7 '63. (MIRA 16:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.
(Sugar beets--Harvesting) (Harvesting machinery)

ACC NR: AP6026796 (A) SOURCE CODE: UR/0198/66/002/007/0095/0102

AUTHOR: Vasilenko, A. A. (Kiev)

ORG: Kiev Technological Institute of Light Industry (Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti)

TITLE: Design of flexible members of "wave-type" gearings

SOURCE: Prikladnaya mekhanika, v. 2, no. 7, 1966, 95-102

TOPIC TAGS: toothed gear transmission, flexible gear transmission, wave type gearing, flexible gearing

ABSTRACT: The "wave-type" gearing (volnovaya peredacha) consists of three basic elements (see Fig. 1): a flexible gear or cylinder (2) with teeth on the inner (or outer) surface, a generator (1) on the outer (or inner) surface of the cylinder (2), and a rigid gear (3) with outer (or inner teeth) against which the gear or cylinder (2) is pressed by generator (1); the latter can have 2, 3 or 4 pressure elements. In the article, the state of strain

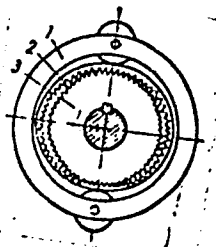


Fig. 1. Wave-type gearing

Card 1/2

Card 2/2

VASILENKO, A.F.

"Flexible wire shafts" by G.I.Kogan-Vol'man. Reviewed by A.F. Vasilenko. Stroi.i dor.mashinostr. 3 no.12:35 D '58. (MIRA 11:12)

(Shafting) (Kogan-Vol'man, G.I.)

VASILENKO, A. G.

"Directed Variability of Microorganisma, Report 1, " "Directed Development of Antagonistic Characteristics in Sporous Aerobes," Zhur Mikrobiol, Epidemiol i Immunobiol, 1951, No. 1

Mikrobiologiya, Vol XX, No. 5, 1951.
W-24635.

VASILENKO, A. G.

"Directed Variability of Microorganisms, Report II, Dependence of Antagonism and Satellitism in the Sporous Aerobes on Phases of Microbe Dissociation," Zhur Mikrobiol, Epidemiol i Immunobiol, 1951, No. 2.

Mikrobiologiya, Vol XX, No. 5, 1951
[redacted]W-24635

VASILENKO, A.G.

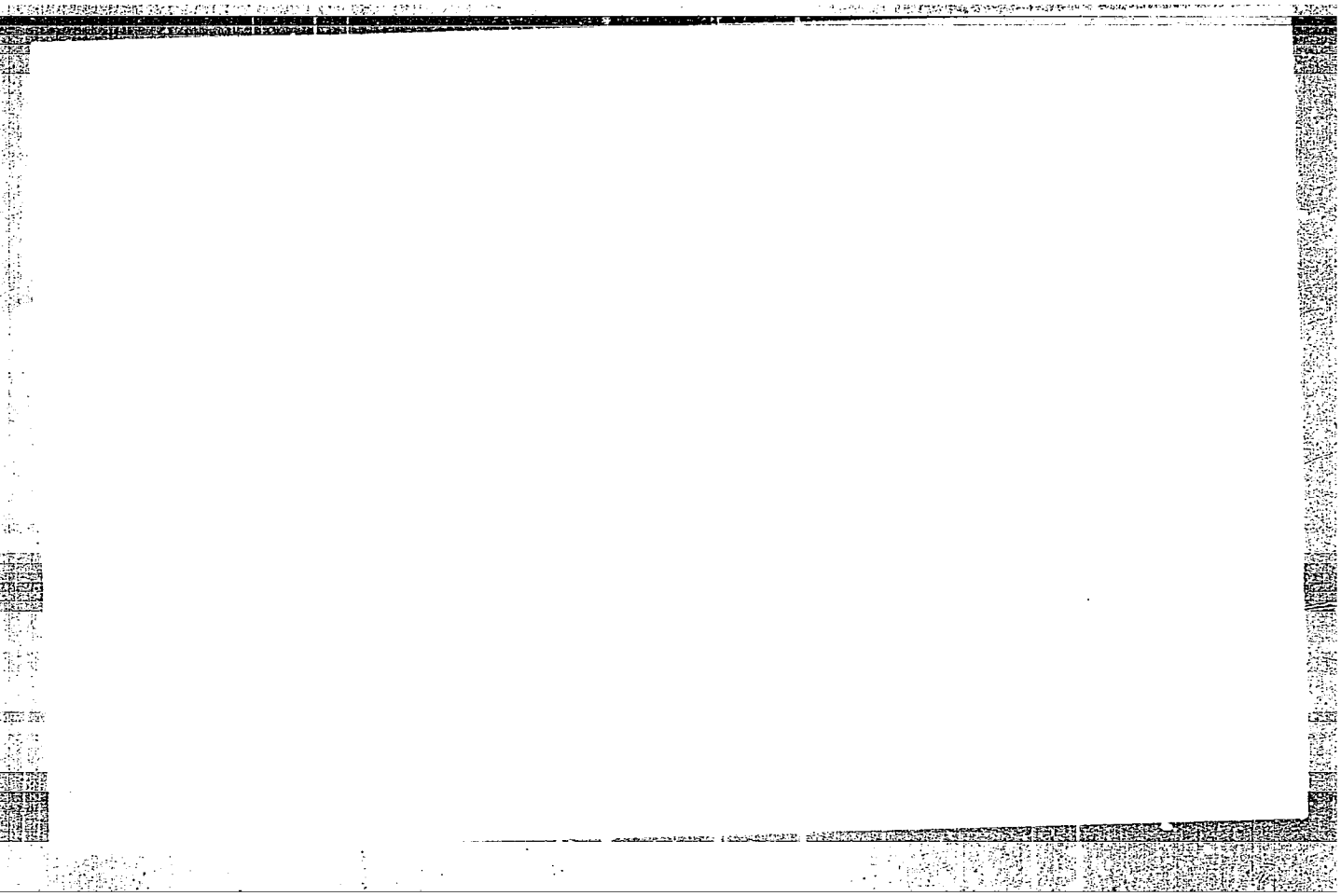
Directed variability of antagonistic properties. Mikrobiologiia, Moskva 21 no. 6:671-676 Nov-Dec 1952. (CLML 23:3)

1. Chernovitsy Medical Institute.

VASILENKO, A.G.

Suknev-Vol'ferts' nurturing method for the regeneration of filterable forms of microbes. Zhur.mikrobiol.epid.i immun. no.1:46 Ja '54. (MLRA 7:2)

1. Iz kafedry mikrobiologii Chernovitskogo meditsinskogo instituta. (Bacteriology--Cultures and culture media)



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USSR/Microbiology. General Microbiology. F

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57441

Author : Vasilenko A. G.
Inst : Not Given
Title : On Some Regularities of Directed Variability of the Coli Bacillus

Orig Pub : Mikrobiologiya, 1957, 26, No 2, 160-166

Abstract : Eleven variants were obtained 28 to 35 days after daily passages of selected colonies of the Escherichia coli strain on a semi-starvation medium, to which bacteria of the B Breslau 2110 strain killed by heating were added . Seven of these were agglutinated with the Flexner and Grigor'yev serum to a titer of 1/200 and lysed with the dysentery bacteriophage. The biochemical properties of 4 variants did not change.

STALINSKIY MEDITSINSKIY INST. im A.M. Gor'kogo

Card 1/2

VASILENKO, A.G., BELYKH, G.A.

Studies on controlled variability of Enterobacteriaceae employing radioactive sulfur and phosphorus [with summary in English]. Mikrobiologiia 27 no.5:565-569 S-O '58 (MIRA 11:12)

1. Stalinskiy meditsinskoy institut imeni A.M. Gor'kogo, Stalino.
(BACTERIA,
Enterobacteriacea, variability in presence of Salmonella breslau, radiosulfur & radiophsophorus studies (Rus))
(SALMONELLA,
breslau, eff. on variability of Enterobacteriacea, radiosulfur & radiophosphorus studies (Rus))

VASILENKO, A.G.

Study of the variability of microbes of the intestinal group in experiments on dogs. Report No.1. Zhur.mikrobiol.epid.i immun. 31 no.1:66-71 Ja '60. (MIRA 13:5)

1. Iz Ternopol'skogo meditsinskogo instituta i Stalinskogo meditsinskogo instituta.
(INTESTINES microbiol.)

VASILENKO, A.G.; NOGACHEVSKIY, I.I.; DZIS', I.P.

Interrelations of autoinfection and leukopenia and connective tissue mast cell reactions in radiation injury. Med. rad. 5 no.12:72-73 '60. (MIRA 14:3)
(RADIATION SICKNESS) (LEUKOPENIA)
(MAST CELLS)

VASILENKO, A.G.; NOGACHEVSKIY, I.I.

Role of biocenosis of the intestinal microflora following radiation. Report No. 1: Interrelation of autoinfection, leucopenia, and the role of latent infection following radiation. Zhur.mikrobiol.epid.i immun. 33 no.5:117-118 My '62. (MIRA 15:8)

1. Iz Ternopol'skogo meditsinskogo instituta.
(INTESTINES—MICROBIOLOGY) (RADIATION—PHYSIOLOGICAL EFFECT)
(LEUCOPENIA)

VASILENKO, Anatoliy Ivanovich; KOMAROVA, S.G., red.

[Small sewage purification structures] Malye ochistnye kanalizatsionnye sooruzheniia. Kiev, Izd-vo "Budivel'nyk," 1964. 99 p. (MIRA 17:11)

VASILENKO, A.I., kand. tekhn. nauk

Composition and purification of waste waters from porcelain and faience factories. Vod. i san. tekh. no.11:3-4 N '65.
(MIRA 18:12)

VASILENKO, A.M.

Large diameter gear wheel calculation. Sbor.trud.Inst.stroi.mekh. AN URSR no.20:39-72 '55. (MLRA 8:7)
(Gearing)

VASILENKO, A.M. [Vasylenko, A.M.]

Designing the support frame of the S-4 self-propelled combine. Nauk. pratsi Inst. lyv. vyrob. AN URSR 7:5-53 '59. (MIRA 14:1)
(Combines (Agricultural machinery))

VASILENKO, A.M. [Vasylenko, A.M.] (Kiyev); TROFIMOVICH, V.V.[Trofymovych, V.V.] (Kiyev)

Designing three-dimentional structures of forging-crane bridges. Prykl.mekh. 7 no.3:304-312 '61. (MIRA 14:6)

1. Institut legkoy promyshlennosti i Inzhenerno-stroitel'nyy institut.
(Cranes, derricks, etc.)

ORLOVA, Z.M., dots.; TALEPOROVSKAYA, V.V., dots.; MONAKHOVA, L.A., inzh.; YURKOVA, V.A., inzh.; CHAYANOV, R.A., red.; VASILENKO, A.N., red.

[Manufacture of dress and suit fabrics of mixtures of lavsan with cotton and viscose fibers] Proizvodstvo platel'nykh i kostiumnykh tkanei iz smesei lavsana s khlopkom i viskoznym voloknom. Moskva, 1963. 31 p. (MIRA 17:5)

1. Moscow. TSentral'nyy institut nauchno-tekhnicheskoy informatsii legkoy promyshlennosti.