S/865/62/001/000/026/033
E028/E485

AUTHORS: Baranovskaya, I.V., Gyurdzhian, A.A.

TITLE: Containers for certain biological materials used in experiments in satellites

SOURCE: Problemy kosmicheskoy biologii. v.1. Ed. by N.M.Sisakyan. Moscow, Izd-vo AN SSSR, 1962. 405-407

TEXT: Containers for housing biological test materials during space flights are described. They are constructed in plexiglass, a material which does not afford any protection against ionizing radiation. (1) A container for Tradescantia consists of 2 cylinders 150 to 170 mm in length and 70 to 75 mm in diameter, which fit together to form a closed pot. The plant is grown in garden soil in the bottom half and the soil is kept in position with a layer of gauze and a metal grid. (2) Drosophila is kept in conical or pyramidal flasks of diameter 50 to 60 mm and height 75 to 95 mm. A layer of nutrient medium is placed on the bottom. (3) Seeds are kept in square boxes of side 60 to 70 mm and depth 10 to 15 mm. (4) Cultures of Actinomyces or Chlorella are grown in the appropriate media in stoppered tubes 180 mm in

Card 1/2

Containers for certain ...

length and 20 mm in diameter. The containers have all been used successfully during space flights. There is 1 figure.

Card 2/2

S/865/62/001/000/027/033
E028/E485

AUTHORS: Baranovskaya, I.V., Gyurdzhian, A.A.

TITLE: Provision of conditions for the prolonged flight of mice in a space ship

SOURCE: Problemy kosmicheskoy biologii. v.1. Ed. by N.M.Sisakyan. Moscow, Izd-vo AN SSSR, 1962. 408-411

TEXT: A container for housing mice during space flights is described, consisting of a rectangular box of sides 17 x 12 x 12 cm made of 5 x 5 mm wire mesh, one end of which is detachable. To the sides and top are fixed 8 cylindrical food containers, 16 mm in diameter, equal in length to the box. A slit 10 mm in width runs along the greater part of each container to allow the mice to gain access to the food. To the back end of the box is fixed a square water tank holding 250 to 300 ml. An S tube leads from the water tank to the interior of the mouse box and is occupied by a wick which allows water to escape from its end at the rate of 1 to 2 drops per minute. Food pellets of special composition are loaded into the food containers. Ten to fifteen mice may be placed in the box and in laboratory experiments it was possible to

Card 1/2

Provision of conditions ... S/865/62/001/000/027/033
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maintain them in good health for 10 to 15 days. The container was used successfully during the second and subsequent space flights. There is 1 figure.

Card 2/2

BARANOVSKIY, K.F.

Use of a different type of plunger packing. Spirt.prom. 21 no.4: 29 '55. (MLRA 9:3)

1. Vinnitskiy spirtovyy zavod.
(Packing (Mechanical engineering))

USSR/Microbiology. Microbes Pathogenic for Man and F
Animals

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57686

Author : Baranovskiy L. M.
Inst : Not given
Title : Bacilli Secretion and the Condition of the Bile Ducts in Typhoid Fiver Convalescents

Orig Pub : Zdravookhr. Kazakhstana, 1957, No 2, 28-29

Abstract : In the overwhelming number of convalenscents (159) from typhoid fever no pathology of the bile ducts (on the basis of the investigation of bile fractions B and C) were found. Seeding of feces and urine from the convalascents were conducted 2 to 3 times; seeding of the bile-- once on the 10th to the 14th day of normal temperature. Coproculture was obtained with consi-

Card 1/2

USSR/Microbiology. Microbes Pathogenic for Man and Animals F

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57686

Abstract : derably greater frequency (13 to 15%) than culture from the bile (2 to 5%). No definite connection between bacteria secretion and the condition of the bile ducts was found.

Card 2/2

BARANOVSKIY L. M.

EXCERPTA MEDICA Sec 6 Vol 13/9 Internal Med Sept 59

5167. CLINICAL CHARACTERISTICS OF INFLUENZA (Russian text) - Baranovskii L. M., Beklemishev I. P., Burbaeva A. I., Vladimirov V. N., Kadyrova B. K., Klimova U. P., Kudryakova V., Kulkina E. S., Lyslova E. I., Maslova L. M., Piskunova V. I., Popava S. N., Reformatskaya A. F., Possova O. V., Semiotrochev V. L., Fokina M. K., Chorchenko Z. S., Shkradyuk F. S. and Yurlova A. N. Dept. Infect. Dis., Kasakh City Med. Inst. and Alma-Ata Hosp. no. 1 for Clin. Infect. Dis. - ZDRAVOOKR. KAZ. 1958, 18/7 (32-36)

A clinical evaluation is presented of 376 cases of virus influenza, chiefly of type A_2, which were hospitalized during the pandemic of 1957 in Alma Ata. In contrast to other reports, lytic defervescence could be found in only a few cases. Mortality was 0.5%. Horn - Leipzig (L, 6, 17)

BARANOVSKIY, L.M., vrach; ZAYTSEVA, M.D., meditsinskaya sestra

Nurses' councils. Med. sestra 20 no.6:56-57 Je '61. (MIRA 14:7)

1. Iz Gorodskoy klinicheskoy bol'nitsy No.2, Ryazan' (for Baranovskiy).
2. Iz Krovoozerskoy rayonnoy bol'nitsy Nikolayevskoy oblasti (for Zaytseva).

(RYAZAN--NURSES AND NURSING)
(NIKOLAEVSK PROVINCE--NURSES AND NURSING)

L 59484-65 EWA(b)-2/EWA(j)/EWT(1) JK

ACCESSION NR: AP5011270 UR/0016/65/000/004/0014/0018

AUTHOR: Baranovskiy, L. M.; Gritsay, Z. N.; Bunimovich, A. G.; Krushevskaya, K. F.; Anshits, V. I. 23 21 B

TITLE: Tularemia epidemiology in Semipalatinsk oblast

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 4, 1965, 14-18

TOPIC TAGS: tularemia, epidemiology, Semipalatinsk oblast, natural focus, Arvicola terrestris

ABSTRACT: A total of 234 tularemia cases was reported in Semipalatinsk oblast from 1947 to 1963, with the highest incidence rate reported in two (91.8%) of the seven districts. The anginous-bubonic form of tularemia (87.1%) was most frequent, with the eye-bubonic form and pure bubonic form comprising 8 and 4.9% respectively. Natural foci of tularemia were found near rivers and springs of foothills, with Arvicola terrestris the chief source of infection. Epidemic outbreaks were of a water-borne nature. Highest incidence rates (88.8%) were in the months of July to September coinciding with

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L 59484-65
ACCESSION NR: AP5011270

2

the periods of haying, harvesting and other farm activities. Tularemia cultures were repeatedly isolated from organs of water rats and water of various rivers. In 1962 latent tularemia foci were investigated. In Beskargayskiy rayon which had been considered free of tularemia, a tularemia culture was isolated from Dermacentor marginatus picked from cows. The population was given tularemia vaccinations, with top priority assigned to agricultural workers living in the floodplain of the Irtysh River. Orig. art. has: 1 table.

ASSOCIATION: Semipalatinskiy meditsinskiy institut (Semipalatinsk Medical Institute); Oblastnaya sanitarno-epidemiologicheskaya stantsiya (Oblast' Medical-Epidemiological Station)

SUBMITTED: 16Jun64 ENCL: 00 SUB CODE: LS

NR REF SOV: 010 OTHER: 000

Card 2/2

BARANOVSKIY, Leonid Valentinovich; MOLCHANOVA, Ol'ga Pavlovna, red.

[School of balanced nutrition of persons of middle age; methodological materials] Shkola ratsional'nogo pitaniia dlia lits srednego vozrasta; metodicheskie materialy. Moskva, 1959. 21 p. (MIRA 13:9)
(NUTRITION--STUDY AND TEACHING)

BARANOVSKIY, L.V.

Health education on diet in tuberculosis [with summary in French]. Probl.tub. 37 no.1:7-11 '59. (MIRA 12:2)

1. Iz TSentral'nogo nauchno-issledovatel'skogo instituta sanitarnogo prosveshcheniya (dir. Ye.G. Karmanova).
(DIETS, in var. dis.,
tuberc., educ. aspects (Rus))
(TUBERCULOSIS, therapy,
diets, educ. aspects (Rus))

BARANOVSKIY, L.V.

Publicising adequate nutrition for persons of middle and old age. Vop.pit. 20 no.3:64-68 My-Je '61. (MIRA 14:6)

1. Iz TSentral'nogo nauchno-issledovatel'skogo instituta sanitarnogo prosveshcheniya Ministerstva zdravookhraneniya SSSR, Moskva.
(NUTRITION)

BARANOVSKIY, L.V.; BUNNIN, L.S.

Some data from an inquiry into the nutrition of northern Kirghizstan and the resultant tasks of health education. Sov. Zdrav. Kir. no.1: 24-30 Ja-F '62: (MIRA 15:4)

1. Iz TSentral'nogo nauchno-issledovatel'skogo instituta sanitarnogo prosveshcheniya Ministerstva zdravookhraneniya SSSR (direktor - Ye.G. Karmanova) i kafedry organizatsii zdravookhraneniya (zav. - doktor med.nauk, prof. A.A.Aydaraliyev) Kirgizskogo gosudarstvennogo meditsinskogo instituta.
(KIRGHIZISTAN--NUTRITION)

BARANOVSKIY, L.V. (Moskva)

Teaching the population the value of proper nutrition is the duty of a nurse. Med. sestra 22 no.9:57-59 S'63. (MIRA 16:10)
(NUTRITION)

BARANOVSKIY, M., red.; KASHTANOV, F., red.; STEPANOVA, N., tekhn.red.

[Ways of improving technological processes in the Minsk bearing plant] Puti sovershenstvovaniia tekhnologicheskikh protsessov na Minskom podshipnikovom zavode. Minsk, Gos. izd-vo BSSR, Red. nauchno-tekhn.lit-ry, 1958. 226 p.
(MIRA 12:6)

1. Nauchno-tekhnicheskoye obshchestvo mashinnoy promyshlennosti. (Minsk--Bearing industry)

CHISTOSERDOV, Pavel Sergeyevich; BARANOVSKIY, M., red.; VAN[illegible]UK, L., red.

[Standardization of technological processes and the multiple machining of parts] Tipizatsiia tekhnologicheskikh protsessov i gruppovye metody obrabotki detalei. Minsk, Belarus', 1964. 189 p. (MIRA 18:4)

SEREBRYAKOV, Aleksey Alekseyevich; BARANOVSKIY, M.A., nauchnyy red.; ISHKHANOV, V.S., red.; TOKER, A.M., tekhn.red.

[Handbook on mechanical drawing for young workers] Spravochnik po chercheniiu dlia molodogo rabochego. Izd.2., ispr. i dop. Moskva, Vses.uchebno-pedagog.izd-vo Proftekhizdat, 1960. 255 p. (MIRA 13:12)
(Mechanical drawing--Handbooks, vade mecums, etc.)

LETNEV, Boris Yakovlevich; BARANOVSKIY, M.A., nauchnyy red.; MARTENS, S.L., red.; TOKER, A.M., tekhn.red.

[Mechanical drawing for rural machinery operators] Cherchenie dlia sel'skikh mekhanizatorov. Moskva, Vses.uchebno-pedagog. izd-vo Proftekhizdat, 1960. 290 p. (MIRA 13:11)
(Mechanical drawing)

BARANOVSKIY, M.A.; SMOLIN, V.N.

Designation of surface roughness and the use of the ~ sign.
Standartizatsiia 24 no.5:50-51 My '60. (MIRA 14:3)
(Surfaces (Technology)—Standards)

SEREBRYAKOV, Aleksey Alekseyevich; YANKOVSKIY, Konstantin Artem'yevich; PYESHKIN, Mikhail Mikhaylovich; LEVITSKIY, V.S., nauchnyy red.; BABULIN, N.A., nauchnyy red.; BARANOVSKIY, M.A., nauchnyy red.; KOBRUNSKAYA, M.V., red.; PERSON, M.N., tekhn. red.

[Mechanical drawing] Cherchenie. 6., ispr. izd. Moskva, Vses. uchebno-pedag. g.izd-vo Proftekhizdat, 1961. 225 p. (MIRA 14:11)
(Mechanical drawing--Study and teaching)

BARANOVSKIY, Mikhail Adamovich; MOLOCHKOV, Aleksandr Vasil'yevich; KASPER, M., red.; STEPANOVA, N., tekhn. red.

[Lathe operator's manual]Spravochnik tokaria. Minsk, Gosizdat BSSR, 1962. 491 p. (MIRA 15:11)
(Lathes) (Turning)

BARANOVSKIY, N.A.

35275. Sovmestnaya rabota kondensatora i generatora pri postoyannom i peremennom rezhimakh. V SB: 50 Let Dnevsk. Politekhn. In-Ta. Kiev, 1948, S. 405-17

SO: Letopis' Zhurnal'nykh Statey Vol. 38, 1949 Moskva

SHVETSOV, P.D., professor; BARANOVSKIY, M.A., kandidat tekhnicheskikh nauk, dotsent, retsenzent, redaktor; RUDENSKIY, Ya., tekhnicheskiy redaktor.

[Prevention of breakdowns in steam turbines] Preduprezhdenie avarii parovykh turbin. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1953. 234 p. [Microfilm]
(Steam turbines) (MLRA 8:2)

BARANOVSKIY, M.A.

Subject : USSR/Engineering AID P - 1665

Card 1/1 Pub. 28 - 5/9

Author : Baranovskiy, M. A.

Title : Comparative computation of efficiency of steam and gas turbine installations

Periodical : Energ. byul., 2, 18-21, F 1955

Abstract : Referring to Gokhshteyn's formulae published in this journal, 1952, no.12, and 1953, no.6, and on comparative computations of efficiency of steam turbines. The author discusses and corrects certain parts of the formulae proposed by Gokhshteyn for superheated steam cycles.

Institution: None

Submitted : No date

BARANOVSKIY, M.A

Subject	: USSR/Engineering	AID P - 2878
Card 1/1	Pub. 110-a - 11/16	
Author	: Baranovskiy, M. A., Kand. Tech. Sci.	
Title	: On formulae determing the efficiency of steam and gas-turbine installations	
Periodical	: Teploenergetika, 10, 55-56, O 1955	
Abstract	: The article is a mathematical analysis developing the Rankin and Carnot laws.	
Institution	: Kiev Polytechnical Institute	
Submitted	: No date	

Baranovskiy, M.A.

USSR/Fluid Mechanics. Heat transfer

Abs Jour: R f Zhur-Mekhanika, No 6, 1957, 6835

Author : Baranovskiy, M.A.
Inst :
Title : Hydraulic losses in regenerators of gas- and steam-turbine units.

Orig Pub: Izv. Kievsk. politekhn. in-ta, 1956, 17, 98-108

Abstract: The magnitude of the variation of hydraulic losses in the transition from air to superheated steam in counter-flow closed-system regenerators with longitudinal flow in and around the pipes is investigated on the basis of the theory of models. The author's quantitative evaluations in the comparison of air and superheated steam as working substances (at a temperature of 600° and pressures of 6 and 36 atm. abs.) lead to the following basic conclusions: (1) the physical nature of the working substance plays a substantial role in the operation of closed-system regenerators; (2) hydraulic losses in

Card 1/2

USSR/Fluid Mechanics. Heat transfer

Abs Jour: Ref Zhur-Mekhanika, No 6, 1957, 6835

Abstract: superheated-steam renerators are approximately three times less than those in air regenerators (at the indicated conditions). Thermodynamic analysis of cycles is used to show that the supposition of Sadi Carnot that, in the conversion of heat energy into mechanical work, a working substance with a low heat capacity is more efficient than one with a higher heat capacity, is applicable only to simple cycles. It is maintained that, when a regenerator is used, a working substance with a higher heat capacity becomes more efficient (i.e., smaller energy losses occur in the corresponding cycle). 11 titles in bibliography.

Card 2/2

21(5) SOV/143-59-1-6/17

AUTHOR: Baranovskiy, M.A., Candidate of Technical Sciences, Docent

TITLE: Use of Superheated Water Steam in Atomic Power Plants (Primeneniye peregretogo vodyanogo para na atomnykh elektrostantsiyakh)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Energetika, 1959, Nr 1, pp 33-40 (USSR)

ABSTRACT: The USSR is building an atomic power plant with steam generation in the reactor itself. It is a two-loop plant with uranium-graphite reactor. Experiments have shown (a) that, owing to its nucleophysical properties, superheated water steam can be used in nuclear reactors as air, carbon dioxide, helium and hydrogen are; (b) that water steam is a good heat carrier; and (c) that the superheated steam generated in the reactor can be transferred direct into the turbine. The P/Q ratio of superheated steam, where P = energy required for transfer and Q = transferred heat, is lower than that of carbon dioxide or air; its caloric capacity is almost twice as high as that of carbon dioxide

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or air. Owing to its low macroscopic section of neutron capture, superheated water steam almost fails to slow down neutrons, thus making the reactor under consideration superior to water reactors, which require enriched uranium. Superheated water steam acts both as a heat carrier and as a working body. The high-grade regeneration and intermediate superheating in the upper loop and the regeneration in the lower loop bring the thermal efficiency near the ideal Carnot efficiency. The thermal efficiency of the new cycle is higher than the Rankine cycle efficiency. The cycle of superheated steam is a high-temperature cycle and can be used efficiently at initial temperatures over 600 to 650°C. The upper temperature limit of the cycles applied in atomic power plants depends on the kind of fuel and the kind of protective covering of reactor fuel elements. To permit an efficient use of the new cycle, the present temperature limit can be raised by using UO_2, Th, UC_2 or binary systems UO_2-Al_2O_3, UO_2-ZrO_2 and UO_2-ThO_2 as fuel, on the one hand, and using heat-resistant austenite steels or

ceramic materials for protective covering, on the other. The appearance of oxyhydrogen gas ($H_2 + O$) as a product of the decomposition of superheated steam by the flow of neutrons is either reversed by a recombination of ions in the primary loop or, if not, dealt with by burning the gas by means of special contact devices. All these facts prove that the use of superheated water steam and of the new thermodynamic cycle for steam turbines in atomic power plants is technically possible and has economical advantages. There are 1 table, 4 diagrams and 14 references, 11 of which are Soviet, 2 English and 1 German.

ASSOCIATION: Kiyevskiy ordena Lenina politekhnicheskiy institut (Kiyev, Order of Lenin, Polytechnical Institute)

PRESENTED: By the Kafedra parovykh i gazovykh turbin (Chair of Steam and Gas Turbines)

SUBMITTED: November 24, 1958

SOV/96-59-10-21/22

AUTHOR: Baranovskiy, M.A. (Cand.Tech.Sci.)

TITLE: The Application of Simplified Thermo-dynamic Analysis to Combined (Gas-steam) Turbo Sets

PERIODICAL: Teploenergetika, 1959, Nr 10, p 95 (USSR)

ABSTRACT: This is a brief discussion of the article by D.P. Gokhshteyn published in Teploenergetika Nr 2, 1957, and entitled 'Problems of the Thermo-dynamic Analysis of Combined Gas-steam Installations'. Objections are raised to some of Gokhshteyn's calculations and it is stated that the efficiencies claimed for combined sets are too high.
There are 3 figures and 1 Soviet reference.

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PHASE I BOOK EXPLOITATION SOV/5599

Baranovskiy, Mikhail Adamovich

Mekhanizatsiya i avtomatizatsiya shtampovochnogo proizvodstva (Mechanization and Automation of Stamping Operations) Minsk, Gosizdat BSSR, 1960. 233 p. 5,000 copies printed.

Eds.: N. Yurkshtovich and L. Vanchuk; Tech. Ed.: N. Stepanova.

PURPOSE: This book is intended as a manual for workers of machine-building enterprises and for students of schools of higher education.

COVERAGE: The book deals with the mechanization and automation of stamping operations. Strip- and band-feeding mechanisms are described and construction and design data are included for piece-blank feeding devices and for devices used in removing finished parts from the dies. Also described are the construction of multilevel automatic.progressive dies, semiautomatic dies,

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and automatic presses. Problems of the mechanization and automation of preparatory and auxiliary operations are also considered. No personalities are mentioned. There are 56 references: 55 Soviet and 1 German.

TABLE OF CONTENTS:

GETLING, Boris Vladimirovich; BARANOVSKIY, M.A., nauchnyy red.; KOPYLOV, V.P., nauchnyy red.; KOBRINSKAYA, M.V., red.; TOKER, A.M., tekhn. red.

[Reading circuits and diagrams of electrical systems] Chtenie skhem i chertezhei elektroustanovok. Moskva, Vses. uchebno-pedagog. izd-vo Proftekhizdat, 1961. 195 p. (MIRA 14:8)
(Electric circuits) (Electric networks)

BARANOVSKIY, M.A., kand.tekhn.nauk; GORANSKIY, G., red.; TRUKHANOVA, A., tekhn.red.

[Handbook for a sheet-metal worker foreman] Spravochnik mastera-shtampovshchika. Minsk, Gos.izd-vo BSSR, 1953. 247 p.
(MIRA 13:1)

(Sheet-metal work)

KLINGER, G.K., inzhener; KASPER, M.A., inzhener; BARANOVSKIY, M., redaktor; TRUKHANOVA, A., tekhnicheskiy redaktor.

[Experience introducing precision founding in the Minsk Motorcycle Factory] Opyt vnedreniia tochnogo lit'ia na Minskom motovelozavode. Minsk, Gos. izd-vo BSSR, Red. nauchno-tekhn. lit-ry, 1954. 22 p.
(Founding) (Minsk--Motorcycle industry) (MLRA 8:2)

REZNIK, K.I.; USHERENKO, M.P.; BARANOVSKIY, M., redaktor; TRUKHANOVA, A., tekhnicheskiy redaktor

[New developments in the technology of pattern making; work practices of the pattern-making shop at the Minsk Tractor Plant)] Novoe v tekhnologii izgotovleniia model'noi osnastki. (Iz opyta raboty model'-nogo tsekha Minskogo traktornogo zavoda). Minsk, Gos. izd-vo BSSR, 1954. 28 p. (MLRA 8:4)
(Patternmaking)

BARANOVSKIY, M.A.; GORANSKIY, G., redaktor; TRUKHANOVA, A., tekhnicheskiy redaktor

[Fundamentals of blacksmithing] Osnovy kyznechnogo dela. Minsk, Gos. izd-vo BSSR, Red. nauchno-tekhn. lit-ry, 1954. 217 p.
(Blacksmithing) (MLRA 8:7)

BARANOVSKIY, M., redaktor; TRUKHANOVA, A., tekhnicheskiy redaktor

[The White Russian machine builder; a collection of scientific and technical articles] Mashinostroitel' Belorusii; sbornik nauchno-tekhn. informatsii. Minsk, Gos. izd-vo BSSR, 1955. 149 p. (MIRA 9:9)
[Microfilm]

1. Vsesoyuznoye nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Belorusskoye respublikanskoye otdeleniye
(White Russia--Machinery industry)

YAKOVLEV, N.F.; BARANOVSKIY,M., redaktor; TRUKHANOVA, A., tekhnicheskiy redaktor

[Soldering in machine building] Paika v mashinostroenii. Minsk, Gos. izd-vo BSSR, 1956. 171 p. (MLRA 10:2)
(Solder and soldering)

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 6, p 88 (USSR) SOV/137-57-6-9945

AUTHORS: Baranovskiy, M.A., Lozhechnikov, Ye.B.

TITLE: Effect of Speed on the Deep Drawing Process (Vliyaniye skorosti na protsess glubokoy vytyazhki)

PERIODICAL: V sb.: Mashinostroitel' Belorussii. Nr 1 (2), Minsk, 1956, pp 43-46

ABSTRACT: An investigation is made of the effect of speed (S) upon the drawing (D) process when the forces are brought to bear by impact. The material employed is Nr-10 steel, of 0.5, 1.0, and 1.5-mm thickness. The dies used are 10 to 100 mm in diameter. Curves showing the relationship of the reduction ratio to the die diameter at various deformation S are presented. A fixture for determination of DS is described. The reduction ratio is not dependent upon the S during a single pass. In subsequent operations, if large objects are to be drawn without a hold-down, high S may also be employed. The temperature to which the item is heated in high-speed D impairs the conditions of lubrication and is inadequate to eliminate the work-hardening of items made of steel.

A.M.

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PHASE I BOOK EXPLOITATION 99

Baranovskiy, M. A.

Tekhnologiya listovoy shtampovki (Technology of Sheet Stamping) Minsk, Gos. izd-vo BSSR, 1957. 350 p. (Bibliotechka rabochego mashinostroitelya) 5,000 copies printed.

Sponsoring Agency: Belorusskoye respublikanskoye pravleniye Nauchno-tekhnicheskogo obshchestva mashinostroitel'noy promyshlennosti.

Ed.: Yurkshtovich, N.; Tech. Ed.: Trukhanova, A.

PURPOSE: The book is intended for workers and shop foremen in sheet stamping shops. Its purpose is to contribute to the further growth of skill and knowledge of personnel and to acquaint them with advanced sheet-stamping practices.

COVERAGE: The book discusses the present status of sheet-stamping technology and the progress made in this field in the USSR and other countries. The

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processes of punching, piercing, bending, drawing, and forming, as well as cold extrusion stamping and cold plastic welding involving sheet material are described. The text is illustrated with drawings, and examples are taken from experience. Design information and design formulas for dies are also given. There are 45 references, 43 of which are Soviet, and 2 are translations of foreign material.

TABLE OF CONTENTS:

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520008-2"

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AVAILABLE: Library of Congress (TS 250.B28)

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SOV/124-59-4-4249

24.4100
Translation from: Referativnyy zhurnal. Mekhanika, 1959, Nr 4, p 127 (USSR)

AUTHORS: Baranovskiy, M.A. and Yurkshtovich, N.A.

TITLE: The Physico-chemical Theory of Plasticity (Based on the Materials of the Academician AS BSSR S.I. Gubkin)

PERIODICAL: Sb. nauchn. tr. Belorussk. politekhn. in-ta, 1957, Nr 66, pp 117-136

ABSTRACT: A summary of the work of S.I. Gubkin and his collaborators is given (Belorussk. politekhn. in-t, Fiziko-tekhn. in-t AS BSSR). The physico-chemical theory of the plasticity of solids analyzes the regularities in the latter's plastic deformations in connection with their chemical composition and structure. The study was carried out in three directions: 1) Investigation of the deformability of metals and elaboration of the theory of deformability. 2) Development of new methods for the study of the plastic behavior of metals. 3) Investigations in the region of the intensification of existing technological processes of treating metal under pressure and development of new processes. Bibl. 22 titles.
N.I. Malinin

Card 1/1

BARANOVSKIY, M.A., kand.tekhn.nauk; BULAKH, V.N., kand.tekhn.nauk

Selecting lubricants for reverse cold extrusion of steel. Mash. Bel. no.6:52-55 '59. (MIRA 13:6)
(Extrusion (Metals)) (Metalworking lubricants)

BARANOVSKIY, M.A., kand.tekhn.nauk; IONOV, V.G., inzh.

Investigating the process of flanging low-carbon steels. Mash. Bel. no.6:56-62 '59. (MIRA 13:6)
(Metalwork)

BARANOVSKIY, N.A.

Presentation and use of technical specifications. Standartizatsiia 25 no.10:43 O '61. (MIRA 14:9)
(Technical drawing)

BARANOVSKIY, M.A.

Specification of mechanical drawings. Standartizatsiia 25 no.12:54-55 D '61. (MIRA 14:11)
(Mechanical drawing--Standards)

BARANOVSKIY, Mikhail Adamovich, kand. tekhn. nauk; PAVLIK, Aleksandr Markovich, inzh.; CHERNYAKOVA, I.Z., red.; VASIL'YEV, Yu.A., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Cold extrusion of steel parts]Kholodnoe vydavlivanie stal'nykh detalei. Leningrad, 1962. 20 p. (Leningradskiy dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Goriachaia i kholodnaia obrabotka metallov davleniem, no.4) (MIRA 15:9)

(Extrusion (Metals))

IRTYAKOV, Nikolay Grigor'yevich; BARANOVSKIY, M.A., kand. tekhn. nauk, red.; KASHTANOV, F., red.; BELEN'KAYA, I., tekhn. red.

[New equipment and progressive technology in foundry practice] Novaia tekhnika i progressivnaia tekhnologiia v liteinom proizvodstve. Pod red. M.A.Baranovskogo. Minsk, Gos.izd-vo BSSR. Red. proizvodstvennoi lit-ry, 1962. 79 p. (MIRA 15:10)

(Founding)

BARANOVSKIY, M.A.

Introduction of the State Standard 3450-60. Standartizatsiia 26 no.1:63 Ja '62. (MIRA 15:1)
(Mechanical drawing--Standards)

BARANOVSKIY, Mikhail Adamovich; VERBITSKIY, Yevgeniy Ivanovich; INTYAKOVA, N.G., kand. tekhn. nauk, red.; GURIN, N., red.; VARENIKOVA, V., tekhn. red.

[Drop-forging of liquid metals] Shtampovka zhidkikh metallov. Minsk, Gosizdat BSSR, 1963. 73 p. (MIRA 16:5)
(Die casting) (Forging)

G

SUCHKOV, Andrey Yevdokimovich; BARANOVSKIY, M.A., kand. tekhn. nauk, red.; KASHTANOV, F., ved. red.; BOLDYREVA, N., tekhn. red.

[Conserve and economize on the use of metal] Berech' i ekonomit' metall. Minsk, Gosizdat BSSR, 1963. 47 p. (MIRA 16:12)

1. Glavnyy spetsialist Gosplana BSSR (for Suchkov).
(Metalwork) (Metals, Substitutes for)

[illegible], Nikolay Feofilovich; BALANOVSKIY, N.A., kand. tekhn. nauk, dots., nauchn. red.; AKALOVICH, N.M., red.

[Machine parts] Detali mashin. Minsk, Vysshaia shkola, 1964. 459 p. (MIRA 17:9)

BARANOVSKIY, M.A., dotsent, kand.tekhn.nauk; YURKEVICH, N.A., dotsent, kand.tekhn.nauk

Physicochemical theory of plasticity based on Professor S.I.Gubkin's materials. Sbor.nauch.trud.Bel.politekh.inst. no.66:117-136 '57. (MIRA 16:9)

BABULIN, Nikolay Alekseyevich; BARANOVSKIY, M.A., nauchn. red.; KONCHA, F.F., red.; IONOV, V.N., red.

[Construction and interpretation of working drawings for the manufacture of machinery] Postroenie i chtenie mashinostroitel'nykh rabochikh chertezhei. Izd.2., perer. i dop. Moskva, Vysshaia shkola, 1964. 275 p. (MIRA 18:1)

MATVEYEV, Arkadiy Arkad'yevich; MORKOV, Dmitriy Mikhaylovich; BARANOVSKIY, M.A., nauchn. red.; GIBSHMAN, N.I., nauchn. red.; KOBRINSKAYA, M.V., red.

[Mechanical drawing] Cherchenie. 4. perer. i dop. izd. Moskva, Vysshaia shkola, 1964. 311 p. (MIRA 18:2)

BEDRINTSEV, K.N., kand.ekonom.nauk; KORZHENEVSKIY, N.L., doktor geograf. nauk; KOROVIN, Ye.P., doktor biolog.nauk; SHUVALOV, S.A., kand. geologo-mineral.nauk; YAKHONTOV, V.V., prof.; BELUZHEV, A.G.; GERKUZEN, S.Kh.; PAL'MIN,B.A.; KLEYNENBERG, G.Ye.; BARANOVSKIY, M.D.; DOROSHEV, N.T., mladshiy nauchnyy sotrudnik; SCHASTNEV, N.V.; TSAPENKO, N.G.; BABAKHODZHAYEV, A.Kh., red.; SUKHANOV, P.P., tekhn.red. (MIRA 13:7)

[Uzbekistan; economic-geographical features] Uzbekistan; ekonomiko-geograficheskaia kharakteristika. Tashkent, 1950. 302 p.

1. Akademiya nauk Uzbekskoy SSR, Tashkent. Institut ekonomiki. 2. Chlen-korrespondent AN Uzbekskoy SSR (for Korzhenevskiy). 3. Deystvitel'nyy chlen AN Uzbekskoy SSR (for Korovin). 4. Institut ekonomiki AN Uzbekskoy SSR (for Doroshev).

(Uzbekistan--Economic conditions)

BARANOVSKIY, M.I.

We are preparing locomotive engineers. Elek. i tepl.tiaga 2 no.12:32 D '58. (MIRA 12:1)

1. Inspektor po tekhnicheskomu obucheniyu depo Nizhnedneprovsk Uzel, Stalinskaya doroga.
(Nizhnedneprovsk--Locomotive engineers)

BARANOVSKIY, M.I., inzh.

Instructive lessons. Elek. i tepl. tiaga 3 no.4:24 Ap '59.
(MIRA 12:7)
(Electric locomotives)

BARANOVSKIY, M.I.

Using electric bits for drilling oil and gas wells in the Ukraine. Burenie no.9:5-8 '65. (MIRA 18:10)

1. UkrNIIgiproneft'.

BARANOVSKIY, M.I.

Development and efficiency of oil and gas prospecting in the Ukrainian S.S.R. in the period 1945-1963. Geol. nefti i gaza 9 no.6:4-8 Je '65. (MIRA 18:8)

1. Ukr-NIIgiproneft'.

BARANOVSKIY, M.I.

Efficiency of drilling wells of various diameters in the Ukrainian S.S.R. Burenie no.5:18-20 '64. (MIRA 18:5)

1. UkrNIIgiproneft'.

BARANOVSKIY, M. I.

30334
S/081/61/000/024/064/086
B102/B108

11C130

AUTHORS: Shlyar, V. T., Lebedev, Ye. V., Lisogun, A. P., [illegible], A. S., Perekrest, A. N., Lebedeva, L. P., Baranovskiy, M. I.

TITLE: Some ways of a more rational reprocessing of paraffin petroleums of Western Ukraine

SOURCE: [illegible]

TEXT: Results are presented of a study of a possibility of deeper and most rational exploitation of the petroleums of Dolinskoye and Bitkovskoye deposits which are characterized by a high content of light oils (Dolinskoye: 54.4%, Bitkovskoye: 43.1%), high paraffin content (16 and 17% respectively), and low content of sulfur (0.35 - 0.55%). Thorough investigations of the Dolinskiye petroleums showed that in the deparaffinization of diesel fuel fraction by selective solvents at low temperatures, low-melting paraffin hydrocarbons can be separated which

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[illegible] a valuable raw material for the petrochemical industry. The quantity separated is 17 - 20% per fraction or [illegible].5 - 4.1% per petroleum. Deparaffinization of the fractions corresponds to the demands of the [illegible] (GOST) for Diesel summer fuel and [illegible] fuel. At low temperatures solid paraffin hydrocarbons were separated in quantities of 2[illegible]% per fraction or 8% per petroleum by means of selective solvents from the distilled fraction of medium paraffin petroleum. From the deparaffinized part petroleum components of high viscosity can be obtained. From the distilled fraction of heavy paraffin petroleum solid hydrocarbons (35% per fraction), as well as diesel and tractor oils with a viscosity index of [illegible] can be obtained. High-quality residual oils ([illegible]2.6% per petroleum) and ceresins ([illegible]0.7% per petroleum), as well as improved-quality bitumens can be obtained from the petroleum asphalts. A possibility of obtaining gas-turbine fuel, plasticizers for rubber and low-sulfur coke is shown. [Abstracter's note: Complete translation.]

Card 2/2

STASIV, N.Yu.; BARANOVSKIY, M.I.; GLAMAZDA, A.P.; SMIRNOV, N.P.; B
BUGROV, V.A.; KHRAMOV, A.A., kand.ekon.nauk, otv.red.; LORYAKIN, V.M., red.
[Development of the oil and gas industry of the Ukrainian S.S.R. and the efficiency of capital investments] Razvitie neftianoi i gazovoi promyshlennosti URSR i effektivnost' kapital'nykh vlozhenii. Kiev, Naukova dumka, 1964. 210 p.
(MIRA 17:8)
1. Akademiya nauk URSR, Kiev. Institut ekonomiky.

BARANOVSKIY, M.I.; STASIV, N.Yu., kand. ekonom. nauk

Improving the organization of well construction in drilling enterprises in the Ukraine. Neft. i gaz. prom. no.1:27-29 Ja-Mr '64. (MIRA 18:2)

BARANOVSKIY, M.K. [Baranovs'kyi, M.K.]

Maintain collective farm machinery in an efficient manner.
Mekh. sil'. hosp. 9 no.10:3 of cover O '58. (MIRA 11:10)

1. Glavnyy inzh. Zhitomirskoy remontno-traktornoy stantsii.
(Agricultural machinery--Maintenance and repair)

BARANOVSKIY, M.K. [Baranovs'kyi, M.K.];

Conveying milk on dairy farms with the help of vaccum tanks.
Mekh.sil'.hosp. 11 no.1:28-29 Ja '60. (MIRA 13:4)

1. Glavnyy inzhener Zhitomirskoy remontno-traktornoy stantsii.
(Dairying--Equipment and supplies)

BARANOVSKIY, M.K. [Baranovs'kyi, M.K.]

Maintenance of agricultural machinery and tractors. Mekh. sil'. hosp. 11 no.7:11-12 Jl '60. (MIRA 13:10)

1. Glavnyy inzhener Zhitomirskoy remontno-tekhnicheskoy stantsii.
(Agricultural machinery--Maintenance and repair)
(Tractors--Maintenance and repair)

BARANOVSKIY, Nikolay Fedorovich; SUKHAREV, Mikhail Fedorovich; BORODULINA, K.M., vedushchiy red.; MUKHINA, E.A., tekhn.red.

[Ozocerite; extraction, processing, and use] Ozokerit; dobycha, pererabotka i primenenie. Moskva, Gos. nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1959. 205 p. (MIRA 12:1)
(Ozocerite)

KUZNETSOV, Vladimir Ivanovich; LIPATOV, N.N., kand. tekhn. nauk, retsenzent; BARANOVSKIY, N.N., kand. tekhn. nauk, retsenzent; IVANOVA, N.M., red.; SOKOLOVA, I.A., tekhn. red.

[Bottle-washing and bottling machines for milk; adjustment, regulation and operation]Butylomoechnye i razlivochno-ukuporochnye mashiny dlia moloka; naladka, regulirovanie i ekspluatatsiia. Moskva, Pishchepromizdat, 1962. 166 p. (MIRA 15:8)

(Milk plants--Equipment and supplies)
(Bottling machinery) (Bottle washing)

PERTSIK, Yevgeniy Naumovich; BARANOVSKIY, N.N., red.

[K.I.Arsenev and his work on the districting of Russia]
K.I.Arsenev i ego raboty po raionirovaniiu Rossii. Moskva,
Gos.izd-vo geogr.lit-ry, 1960. 118 p. (MIRA 14:7)
(Arsenev, Konstantin Ivanovich, 1789-1865)

CA

An apparatus for emulsification of milk fat. N. Barsanovskii (All Union Inst. Milk Ind., Moscow). *Molochnaya Prom.* 10, No. 8, 11–13 (1949). An electrically driven, cylindrical disperser is described. G. M. K.

1. N. V. BARANOVSKIY

2. USSR (600)

4. Reviewed by N. Lipatov

7. Shortcomingsof a good book ("Pumps for milk and liquid milk products.") Moloch. prom. 14 no. 2. 1953.

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

BARANOVSKIY, N. V.

4578. BARANOVSKIY, N. V. okhladiteli dlya molloka i slivok. m., pishchepromizdat, 1954. 79 s. s ill. 22 sm. (UCHEB. POSOBIYE DLYA PODGOTOUKI KADROV MASSOVYKH PROFESSIY). 6.000 ekz. 1 r. 20 k. -/55-171/p

664.971.331

SO: Knizhnaya Letopis', Vol. 1, 1956

BARANOVSKIY, N. V.

BARANOVSKIY, N. V.: "The effect of hydraulic factors on the degree of fat dispersion in the homogenization of milk". Moscow, 1955. Min Higher Education, Moscow Technological Inst of the Meat and Dairy Industry. (Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis', No. 40, 1 Oct 55

SURKOV, Viktor Danilovich, prof.; LIPATOV, Nikolay Nikitcvich, dotsent; VASIL'YEV, P.V., inzh., retsenzent; BARANOVSKIY, N.V., kand. tekhn.red., retsenzent, spetsred.; IVANOVA, N.M., red.; GOTLIB, E.M., tekhn.red.

[Equipment of dairy plants] Oborudovanie molochnykh zavodov. Moskva, Pishchepromizdat, 1958. 437 p. (MIRA 13:1)
(Dairy plants--Equipment and supplies)

LUK'YANOV, N.Ya.; BARANOVSKIY, N.V.

[Dairy plant equipment] Oborudovanie predpriiatii molochnoi promyshlennosti. Moskva, Pishchepromizdat, 1958. 465 p.
(MIRA 12:12)

(Dairy plants--Equipment and supplies)

BARANOVSKIY, N.V.; MURASHEVA, O.I., red.; GOTLIB, E.M., tekhn. red.

[Pumps for milk and liquid milk products] Nasosy dlia moloka i zhidkikh molochnykh produktov. Izd.2., perer. i dop. Moskva, Pishchepromizdat, 1959. 56 p. (MIRA 14:7)
(Milk plants—Equipment and supplies)
(Pumping machinery)

BARANOVSKIY, Nikolay Vasil'yevich, kand.tekhn.nauk; NOZDRINA, V.A., red.; TARASOVA, N.M., tekhn.red.

[Pasteurizers for milk and cream; a manual for use in training a specialized personnel] Pasterizatory dlia moloka i slivok. Izd.2., perer. Moskva, Pishchepromizdat, 1959. 95 p. (MIRA 13:2)

(Pasteurizers)

BARANOVSKIY, Nikolay Vasil'yevich, kand.tekhn.nauk; NOZDRINA, V.A., red.; SOKOLOVA, I.A., tekhn.red.

[Milk and cream coolers] Okhladiteli dlia moloka i slivok. Izd.2, perer. Moskva, Pishchepromizdat, 1960. 69 p. (MIRA 13:9)
(Milk--Cooling) (Refrigeration and refrigerating machinery)

GERNET, M.M., doktor tekhn.nauk,prof.; DIKIS, M.Ya., doktor tekhn.nauk, prof.; LUK'YANOV, V.V., doktor tekhn.nauk,prof.[deceased]: POPOV, V.I., doktor tekhn.nauk,prof.; SOKOLOV, A.Ya.,doktor tekhn.nauk,prof.: SOKOLOV,V.I.,doktor tekhn.nauk,prof.; SURKOV,V.D.,doktor tekh.nauk,prof.; BARANOVSKIY, N.V., kand.tekhn.nauk,dots.; BROYDO, B.Ye., kand.tekhn. nauk, dots.; BUZYKIN, N.A., kand.tekhn.nauk, dots.; GOROSHENKO, M.K., kand.tekhn.nauk, dots.; GORTINSKIY, V.V., kand.tekhn.nauk, dots.; GREBENYUK, S.M., kand.tekhn.nauk, dots.; GUS'KOV, K.P., kand.tekhn. nauk, dots.; DEMIDOV, A.R., kand.tekhn.nauk, dots.; ZHISLIN, Ya.M., kand.tekhn.nauk, dots.; KARPIN, Ye.B., kand.tekhn.nauk, dots.; KOSITSYN, I.A., kand. tekhn.nauk, dots. [deceased]; GEYSHTOR, V.S., kand.tekhn.nauk, dots.; MARSHALKIN, G.A., kand.tekhn.nauk, dots.; MOLDAVSKIY, G.Ye., kand.tekhn.nauk, dots.; ODESSKIY, D.A., kand. tekhn.nauk, dots.; PELEYEV, A.I., kand.tekhn.nauk, dots.; RUB, D.M., kand.tekhn.nauk, dots.; SKOBLO, D.I., kand.tekhn.nauk, dots.; SHUVALOV, V.N., kand.tekhn.nauk, dots.; KHMEL'NITSKAYA, A.Z., red.; SOKOLOVA, I.A., tekhn. red.

[Principles of the design and construction of machinery and apparatus for the food industries] Osnovy rascheta i konstruirovaniia mashin i apparatov pishchevykh proizvodstv. Moskva, Pishchepromizdat, 1960. 741 p. (MIRA 14:12)

(Food industry--Equipment and supplies)

BARANOVSKIY, Nikolay Vasil'yevich; LIPATOV, N.N., kand. tekhn. nauk, retsenzent; KUBAREV, V.I., inzh., red.; TAIROVA, A.L., red. izd-va; YEVSTAF'YEVA, N.P., red. izd-va; EL'KIND, V.D., tekhn. red.

[Plate heat exchangers in the food industry]Plastinchatye teploobmenniki pishchevoi promyshlennosti. Moskva, Mashgiz, 1962. 326 p. (MIRA 15:8)
(Food industry--Equipment and supplies)
(Heat exchangers)

SURKOV, Viktor Danilovich, prof.; LIPATOV, Nikolay Nikitovich, dots.; BARANOVSKIY, Nikolay Vasil'yevich, kand. tekhn. nauk; Prinimal uchastiye SELIVANOV, N.I., dots., kand. tekhn. nauk; IVANOVA, N.M., red.; SOKOLOVA, I.A., tekhn. red.

[Technological equipment of dairy enterprises]Tekhnologicheskoe oborudovanie predpriiatii molochnoi promyshlennosti. Moskva, Pishchepromizdat, 1962. 576 p. (MIRA 15:8)
(Dairying--Equipment and supplies)

LIPATOV, Nikolay Nikitovich, kand. tekhn. nauk, dots.; KUK, G.A., zasl. deyatel' nauki i tekhniki, prof., retsenzent; BARANOVSKIY, N.V., kand.tekhn. nauk, retsenzent; IVANOVA, N.M., red.; KISINA, Ye.I., tekhn. red.

[Graphic methods of analyzing the degree of dispersion of milk fat]Graficheskie metody kharakteristiki dispersnosti zhira moloka. Moskva, Pishchepromizdat, 1962. 39 p. (MIRA 16:3)
(Butterfat--Analysis and examination)

LYUBOSHITS, Moisey Il'ich; ITSKOVICH, Georgiy Mikhaylovich; TATUR, G.K., doktor tekhn.nauk, retsenzent; BARANOVSKIY, N.V., kand. tekhn. nauk, nauchn. red.; LEVINA, S.G., red.

[Manual on the strength of materials] Spravochnik po soprotivleniiu materialov. Minsk, Vysshaia shkola, 1965. 343 p. (MIRA 18:5)

ITSKOVICH, Georgiy Mikhaylovich; VINOKUROV, Anatoliy Ivanovich; BARANOVSKIY, Nikolay Vasil'yevich; SHAURAK, Ye.N., red.

[Collection of problems on the strength of materials] Sbornik zadach po soprotivleniiu materialov. Leningrad, Sudostroenie, 1965. 284 p. (MIRA 18:7)

KOVALEV, Yu.N.; BARANOVSKIY, N.V., kand. tekhn. nauk

Studving the heat transmission of plate-type exchangers. Trakt. i sel'khozmash. no.7:39-41 Jl '65. (MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva, Moskva (for Kovalev). 2. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti (for Baranovskiy).

BARANOVSKIY, P.

Determining ingot readiness for rolling. Metallurg 9 no.5: 31-32 My '64. (MIRA 17:8)

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11-D

Biochemical processes in sprouting of soybean seeds. P. M. Baranovskii. *Izvest. Akad. Nauk Kazakh. S.S.R., Ser. Fiziol. i Biokhim. Rastenii*, No. 2 (Whole No. 39), 44-52 (1947).—The seeds commence sprouting at 6° at 40-60% relative soil humidity. At 12° the process is more vigorous, but higher humidity retards growth. Accumulation of mobile carbohydrates is directly proportional to the activity of invertase and is the main factor detg. the rate of growth. The pH of the seeds changes from 6.8 to 5.4 during sprouting. Amylase, lipase, and protease, as well as catalase activities vary with growth. The highest activities are found during sprouting at 12° at 40-60% relative soil humidity.

G. M. Kosolapoff

BARANOVSKIY, P.G.

130-9-3/21

AUTHORS: Baranovskiy, P.G., and Kargin, A.A.

TITLE: Controlling Blast-Furnace Operation from the Difference in Static Pressures. (Kontrol' khoda domennykh pechey po raznosti staticheskikh davleniy).

PERIODICAL: Metallurg, 1957, Nr 9, pp.5-7 (USSR).

ABSTRACT: Determinations of the static pressures of the hot blast, part of the way up the stack, and in the throat give a useful indication of the state of the furnace, and such measurements are carried out at several Soviet works. In the present article the recording arrangements adopted at the Kuznetsk metallurgical combine is described and typical traces shown. The arrangement has functioned without interruption for over a year under the difficult conditions of stack pressure measurement: it is provided with a time-relay operated air blast for clearing the tube. The reliability of the records has enabled them to be used for controlling furnace operation. There are 2 figures.

ASSOCIATION: Kuznetsk Metallurgical Combine (Kuznetskiy Metallurgicheskiy Kombinat)

AVAILABLE: Library of Congress.

Card 1/1

Baranovskiy

130-1-6/17

AUTHOR: Baranovskiy, P.G.

TITLE: Thermal Conditions in Cowper Stoves (Teplovoy rezhim vozdukhonagrevateley)

PERIODICAL: Metallurg, 1958, No.1, pp. 11-12 (USSR)

ABSTRACT: The author maintains that sufficient measurements of thermal conditions in blast-furnace Cowper stoces are seldom made, in spite of the demands made on the stoves by modern practice. He discusses work at the Kuznetsk Metallurgical Combine in which special thermocouples were installed in the stove at various levels of the checkerwork. It was found with their aid that the thermal condition of a stove is indicated by the flue-gas and stove-dome temperatures. Based on a knowledge of these temperatures, decisions on stove operation can be made - the author suggests. He shows how the heating of the stoves can be balanced by securing equality of the maximal flue-gas temperatures, increasing, if necessary, the gas flow to the stove whose roof temperature decreases faster when on air. On the question of duration of the periods, the author concludes that 1 hour on air and 2 hours on gas gives, compared with the longer periods commonly used, higher mean temperatures at each level, improved efficiency, increased heating power

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