

~~KLIMENKO, K.I.~~

~~ERRI, L.Ya.; KLIMENKO, K.I.; KARPUKHIN, D., redaktor; PIOTROVICH, M.,
tekhnicheskij redaktor~~

[Mechanisation of production in heavy industry in the U.S.S.R.]
Mekhanisatsiia proizvodstva v tiasheloi promyshlennosti SSSR.
Moskva, Gos. izd-vo polit. lit-ry, 1954. 227 p. (MLRA 8:3)
(Machinery in industry)

KLIJENKO, K; [REDACTED].

Automatization of production processes and professional qualifications
of workers. Tr. from the Russian. p. 13

The Zis Halle Institute for Welding Technique in the German Democratic
Republic. p. 19.

The Scientific Society of the Machine Industry for propagation of modern
welding technique in Hungary. p. 19.

MUSZAKI ELET. Budapest Vol. 9, No. 12, Dec. 1954

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 6, June 1956

**SYRKIN-SHLOVSKIY, L.Ye.; KLIMENKO, K.I., doktor ekonomicheskikh nauk,
redaktor; KROPOV, B.I., redaktor izdatel'stva; SHEREL'KOV, A.T.,
tekhnicheskii redaktor**

**[Classification of production reserves (losses) in machine building
plants] Klassifikatsiia proizvodstvennykh rezervov (poter') mashino-
stroitel'nogo zavoda. Pod red. K.I.Klimenko. Tashkent, Izd-vo Aka-
demii nauk UzSSR, 1955. 83 p. (MLRA 9:10)
(Machinery industry)**

KONSON, Aron Solomonovich; KLIMENKO, K.I., doktor ekonomicheskikh nauk, retsentsent; PANKEVICH, M.G., inzhener, retsentsent; VELIKANOV, K.M. dotsent, kandidat ekonomicheskikh nauk, redaktor; NIKITIN, P.S. inzhener, redaktor; LBYKINA, T.L., redaktor; SOKOLOVA, L.V., tekhnicheskii redaktor

[Economic analysis in designing machinery] Ekonomicheskii analiz pri proektirovanii mashin. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1955. 277 p. (MLRA 8:10)
(Machinery--Design)

KLIMENKO, K.I., doktor ekonomicheskikh nauk

Technological advances and the productivity of labor. Vest.AN SSSR
25 no.9:3-9 8 '55. (MIRA 8:12)
(Technology) (Labor productivity)

Review - K.I.
USSR/Engineering - Automation

Card 1/1 Pub. 128 - 25/31

Authors : Kishenko, K. I., Dr. Econ. Sc., and Katsenelinboigen, A. I., Engineer

Title : Increase in workmen qualifications through automatization of industrial processes

Periodical : Vest. mash. 35/5, 77-79, May 1955

Abstract : Practical examples are given on how the introduction of automatization has increased the productivity of labor. The fact that automatization of industry requires fewer qualified workers is being denied. The five basic requirements of workers capable of operating automatic machines are listed.

Institution :

Submitted :

KATSEHLINBOYQEN, A.I.; KLDENKO, K.I., doktor ekonomicheskikh nauk, redaktor; **TAURIT, G.M.,** inzhener, retsenzent; **SONIN, M.Ya.,** kandidat ekonomicheskikh nauk, redaktor; **MATVEYVA, Ye.M.,** tekhnicheskii redaktor; **TIKHONOV, A.Ya.,** tekhnicheskii redaktor

[Automatization of production processes and problems in work organization; changes in the division of labor and the qualifications of workers under conditions of the automatization of metalworking processes] Avtomatizatsiya proizvodstvennykh protsessov i voprosy organizatsii truda; izmeneniia v razdelenii truda i kvalifikatsii rabochikh pri avtomatizatsii protsessov metalloobrabotki. Pod red. Klimenko. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry 1956. 141 p. (MLA 9:12)

(Automatic control) (Machinery industry)

GORNOSTAY-POL'SKIY, Aron Moiseyevich; KLIMENKO, K.I., doktor ekonomicheskikh nauk, reitsent; ZHEROV, A.M., reitsent; ITIN, L.I., kandidat ekonomicheskikh nauk, nauchnyy redaktor; PLBYANNIKOV, M.N., redaktor; MEDVEDEV, L.Ya., tekhnicheskiiy redaktor

[Labor productivity in the leather and shoe industry] Proizvoditel'-nost' truda v koshevenno-obuvnoi promyshlennosti. Moskva, Gos. nauchno-tekhn. izd-vo Ministerstva legkoi promyshl. SSSR, 1956. 183 p.
(Shoe industry) (Leather industry) (MLRA 10:1)

SYRKIN-SHKLOVSKIY, L.Ye.; KLIMENKO, K.I., doktor ekonomicheskikh nauk,
redakter; **BREZTSKIY, D.G.** redakter, **SHVCHENKO, G.N.,** tekhnicheskii
redakter.

[Methods of analysing production resources of machine building
plants] Metodika analiza proizvodstvennykh rezervov mashinostroi-
tel'nogo zavoda. Moskva, Izd-vo Akademii nauk SSSR, 1956. 397 p.
(Efficiency, Industrial) (MLRA 9:5)

KLIMENKO, K. I. (Dr. Econ. Sci.)

"Working out Methods of Evaluation of Technicoeconomic Indices of Effectiveness of Automation,"

paper read at the Session of the Acad. Sci. USSR, on Scientific Problems of Automatic Production, 15-20 October 1956.

Avtomatika i telemekhanika, No. 2, p. 182-192, 1957.

9015229

SOV/112-57-5-10855

Translation from: Referativnyy zhurnal. Elektrotehnika, 1957, Nr 5, p 182 (USSR)

AUTHOR: Klimenko, K., Rakovskiy, M.

TITLE: Engineering and Economic Problems of Production Automation in the USSR
(Tekhniko-ekonomicheskiye problemy avtomatizatsii proizvodstva v SSSR)

PERIODICAL: Kommunist, 1956, Nr 16, pp 49-62

ABSTRACT: Bibliographic entry.

Card 1/1

KLIMENKO, K.I.

SKRIBRYAKOV, V.A., kand.ekon.nauk; KLIMENKO, K.I., doktor ekonom.nauk,
nauchnyy red.; KHOTIMYV, A.A., red.isdatel'stva; GUBIN, M.I., tekhn.
red.

[Ways of saving metal in the Soviet machinery industry] Puti
ekonomii metalla v mashinostroenii SSSR. Moskva, Izd-vo "Znanie,"
1957. 46 p. (Vsesoiuznoe obshchestvo po rasprostraneniю politi-
cheskikh i nauchnykh znaniy. Ser.3, no.26) (MIRA 10:12)
(Machinery industry)

ALPHABETIC
ARAKELYAN, Artashes Arkad'yevich; KLIMENKO, Konstantin Ivanovich; GUDKOVA, N.,
redakter; YEGOROVA, I., tekhnicheskii redaktor.

[Technical progress in Soviet industry] Tekhnicheskii progress v
promyshlennosti SSSR. [Moskva] Mosk.rabochii, 1957. 87 p.

(MLRA 10:4)

(Efficiency, Industrial) (Technology)

KLIMENKO, K.I.

PHASE I BOOK EXPLOITATION 389

Šatel', Eduard Adamovich

Osnovy organizatsii i planirovaniya mashinostroitel'nykh predpriyatiy SSSR (Principles of Organization and Planning of Machine-building Enterprises in the USSR) Moscow, Mashgiz, 1957, 155 p. 12,000 copies printed.

Ed.: Sochinskiy, A.R., Engineer; Ed. of Publishing House: Barykova, G.I.; Tech. Ed.: Uvarova, A.F.; Managing Ed. for Literature on the Economics and Organization of Machine Building (Mashgiz): Saksaganskiy, T.D.

PURPOSE: This book is intended as a text-book for students of industrial engineering institutes and industrial engineering departments of technical vuzes and is authorized as such by the Ministry of Higher Education. It is also considered useful to engineering and technical personnel in machine-building enterprises.

Card 1/4

Principles of Organization and Planning of Machine (Cont.) 389

COVERAGE: The book describes features, objectives, tasks, and principal stages in the development of the organization and planning of socialist machine-building enterprises. Problems in the organization of production processes and structure of enterprises as well as their administration are discussed. A separate chapter is devoted to characteristic features of basic types of production. The theoretical presentation in the book is illustrated with examples from Soviet experience. Chapter VI, p. 153-155, contains some specific data on the make-up of some Soviet automated production lines. For example, it is mentioned that the Moscow Automobile Plant im. Likhachev employs an automatic production line which consists of four vertical, four horizontal, and six inclined drilling and boring and thread-cutting machine tools. This line is powered by twenty electric motors with a total capacity of 85 kw, and is employed in machining cylinder blocks for the ZIL-150 motor. All equipment is served by three workers in place of the fifty-six employed prior to

Card 2/4

Principles of Organization and Planning of Machine (Cont.) 389

automation. In another example, the automation equipment at the Moscow Bearing Plant is reported to consist of a line which includes eighty-four units, of which sixty-nine are machine tools. This automated line machines bearing races, coats the races with anticorrosive substances, assembles, and packs both roller and ball bearings. Chapters I to V were written by Professor E.A. Satel' and reviewed by Doctor of Economic Sciences K.I. Klimenko; chapter VI was written by Candidate of Technical Sciences N.A. Radushinskiy and reviewed by Engineer S.A. Dumler. All chapters were read by the Department of Organization and Production Economics of the Moscow Auto-mechanic Institute. There are no references.

Card 3/4

Principles of Organization and Planning of Machine (Cont.) 389

**TABLE OF
CONTENTS:**

Introduction	3
Ch. I. Special Features and Objectives in the Organization and Planning of Socialist Machine-building Enterprises	14
Ch. II. Principal Stages in the Development of the Organization and Planning of Socialist Machine-building Enterprises	33
Ch. III. Production Process in Machine-building Plants	59
Ch. IV. Production Structure of Machine-building Enterprises	81
Ch. V. Management of Socialist Machine-building Enterprises	101
Ch. VI. Basic Types of Production	120

AVAILABLE: Library of Congress
Card 4/4

VK/jmr

ALIMENKO, A.

~~ALIMENKO, A.~~

Automation of production and its economic efficiency. Vop.ekon.
no.2:11-22 F '57. (MIRA 10:5)

(Automation)

K. KLIMENKO, K.

KLIMENKO, K., doktor ekonom.nauk (Moskva); GUBENKO, V. (Moskva);
KATSENELINBOYGEN, A., mladshiy nauchnyy sotrudnik (Moskva);
LUKASHINA, Ye. (Moskva); POLIS, L. (Moskva).

Calculating cost with automation. Bukhg.uchet 14 no.11:39-43
N 157. (MIRA 10:11)

1. Glavnyy bukhgalter zavoda imeni Ukhtomskogo (for Gubenko).
2. Institut ekonomiki AN SSSR (for Katsenelinboegen). 3. Starshiy bukhgalter kusnechno-pressovogo tsekha zavoda imeni Ukhtomskogo (for Lukashina). 4. Starshiy ekonomist kusnechno-pressovogo tsekha zavoda imeni Ukhtomskogo (for Polis).
(Automation) (Agricultural machinery industry--Costs)

KLIMENKO, K.

Development of Soviet machinery manufacturing. Vop. ekon. no. 3:92-
105 Nr '58. (MIRA 11:4)

(Machinery Industry)

~~KLIMENKO, Konstantin Ivanovich; KATSEHELIMBOGEN, Aron Iosifovich;~~
~~ANDREJEVA, R., red.; TELBOINA, T., tekhn.red.~~

[Calculating production costs where automation is in effect]
Kal'kulirovanie sebestoimosti produktii pri avtomatizatsii
proizvodstva. Moskva, Gosfinisdat, 1959. 85 p. (MIRA 12:9)
(Costs, Industrial) (Automation)

VASIL'YEV, Aleksandr Aleksandrovich; KLIMENKO, K.I., doktor ekonom.nauk, retsenzent; NOVIKOV, M.A., inzh., retsenzent; PETROCHENKO, P.P., kand.ekonom.nauk, red.; SEMENOVA, M.M., red.isd-vs; SMIRNOVA, G.V., tekhn.red.; UVAROVA, A.F., tekhn.red.

[Training skilled workers in machinery plants] Podgotovka kvalifitsirovannykh rabochikh na mashinostroitel'nykh predpriyatiiakh. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit. lit-ry, 1959. 175 p. (MIRA 13:2)
(Professional education)

KHACHATUROV, T.S., *otv. red.*; BAKULEV, G.D., *prof.*, doktor ekonom.nauk, *red.*; KLIMENKO, K.I., doktor ekonom.nauk, *red.*; MITROPANOV, A.I., *kand.ekonom.nauk, red.*; PUCHKOV, S.O., *red.* [deceased]; BUDARINA, V., *red.*; MOSKVIINA, R., *tekh.n.red.*

[Economic effectiveness of capital investments and new technology]
Ekonomicheskaya effektivnost' kapital'nykh vlozhenii i novej
tekhniki. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1959. 614 p.
(MIRA 13:4)

1. Akademiya nauk SSSR. Institut ekonomiki. 2. Chlen-korrespondent
AN SSSR (for Khachaturov).
(Capital investments) (Technology)

SOV/10-59-5-19/25

AUTHOR: Vinogradov, N.V., ~~Klimenko, K.I.~~ and Komar, I.V.

TITLE: Books on the Distribution of Industrial Branches

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1959, Nr 5, pp 121-126 (USSR)

ABSTRACT: The following new books are reviewed in this article: R.S. Lifshits, "The Distribution of the Ferrous Industry of the USSR"; A.G. Omarovskiy - "Specialization of the Production and the Distribution of the Machine Building Industry of the USSR" ; L.V. Opatskiy - "Distribution of the Food Industry of the USSR"; and A.M. Korneyev - "The Textile Industry of the USSR and Ways of Its Development".

Card 1/1

KLIMENKO, K.

Technological progress during the expanding development of
communism. Vop. ekon. no. 6:3-13 Ja '59. (MIRA 12:9)
(Technology)

ELIMENKO, K.; KATSEKLIHBOYEN, A.

Economic effectiveness of the all-over mechanization and
automation of production in the machinery industry. Vop.
ekon. no.11:85-99 N '59. (MIRA 12:12)
(Machinery industry)

KHACHATUROV, T.S., Prinsipali uchastiye: **BAKULEV, G.D.**, doktor ekon.nauk; **VAYNSHTYIN, B.S.**; **VARENTSOV, Ya.P.**; **KLIMENKO, K.I.**, doktor ekon.nauk; **KRASOVSKIY, V.P.**, kand.ekon.nauk; **KURAKOV, I.O.**; **FERBERG, A.S.**, kand.ekon.nauk, **SHUSTER, A.I.**, otv.red.; **SPEKL'NIKOVA, M.A.**, red.; **GERASIMOVA, Ye.S.**, tekhn.red.

[Standard method for determining the economic effectiveness of capital investments and new technology in the national economy of the U.S.S.R.]
Tipovaya metodika opredeleniya ekonomicheskoi effektivnosti kapital'nykh vlozheniy i novoy tekhniki v narodnom khozisyatve SSSR. Moskva, Gosplanizdat, 1960. 21 p.
(MIRA 13:7)

1. Akademiya nauk SSSR. 2. Chlen-korrespondent Akademii nauk SSSR (for Khachaturov). 3. Institut ekonomiki AN SSSR (for Bakulev, Klimenko). 4. Institut ekonomiki stroitel'stva Akademii stroitel'stva i arkhitektury SSSR (for Vaynshteyn). 5. Gosplan SSSR (for Varentsov). 6. Nauchno-issledovatel'skiy ekonomicheskii institut Gosplana SSSR (for Krasovskiy). 7. Gosudarstvennyy nauchno-tekhnicheskii komitet SSSR (for Kurakov). 8. Stroybank SSSR (for Ferberg). 9. Nauchnyy sovet po probleme ekonomicheskoy effektivnosti kapital'nykh vlozheniy i novoy tekhniki (for Shuster).
(Capital investments) (Machinery in industry)

KLIMENKO, Konstantin Ivanovich, doktor ekonom.nauk; KATSENLINBOYGEN,
Aron Ionifovich, kand.ekonom.nauk; OBADA, P.A., red.;
KRASOVSKIY, V.P., spetsred.; GHRASIMOVA, Ye.S., tekhn.red.

[Economic efficiency of over-all mechanization and automation
in the machinery industry] Ekonomicheskaya effektivnost'
kompleksnoi mekhanizatsii i avtomatizatsii v mashinostroenii.
Moskva, Gosplanizdat, 1960. 221 p.

(MIRA 14:2)

(Automation) (Machinery industry--Technological innovations)

K. KLIMENT, K.I.

GAVRILOV, A.N., prof., doktor tekhn.nauk; DEM'YANTUK, F.S., prof., doktor tekhn.nauk; MITROPANOV, S.P., kand.tekhn.nauk; KOBSAKOV, V.S., prof., doktor tekhn.nauk; IVANOV, D.P., doktor tekhn.nauk; SPO-ROZHEV, M.V., kand.tekhn.nauk; MALOV, A.N., kand.tekhn.nauk; KUDRYAVTSEV, I.V., prof., doktor tekhn.nauk; SEMYDNER, Yu.G., kand.tekhn.nauk; SHUKHOV, Yu.V., dotsent; KAZAKOV, N.F., kand.tekhn.nauk; SOLOFYKH, B.N., kand.tekhn.nauk; ROZHEBERG, L.D., prof., doktor tekhn.nauk; YAKHIMOVICH, D.Ya., insh.; NIKOLAYEV, G.A., prof., doktor tekhn.nauk; VLADZHIYVSKIY, A.P., doktor tekhn.nauk; SHAUMYAN, G.A., prof., doktor tekhn.nauk; KOSEKIN, L.N., kand.tekhn.nauk; BOBROV, V.P., kand.tekhn.nauk; NOVIKOV, M.P., kand.tekhn.nauk; VIKHMAN, V.S., kand.tekhn.nauk; DZHDISHKIN, A.V., kand.tekhn.nauk; KLIMENT, K.I., prof., doktor ekonom.nauk; VYATKIN, A.Ye., insh.; SATEL', N.A., prof., doktor tekhn.nauk; FOPANOV, I.G., insh.; MATVYENKO, V.V., insh.; KOCHETOVA, G.P., insh., red.isd-vs; ME'KIND, V.D., tekhn.red.; TIKHANOV, A.Ya., tekhn.red.

[Present status and trends of future development of technological processes in the manufacture of machinery and instruments] Sovremennoe sostoyaniye i napravleniye razvitiya tekhnologii mashinostroeniya i priborostroeniya. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroyt.lit-ry, 1960. 563 p. (MIRA 13:7)

(Machinery industry--Technological innovations)
(Instrument manufacture--Technological innovations) (Automation)

ROZHENFEL'D, Ya.S., prof.; KLIMENKO, K.I., doktor ekonom.nauk; SHIRYAYEV,
Yu.S., red.isd-va; DOROKHINA, I.N., tekhn.red.

[History of the machinery industry in the U.S.S.R.; from the
first half of the 19th century to the present time] Istoriiia
mashinostroeniia SSSR; s pervoi poloviny XIX v. do nashikh dni.
Moskva, Izd-vo Akad.nauk SSSR, 1961. 499 p.

(MIRA 14:3)

(Machinery industry)

Present State (Cont.)

SOV/4718

1. Automatic control devices, their structure and range of application	449
2. Construction of transducers for automatic control devices	452
3. The practice of applying the means for automatic control and sorting	459
4. Problems in the field of automatic control	464
Ch. XVIII. Automating Production in Machine Building [A.V. Derbisher, Candidate of Technical Sciences]	466
1. The automation and modernization of equipment	467
2. Automatic and mechanized continuous [production] lines and sectors :	475
3. Automation of checking operations	484
4. Automation and mechanization of labor-consuming operations	491
5. Modern machine-tool building	500
6. Generalization of advanced experience	500
7. Conclusions, outlook, and problems in the field of full automation and mechanization of production	502
Ch. XIX. Method of Determining the Economic Effectiveness of Full Mechanization and Automation in Machine Building [K.I. Klimenko, Doctor of Economic Sciences, Professor]	506

Card 10/11

KLIMENKO, K.

Increasing the effectiveness of technological progress. Vop.
ekon. no.7:17-26 J1 '60. (MIRA 13:5)
(Russia--Industries) (Automation)

KLIMENKO, Konstantin Ivanovich

Ekonomicheskaya effektivnost' kompleksnoy mekh nizatsii i avtomatizatsii v mashinostroyeni (by) K.I. Klimenko (i) A.I. Katsenelinboymen. Moskva, Gosplani-zdat, 1960.

222 p. tables.

At head of title: Akademiya Nauk SSSR. Institut Ekonomiki.

Bibliographical footnotes.

KHEYMAN, Solomon Aronovich; SATEL', N.A., doktor tekhn. nauk, retsenzent; KLIMENKO, K.I., doktor ekonom. nauk, retsenzent; STANKOVICH, V.G., inzh., red., retsenzent; MIRKIN, A.A., inzh., red., retsenzent; CHERNOVA, Z.I., tekhn. red.

[Problems of automation in the United States; review of materials published in the United States] Voprosy avtomatizatsii v SSHA; obsor materialov, opublikovannykh v SSHA. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1960. 222 p. (MIRA 14:5)
(United States--Automation)

KHEYMAN, Solomon Aronovich; KLIMENKO, K.I., doktor ekonom.nauk, red.;
MOSKVIN, D.D., red.; PETRUSHEV, I.M., red.; PONOMAREVA, A.A.,
tekh.red.

[Production organization and labor productivity in the U.S.S.R.
industry; based on machinery manufacturing and ferrous metallurgy]
Organizatsiia proizvodstva i proizvoditel'nost' truda v promyshlennosti
SSSR; na primere mashinostroeniia i chernoii metallurgii.
Pod obshchei red. K.I.Klimenko. Moskva, Gos.isd-vo planovo-ekon.
lit-ry, 1961. 225 p. (MIRA 14:6)

1. Institut ekonomiki AN SSSR.
(Steel industry) (Machinery industry)
(Labor productivity)

KLIMENKO, K. I.

Istorita mashinostroyeniya SSSR, s pervoy poloviny XIX v. do nashikh dney (by)
Ya. S. Rozenfel'd (i) K. I. Klimenko. Moskva, Izd-vo Akademii Nauk SSSR, 1961.
499 p. tables.
At head of t.-p.: Akademiya Nauk SSSR. Institut Ekonomiki.
Bibliographical footnotes.

PHASE I BOOK EXPLOITATION 807/5331

Sovetschaniye po kompleksnoy mekhanizatsii i avtomatizatsii tekhnologii chaskikh protsessov v mashinostroyeni. 20, Moscow, 1956

Avtomatizatsiya mashinostroyitel'nykh protsessov. t. III: Obrabotka rezaniyem i obrabotkoye voproy avtomatizatsii (Automation of Machine-Building Processes. v. 3: Metal Cutting and General Automation Problems) Moscow, Izd-vo M SSSR, 1960. 296 p. (Series: Isa: Trudy, t. 3) 3,700 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya. Komissiya po tekhnologii mashinostroyeniya.

Rep. Ed.: V. I. Situkhin, Academician; Ed. of Publishing House: V. A. Kotov; Tech. Ed.: I. P. Ivanin.

NOTE: This collection of articles is intended for technical personnel concerned with the automation of the machine industry. Contents: This is Volume III of the transactions of the Second Conference on the Full Mechanization and Automation of Manufacturing Processes in the Machine Industry, held September 25-29, 1956. The transactions have been published in three volumes. Volume I deals with the hot pressworking of metals, and volume II, with the situation and control of machines. The present volume deals with the automation of metal cutting in various forms. It contains general problems of metal-cutting automation. The transactions on the theme of automation of P. S. Dost, and A. N. Kharvatin, and those on the automation of work in the machine industry, under the supervision of E. A. Batai, and N. O. Tashchen. No personalities are mentioned. There are no references.

Rybnik, Yu. B. On the Operation of the Tools in Automatic Production Lines 32

Lyudskiy, D. G. Experiences of the SCh-6 [Special Design Office No. 6] in Designing and Mastering Automatic Production-Line Operations 43

Yegorov, B. V. Automation of Universal Metal-Cutting Machines for Mass Production 53

Bealyubov, G. I. Automatic Machines of Parts Used in Machining 62

Automation of Machine-Building Processes (Cont.) 807/5331

Tashchen, N. O. Automated Production of Gears and Splined Shafts 66

Koshkin, I. K. Automation of Manufacturing Processes Based on Rotary Transfer Machines 82

Rybin, G. N. Metal-Cutting Tools for Automated Production 96

Barkhiber, A. V. Automation of Manufacturing Processes at the I GPP [1st State Bearing Plant] 111

Skulov, Ye. P. Experience in the Operation of Semi-automatic Hydraulic Copying Machines 124

Vasil'yev, V. S. Automatic Balancing Machines 129

Karitsyn, A. D. New Advanced Processes for the Mass Production of Sliding Bearings 141

Card 3/7

Automation of Machine-Building Processes (Cont.)	507/5391
Fil'min, V. P. Securing Stability in Motion of Parts During Centerless Grinding	148
Zolotarev, B. N. Present State of and Prospects for Electro-spark Machining of Metals and Methods for Its Automation	156
Berezberg, L. D., and D. P. Yablunovich. Use of Ultrasonics for Machining Hard and Brittle Materials	164
Zheleznev, Ye. S. Automation of the Process for Grinding Bearing Rings	173
Bashchakov, A. I. Investigating the Process Parameters of Small Semi-Automatic Unit-Head Machine Tools	186
PART II. AUTOMATION OF SURFACE-GRINDING PROCESSES	
Chirshov, V. T. Controlling the Carburizing Process	203
Card 5/4	
Automation of Machine-Building Processes (Cont.)	507/5391
Khol'mskiy, A. P. Units for Quenching and Tempering by High-Frequency Heating in Automatic Production Lines	211
Larkin, V. B. Automatic Unit for the Short Peening of Leaf Springs	217
Orignalis, Ye. E. Automating the Thickness Control of Sur- Face Films	222
PART III. GENERAL PROBLEMS IN AUTOMATION	
Klagesov, A. A. [Academician]. Objectives of Automating the Processes in Machine Building	229
Bakushin, V. I. [Academician]. Problem of Automation in Machine Building	231
Kalashnik, V. S. [Academician]. On Methods of Improving Automatic Systems	246
Automation of Machine-Building Processes (Cont.)	507/5391
Klimenko, E. I. Economic Effectiveness of Automation and Methods of Determining It	272
Yeml'yakov, A. D. Basic Principles of Determining the Economic Effectiveness in the Automation of Production	277
Zamiatyants, N. Ya. Investment per Unit of [Rated] Horse- power in the Automobile Industry	285
AVAILABLE: Library of Congress	

KLIMENKO, K.

Automation and technological progress. Vop.ekon. no.9:14-
22 S '61. (MIRA 14:8)
(Machinery industry—Automation)

KLIMENKO, K. (Minsk); SITNIKOV, O. (Minsk)

Tasks for improving the economic efficiency of production
mechanisation. Vop. ekon. no.8:18-27 Ag '62. (MIRA 15:8)
(Machinery industry) (Automation)

YEFIMOV, A.N., glav. red.; BACHURIN, A.V., red.; VOLODARSKIY, L.M., red.; GERSHEBERG, S.R., red.; GILZBURG, S.Z., red.; DUNLUKOV, G.F., red.; KINZHER, D.M., red.; KLIMENKO, K.I., red.; KOMANOV, P.V., red.; KOROL'KOV, A.N., red.; KIGLOV, P.N., red.; LIVANSKAYA, F.V., red.; LOKSHIN, E.Yu., red.; OSTROVITYANOV, K.V., red.; POSVIANSKIY, S.S., red.; PRUDENSKIY, G.A., red.; RAZUMOV, N.A., red.; KUMYANTSEV, A.F., red.; TATUR, S.K., red.; SHUKHVAL'TER, L.Ya., red.; BAZAROVA, G.V., starshiy nauchnyy red., kand. ekon. nauk; KISEL'MAN, S.M., starshiy nauchnyy red.; GLAGOLEV, V.S., nauchnyy red.; TUMANOVA, N.L., nauchnyy red.; BLAGODARSKAYA, Ye.V., mlad. red.; SHUSTROVA, V.M., mladshiy red.; GAYDUKOV, Yu.A., kand. ekon. nauk, red.; ZBARSKIY, M.I., red.; LOZOVY, Ya.D., red.; SERGEYEV, A.V., dots., red.; KHEYFETS, L.M., kand. tekhn. nauk, red.; LYUBOVICH, Yu.O., kand. ekon. nauk, red.; SYSOYEV, P.V., red.; KOSTI, S.D., tekhn. red.

[Economic encyclopedia; industry and construction] Ekonomicheskaya entsiklopediya; promyshlennost' i stroitel'stvo. Chlony red. kollegii: A.V. Bachurin i dr. Moskva, Gos. nauchn. izd-vo "Sovetskaya entsiklopediya." Vol. 1. A - H. 1962. 951 p. (MIRA 15:10)

(Russia--Industries--Dictionaries)
(Construction industry--Dictionaries)

NEMCHINOV, V.S., akademik, otv. red.; KAPENGAUZ, B.B., red.; ~~KI IMENKO,~~
~~K.I.,~~ red.; MINTS, L.Ye., red.; OBLOMSKIY, Ya.A., red.; ~~PASINOV,~~
A.I., red.; PROBST, A.Ye., red.; SOROKIN, G.M., red.; UHL, " " ,
B.TS., red.; KHOMYAKOV, A.I., red. izd-va; VOLKOVA, V.Ye.,
tekhn. red.

[Problems of the national economy of the U.S.S.R.; on the 85th
birthday of Academician Stanislav Gustavovich Strumilin] Voprosy
narodnogo khoziaistva SSSR; k 85-letiiu akademika Stanislava
Gustavovich Strumilina. Moskva, Izd-vo Akad. nauk SSSR, 1962.
417 p. (MIRA 15:12)

1. Akademiya nauk SSSR. Otdeleniye ekonomicheskikh, filosoficheskikh
i pravovykh nauk.
(Strumilin, Stanislav Gustavovich, 1877-) (Economics)

KLIMENKO, K.I., doktor ekonom.nauk; BUDNITSKIY, I.M., kand.ekonom.nauk

Economic problems of technical progress. Vest.AN SSSR 33 no.4:
45-53 Ap '63. (MIRA 16:4)

(Economic policy) (Technology)

ZAK, P.S., kand. tekhn. nauk; SMESAREV, G.A., kand. tekhn. nauk;
FROLOV, V.G., inzh.; KLIMENKO, K.I., doktor ekonom. nauk, prof.;
TILLES, S.A., kand. tekhn. nauk [deceased]; ZLOBINSKIY, B.M., prof.

Reviews. Vest. mashinostr. 43 no.7:84-89 J1 '63.

(MIRA 16:8)

KLIMENKO, K.I., doktor ekon.nauk; L'VOV, D.S., kand.ekon.nauk

Evaluating economic efficiency of new designs of equipment.
Vest.mashinostr. 43 no.9:79-81 S '63. (MIRA 16:10)

SOMINSKIY, Vladimir Samilovich, prinimal uchastiye AVERBUKH, A.Ya.,
kand. khim. nauk; KLIMENKO, K.I., doktor ekon. nauk,
retsensent; ZAV'YALOVA, A.N., red.

[Economics of new productions] Ekonomika novykh proizvodstv.
Moskva, Ekonomika, 1965. 213 p. (MIRA 18:4)

BERRI, L.Ya., doktor ekon. nauk; KLIMENKO, K.I., doktor ekon. nauk; OBLONSKIY, Ya.A., kand. ekon. nauk; SAVINSKIY, E.S., kand. ekon. nauk; KHEYNMAN, S.A., doktor ekon. nauk, red.; MOSKVIN, D.D., kand. ekon. nauk, nauchn. red.; ORLOV, N.A., prof., red.; SAZANOVICH, N.K., mlad. red.; SIMKINA, G.S., mlad. red.

[U.S.S.R. industry in 1929-1963; technical and economic trends and structural changes] Promyshlennost' SShA v 1929-1963 gg. tekhniko-ekonomicheskie tendentsii i strukturnye sdvigi. [By] L.I.A. Berri i dr. Moskva, Ekonomika, 1965. 406 p. (MIRA 18:5)

KLIMENKO, Konstantin Ivgovich; KHOMYAKOV, A.I., red.

[Economic problems of technological progress in the machinery industry of the U.S.S.R.] Ekonomicheskie problemy tekhnicheskogo progressa v mashinostroenii SSSR. Moskva, Nauka, 1965. 222 p. (MIRA 18:10)

IVANCHIKOVA, B.I.; KOLESHNIKOVA, M.T.; KONOBRITSKAYA, Ye.M.; KUDRYASHOVA, M.M.; KUL'BAYEVA, Sh.N.; KURDYUMOVA, S.G.. Prinsipali uchastiye: ABIFULLINA, M.N.; KLIMENKO, K.M.; OVSIANKINA, V.I.; SOKOLOV, M.V.; URANOVA, M.I.; VOZOB'YEVA, O.P.; AKHMADOVA, N.B., otv.red.; NOVOKHATEKIY, I.P., red.; SHEVCHUK, T.I., red.; AYTMUKHAMBETOVA, S.; ROROKINA, Z.P., tekhn.red.

[The Karaganda Economic Administrative Region; bibliography]
Karagandinski ekonomicheski administrativnyi raion; bibliograficheski ukazatel' literatury. Alma-Ata, 1959. 458 p.
(MIRA 13:2)

1. Akademiya nauk Kazakhskoy SSR. Alma-Ata. Tsentral'naya nauchnaya biblioteka.

(Bibliography--Karaganda Economic Region)
(Karaganda Economic Region--Bibliography)

KLIMENKO, K. N.

Klinenko, K. N.

"Ferryboat crossings for automobile transport at water reservoirs."
Acad Sci USSR. Department of Technical Sciences. Inst of Complex
Transportation Problems. Moscow, 1956. (Dissertation for the Degree
of Candidate in Technical Sciences).

SO: Kniatnaya letopis'
NO. 25, 1956. Moscow

KLIMENKO, K.N., kand.tekhn.nauk

Auxiliary transport "Comet," Sudostroenie 25 no.1:82-84 Ja '59.

(MIRA 12:13)

(United States--Transports)

KLIMENKO, K. S.

USSR/Cultivated Plants. Cereals.

M

Abs Jour: Ref Zhur-Diol., No 17, 1958, 77624.

Author : Vil'dflush, R.T.; Dragin, A.M.; Klimenko, K.S.
Inst : AS DSSR.
Title : Significance of Basic and Midus Fertilizers of
Root and Non-Root Food Supplementation in the
Increase of Crop of Corn.

Orig Pub: V sb.: Kukuruza v DSSR. Minsk, AN DSSR, 1957, 164-176.

Abstract: Two experiments conducted in a crop-rotation field of the student-experimental farm of the Belorussian Agricultural Academy had the purpose of developing the most expedient methods of using manure and moderate doses of mineral fertilizers under corn in conditions of turf-podzolic and

Card : 1/3

M

Abs Jour: Ref Zhur-Diol., No 17, 1958, 77624.

pent-carah soils. Best results were gained by the combined application of manure with NPK under the plow. With the application of 20 t/ha of manure and $N_{60}P_{60}K_{60}$ the harvest of corn increased by 92.9 c of the green mass (55.5%) and by 39.5 c of the ears (44.2%) from 1 ha. The indicated combination of fertilizers significantly increased the effect of 40 t of manure. Removal of NPK from the basic fertilizer in the feedings decreased their effectiveness on the base of the manure $1\frac{1}{2}$ times, and on the non-manure base in dry years almost to zero. With nest application of 0.5-1 kg of manure in each nest, the harvest of corn increased by 50-60%. A dose of 0.3 kg was insufficient. High additions of harvest were gained by application in midus fertilizer

Card : 2/3

KOMISSARENKO, V.P. [Komisarenko, V.P.]; LEVCHENKO, M.N.; KLIMENKO, K.S.
[Klymenko, O.S.]

Change in the mineral components of the blood serum under the
effect of splenin in splenectomy and parathyroidectomy. Fisiol.
shur.[Ukr.] 9 no.116-12 Ja-P '63. (MIRA 18:5)

1. Laboratoriya endokrinnykh funktsiy Instituta fiziologii im.
A.A.Bogomol'tsa AN UkrSSR, Kiyev.

KLIMENKO, K. T., KLIMENKO, V. N.

Grafting: Orange

Influence of stock on the fertility and quality of fruit of the orange, *Agrobiologia*
No. 2, 19 52 Gosudarstvennyy Nikitskiy Botanicheskiy sad imeni V. M. Molotova

SO: Monthly List of Russian Accessions, Library of Congress, July 1952 ~~1950~~, Uncl.

KLIMENKO, K. P., KLIMENKO, V. N.

Citrus Fruits

Pollination of citrus trees with mixed pollen. *Agrobiologia* No. 3, 1952
Oosudarstvennyy Nikitskiy botanicheskiy sad imeni V. N. Molotova

SO: Monthly List of Russian Accessions, Library of Congress, September 1952, Uncl.

KLDENKO, K. T.

"Tung Tree Selection in Adzhariya." Cand Agr Sci, All-Union Inst of
Plant Growing, Moscow, 1954. (RZhBiol, No. 7, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

USSR/Cultivated Plants - Fruits. Berries.

M-6

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30044

Author : Klimenko, K.T.

Inst : -

Title : New Apricot Varieties for the Northern Oblasts of the Ukraine.

Orig Pub : Nauk. zap. Nizhinsk. derzh. ped. in-t, 1956, 7, 20-37 (Ukrainian)

Abstract : This selection work in developing new apricot varieties for the Northern Oblasts of the Ukraine was begun in 1931. Using the method of hybridization of systemtically and geographically separated forms, as well as a mixture of pollens and directive cultivation, the author has developed the new apricot forms: the Mezhinskiy No 1, Mezhinskiy No 7 and the Mezhenkiy No 11. Their detailed description is presented.

Card 1/1

PRIMARY	: USSR
CATEGORY	: Cultivated Plants, Fruits, Berries, Nuts, Tea
APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723110018-8	
ABST. JOUR.	: RZhBiol., No. 7, 1958, No. 1816
AUTHOR	: Klimenko, K.T.
INST.	: <u>Nikitok State Botanical Garden</u>
TITLE	: <u>The Effect of Stimulating Substances on the Growth of Seedlings and Implanted Lemon Stalks.</u>
ORIG. PUB.	: Byul. nauchn. inform. Gos. Nikitok. Instan. and. 1957, No. 5-6, 71-74
ABSTRACT	: In the Nikitok botanical garden, it was established that the introduction into the soil of mineral (0.001 and 0.0001% solutions) of growth substances in the form of aqueous solutions is proved to have a favorable effect on the growth and development of seedlings and implanted lemon stalks. Irrigation of lemon seedlings with heteroauxin and o-naphthylacetic acid solutions intensified growth and contributed to a large crop of unrooted plants suitable for grafting.
APP:	1/1

ARTYUKHOV, V.G.; YEGOROV, A.S.; Prinizhala uchastiye Klimenko, K.V., khimik

Movement of fusel oil in the rectification column of a beer still
with indirect action during the manufacture of high purity alcohol
from molasses mash. Trudy Ukr.NIISP no.8:36-47 '63. (MIRA 17:3)

ARTYUKHOV, V.G.; BEREZNIKOVA, D.S.; YEGOROV, A.S.; KLIMENKO, K.V.

Losses of fusel oil in the products of yeast separation. *Spiryt.*
prom. 29 no.6:36-37 '63. (MIRA 16:10)

1. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy i
likero-vodochnoy promyshlennosti.
(Distillation) (Fusel oils)

KLIMENKO, L.A., ordinator

Analyzing errors made by physicians in the selection of patients
for treatment at the Borovoye health resort. Trudy Inst. Kraev. pat.
All Kazakh SSR 5:98-101 '57. (MIRA 11:2)

1. Sanatoriy No.2 kurorta Borovoye.
(TUBERCULOSIS)
(BOROVOYE--CLIMATOLOGY, MEDICAL)

GOLUB, F.M.; KLIMENKO, L.A.

Brief report of the work of the Samarkand Surgical Society
for 1957. Med. shir. Usb. no. 6:83-86 Ja '58. (MIRA 13:6)
(SAMARKAND--SURGICAL SOCIETIES)

KLIMENKO, L. A., Candidate of Med Sci (diss) -- "The effect of dry garlic powder on the healing of suppurative wounds in sick rabbits and in those subjected to X-rays". Samarkand, 1958. 22 pp (Samarkand Med Inst in Acad I. P. Pavlov), 200 copies (KL, No 21, 1959, 119)

KLEMYNO, I.F.

Blood serum proteins in various stages of burn disease. *Genet.* 1
rerep. krovi 18242-244 '69. (MIRA 18:10)

1. Kiyevskiy institut perelivaniya krovi.

KLIMENKO, L.F. (Kiyev, Brest-Litovskoye shosse, d.82)

Changes in the susceptibility of burn wound microflora to antibiotics and the effect of these changes on the clinical course and outcome of burns. Nov. khir. arkh. no.5:13-19 8-0 '60. (MIRA 14:12)

1. Kafedra khirurgii (sav. - saslusheyny deyatel' nauki, prof. A.A.Fedorovskiy) pediatricheskogo fakul'teta Kiyevskogo meditsinskogo instituta na baze 1-y rayonnoy klinicheskoy bol'nitsy imeni Kalinina.
(BURNS AND SCALDS) (ANTIBIOTICS)
(BACTERIA, EFFECT OF DRUGS ON)

STUL'NIKOV, V.I., kand.tekhn.nauk; LAPCHENKO, P.I., kand.tekhn.nauk;
KLIMENKO, L.I., insh.; ANAN'YEV, K.Ya., insh.

Analysis of the operation of the VAK-12500/300 automatic
current stabilizing system. Prom. energ. 20 no.7:27-31
Jl '65. (MIRA 18:12)

KLIMENKO, L.I., inzh.; ANAN'YEV, K.Ya., inzh.; LAPCHENKO, P.I., kand.
tekh. nauk

New source of power supply for electrolyzers. Vest. elektroprov
34 no.6:78-80 Je '63. (MIRA 16:7)

(Electric power supply to apparatus)
(Electrometallurgy)
(Electric current rectifiers)

Klimenko k H.

As experiment on obtaining ...
 by using the ...
~~Author: A. F. Volkov, M. N. Yezhovskiy, ...~~
~~... 1949, No. 4, 106-22.~~
~~Refer. Zhur. Khim. Yezh. Akad. Nau 14803 -- It is possible~~
 to obtain ... by a method of ...
 ... by ... in the presence of ...

During the three-step crystal, the quality of the product from the two first steps was unsatisfactory because of nonhomogeneity in size and presence of conglomerated lumps. The sugar from the 3rd step was distinguished by homogeneity and large size of crystals. J. M. ...

MIKIRTUMOV, N.B.; KLIMENKO, L.V., kandidat tekhnicheskikh nauk, inzhener,
polkovnik, redaktor

[Longitudinal static stability of high-speed airplanes] Prodol'naya
staticheskaya ustoychivost' skorostnogo samoleta. Pod obshchei
red. L.V.Klimenko, [Moskva] Izd.VVIA im.prof. N.E.Zhukovskogo,
1949. 107 p. (MLRA 8:10)
(Stability of airplanes)

KLIMENKO, L.V.

Printsip poleta samoleta, Stenogramma publichnoi lektsii. Moskva, Pravda, 1951. 31 p., diags.

Title tr.: Principle of flight of an airplane. Stenographic report of a public lecture.

TL570.K52

SO. Aeronautical Science and Aviation in the Soviet Union, Library of Congress, 1955.

KLIMENKO, L.V.

AID P - 4731

Subject : USSR/Aeronautics - flight automation
Card 1/1 Pub. 135 - 12/23
Author : Klimenko, L. V., Docent Eng.-Col.
Title : Flight automation by means of mathematical computers
Periodical : Vest. vozd. flota, 7, 64-67, J1 1956
Abstract : General idea on the use of automatic computers in navigation, interception, and landing and as well as in the control of aircraft over air bases is given. One photo. The article is of no particular value.
Institution : None
Submitted : No date

KLIMENKO, L.V.

Climatic effect of the phases of solar cycles in winter in
the European part of the U.S.S.R. Vest.Mosk.un.Ser.5: Geog.
20 no.4:26-32 J1-Ag '65. (MIRA 18:12)

1. Kafedra klimatologii Moskovskogo gosudarstvennogo
universiteta. Submitted March 15, 1964.

KLIMENKO, L.V., insh.; ALEKSEYENKO, N.F., insh.

Repair of the hydromechanical reduction gear of the **TEJ**
diesel locomotive. Elek.i tepl.tiaga 4 no.1:28-29 Ja '60.
(MIRA 13:4) .
(Diesel locomotives--Maintenance and repair)

KIMIKO I. V. Cand. Geograph. Sci.

Dissertation: "Dynamics of Local Weathers in Connection with Transformation of Air Masses in Summer and Winter on the Flatland of Kazakhstan." Inst. of Geography, Acad. Sci. USSR, 25 Feb 1947.

SO: Vechernyaya Moskva, Feb, 1947 (Project #17836)

KLIMENKO, L.V.

Secular changes in winter temperature conditions in the European U.S.S.R. and the relationship between these changes and solar activity. Astron.sbor no.3/4:182-189 '60. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet.
(Climatology)

S/050/60/000/009/003/008
B012/B063

AUTHOR: Klimenko, L. V.

TITLE: The Relationship Between Temperature Conditions in the European Part of the USSR in Winter and Solar Activity

PERIODICAL: Meteorologiya i gidrologiya, 1960, No. 9, pp. 26 - 29

TEXT: With the help of N. I. Guk's method (Ref. 1), the author of the present article determined the mean temperature anomalies in December, January, and February for the period from 1891 to 1956 in a southern and a northern region of the European part of the Soviet Union. By studying distribution curves, he obtained criteria for standard and extreme values. In the southern region there was a temperature rise in the first half of the said period, while a temperature drop was found for the second half. In the northern region, there was an opposite tendency (Ref. 2). When comparing the climatic tendency with the secular trend of solar activity, the author (Ref. 3) established a close relationship between the two tendencies, which manifests itself in a high correlation coefficient. It was not possible to give an exact definition

Card 1/3

The Relationship Between Temperature
Conditions in the European Part of the
USSR in Winter and Solar Activity

S/050/60/000/009/003/008
B012/B063

of this relationship. Thus, it is necessary not to use the entire sunspot cycle of solar activity but only individual phases of the latter as, e.g., the extreme phases. The secular trend must be taken into account. T. V. Pokrovskaya (Ref. 4) established the relationship between the average monthly temperature at individual stations and the phase state of the sunspot cycle. The main characteristic of solar activity are the relative Wolf numbers (W). Between 1875 and 1958 and between 1749 and 1958, W had a mean value of 48. Between 1875 and 1931, the mean Wolf number was 37, 48 never being attained (descending branch of the secular cycle). Between 1932 and 1958, the mean W-value was 71 (ascending branch of the secular cycle). In order to determine the phase state of solar activity in the sunspot cycle as objectively as possible, this determination was carried out according to three indices. In addition to W, the mean intensity (\bar{a}) of the solar processes and the average annual maximum sunspot areas (S_m) were taken into account (Ref. 5). Only those years were considered whose extreme phase states were determined by at least one of the above-mentioned indices. Investigations showed that the number of months with negative anomalies during the two extreme

Card 2/3

The Relationship Between Temperature
Conditions in the European Part of the
USSR in Winter and Solar Activity

S/050/60/000/009/003/008
B012/B063

phases of the sunspot cycle decreased, whereas that of the months with positive anomalies increased accordingly (Table 2). The influence of the extreme phases, is, however, much more irregular if this effect is investigated with reference to the individual branches of the secular cycle. Investigations showed the following: In the southern region of the European part of the Soviet Union, the heating effect produced by the extreme phases of the sunspot cycle is due to the maximum phase of the latter on the ascending branch of the secular cycle and to the minimum phase on the descending branch. In the northern region, the temperature rise depends on the two extreme phases of the sunspot cycle on the ascending branch of the secular cycle. A distinct, but weaker cooling tendency is found during the two phases of the sunspot cycle on the descending branch of the secular cycle. There are 3 tables and 5 Soviet references. ✓

Card 3/3

KLIMENKO, L.V.

Changes over many years in the intensity of the zonal and meridional circulation of atmosphere during winter seasons. Vest. Mosk.un. Ser. 5: Geog. 16 no.5:48-54 S-O '61. (MIRA 14:9)

1. Kafedra meteorologii i klimatologii Moskovskogo universiteta.
(Atmosphere)

KLIMENKO, L.V.

Estimating the extent of temperature anomalies. Meteor. i gidrol.
no.9:33-36 S '62. (MIRA 15:8)

1. Moskovskiy gosudarstvennyy universitet.
(Atmospheric temperature)

KLIMENKO, L.V.

Secular fluctuations of the continentality of the Moscow climate.
Izv. Vses. geog. ob-va 95 no.4:367-368 Ji-Ag '63. (MIRA 16:9)
(Moscow—Climate)

KLIMENKO, M.

Klimenko, M. "Game reservations of our kray (Stalin oblast)," Summary . Lit. Donbass, Book 5, 1948, p. 140-56

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

TUKOV, V.; OVSYUKOV, A.; KLIMBKO, M.

Competition for the title "brigades of Communist Labor." Avt.
transp. 37 no.4:53 Ap '59. (MIRA 12:6)

1. Machal'nik sborochnogo teskha avtoremontnogo zavoda Leningrad-
skogo upravleniya avtotransporta (for Tukov).
2. Upravlyayushchiy
Omskim avtotrestom (for Ovsyukov).
3. Chlen nestkoma avtokolonny
No.20, Novocherkassk (for Klimenko).
(Socialist competition)

KLIDENKO, M.

When activists get down to business. Voen. znani. 39
no.2:23 Y '63. (MIRA 16:3)
(Military education)
(Chvanov, Andrei Nikiforovich)

1. KLIMENKO, M.A.
2. USSR (600)
4. Insecticides
7. Study and master the use of hexachloran. Les.khoz No. 12 1952.

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

1. KLIMENKO, M. A. MIROSHNICHENKO, A. Z.
2. USSR (600)
4. Dairying
7. How we obtained increased yield of milk, Sots. zhiv. 15 No. 3, 1953.

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

KLIMENKO, M.A.

Evaluating erosional processes for construction purposes near the
city of Voronezh. Nauch. zap. Vor. otd. Geog. ob-va: 93-94 '63.
(MIRA 17:9)

BODULIN, V.P., prof.; SKIBA, V.M.; ZINCHENKO, G.P.; KAPLAUKHOVA, T.N.;
KLIMENKO, M.I., student

Change in the blood in echinococcosis. Uch. zap. Stavr. gos.
med. inst. 8172-176 '63 (MIRA 17:7)

1. Kafedra obshchey khirurgii (sav. kafedroy prof. Yu.S.
Gilevich) Stavropol'skogo meditsinskogo instituta (rektor
sasluzhennyy deyatel' nauki, prof. V.G. Budylin) i 2-ye khi-
rurgicheskoye otdelenie Stavropol'skoy krayevoy klinicheskoy
bol'nitsy (glavnyy vrach Yu.P. Zotov).

KLIMENKO, M.M.; MALYSHEVA, L.M.; MIKHAYLENKO, G.V.; PETELIN, S.M.

Reflected symptoms as observed in patients with lumbosacral radiculitis during therapy at the Piatigorsk resort. Vop.kur. fizioter. i lech.fis.kul't. 21 no.2:49-52 Ap-Je '56. (MIRA 9:9)

1. Is nevrologicheskogo otdeleniya (sav. - doktor meditsinskikh nauk S.M.Petelin) Bal'neologicheskogo instituta na Kavkasskikh mineral'nykh vodakh.

(SPINAL NERVE--DISEASES)

(PIATIGORSK--PHYSICAL THERAPY)

KHAMITOVA, V.Z.; KLIMENKO, M.M.

**Effect of working conditions on the general incidence of disease
in miners. Trudy Inst. kraev.pat. AN Kazakh SSR 9:56-64, 1961.**

(MIRA 16:7)

(MINERS--DISEASES AND HYGIENE)

L 44457-66

ACC NR: AP6023255

(A)

SOURCE CODE: UR/0322/66/000/002/0082/0085

AUTHORS: Klimenko, M. N.; Pelyayev, A. I.20
B

ORG: Moscow Technological Institute for the Meat and Dairy Industry, Department of Machines and Equipment for Meat Combines (Moskovskiy tekhnologicheskii institut myasnoy i molochnoy promyshlennosti, Kafedra mashin i oborudovaniya myasokombinatov); Ukrainian Scientific Research Institute for the Meat and Dairy Industry, Laboratory for the Technology of the Primary Processing of Cattle (Ukrainskiy nauchno-issledovatel'skiy institut myasnoy i molochnoy promyshlennosti, Laboratoriya tekhnologii pervichnoy pererabotki skota)

TITLE: Investigation of structural and mechanical properties of meat

22

SOURCE: IVUZ. Pishchevaya tekhnologiya, no. 2, 1966, 82-85

TOPIC TAGS: food preservation, food technology, protein

ABSTRACT: The deformational behavior of meat was studied using the deformometer of the Leningrad Meat Plant and Keppler's consistometer. Specimens of 1-cc size were prepared from the longest muscle of beef and were stored at 2-30 for 30 hours. They were instantly deformed by a magnitude ϵ by a constant pressure P, as shown in Fig. 1. When subjected to small loads for periods brief in comparison with the relaxation period, the specimens behaved as elastic materials. During instantaneous stresses of up to 0.12×10^5 n/m² at 10-150, the specimens exhibit an elasticity

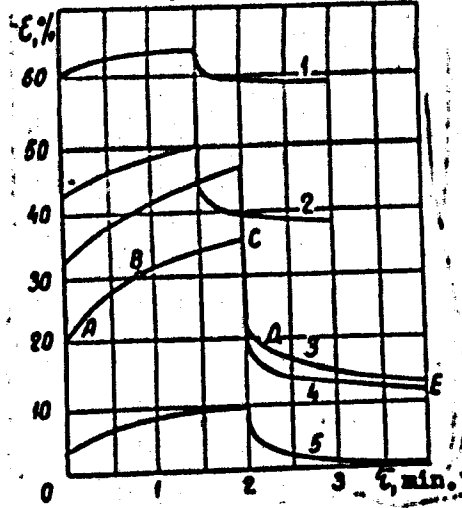
UDC: 637.514

Card 1/2

L 44457-66

ACC NR: AP6023255

Fig. 1. Values of ϵ , %, at $P = 0.5 \times 10^5$: 1 - across fibers; 2 - along fibers; at $P = 0.05 \times 10^5$: 3 - across fibers; 4 - along fibers; 5 - at $P = 0.01 \times 10^5 \text{ n/m}^2$ (along).



modulus of $0.264 \times 10^4 \text{ n/m}^2$. At -12 to 18C this modulus changes according to the equation

$$E = 1,074e^{-0.0001 \cdot T} \cdot 10^4 \text{ n/m}^2$$

Orig. art. has: 4 figures and 4 equations.

SUB CODE: 06/ SUBM DATE: 22Mar65/ ORIG REF: 004/ OTH REF: 001

Card 2/2 *10*

KLIMENKO, M.Ya.; PAVLEVSKIY, V.I.

Dredging a pond with a suction dredge. Otdr.i mel. 5 no.5:71-74 My '53.
(MIRA 6:6)
(Dredging)

S/064/60/000/007/004/010
B020/B054

AUTHORS: Menyaylo, A. T., Klimenko, M. Ya., Verkhovskaya, Z. N.,
and Afanas'yev, M. M.

TITLE: Liquid-phase Hydration of Olefins on Cation-exchange
Resins

PERIODICAL: *Khimicheskaya promyshlennost'*, 1960. No. 7, pp. 16 - 18

TEXT: The authors investigated cation-exchange resins with different functional groups (-SO₃H, -COOH, etc.) as catalysts for the hydration of olefins on cation-exchange resins. Before the examination, the cationites were transformed from the Na to the H form by treatment with 10% HCl and elution with distilled water, until the reaction to Cl⁻ ions disappeared. Then, the cationites were dried in air, and stored. Swelled cationites, and cationites with enlarged volume, were tested for their activity in a high-pressure flow apparatus. The propane-propylene- and the butylene fractions from the exhaust gases of the petroleum refining industry were taken as initial products; their compositions were

Card 1/3

Liquid-phase Hydration of Olefins on
Cation-exchange Resins

S/064/60/000/007/004/010
B020/B054

determined by distillation in the apparatus of the TAIATIM, and by the sulfuric-acid procedure in the apparatus of the VTI. The determination of isopropyl alcohol and trimethylcarbinol is also described briefly. The authors examined samples of the cationites KY-2 (KU-2) and CSC (SBS) with $-SO_3H$ as ionogenic group in grains 0.5-3 mm in diameter. The

initial isobutylene fraction contained 95% of isobutylene. The results show that these cation exchangers are active, and highly selective, catalysts in the process of liquid-phase hydration of isobutylene. Fig.2 shows the dependence of the activity of the SBS catalyst on the operating time; it was found that it can be used for a long time without noticeable drop in activity, and regenerated with 6% HCl. The effect of cationites was tested on trimethylcarbinol, and confirmed by the IREA. In the liquid-phase hydration of propylene, the authors tested the sulfocationite CAB-3 (SDV-3), the cationite KMI (KMO) with a carboxyl group as functional group, the cationite PP (RP) with a phosphoric-acid group, and the bifunctional cationite CM-12 (SM-12) with a carboxyl and a sulfo group, besides the cationites mentioned. The cationites containing the sulfo group were most active. The initial fraction contained

Card 2/3

KHRYAYLO, A.T.; KLIMENKO, M.Ya.; VERKHOVSKAYA, Z.N.; AFANAS'YEV, M.M.

Liquid phase hydration of olefins on cation-exchange resins.
Zhim. prom. no. 7:544-546 O-N '60. (MIRA 13:12)
(Olefins) (Hydration)

S/064/61/000/003/003/009
B101/B203

AUTHORS: Rozantsev, E. G., Klimenko, M. Ya., Myshkin, A. Ye.
TITLE: Production of isoamylenes from the pentane amylene fraction
PERIODICAL: Khimicheskaya promyshlennost', no. 3, 1961, 24-26

TEXT: Isoamylenes contained in the pentane amylene fraction (PAF) of thermal petroleum cracking are a promising raw material for the synthesis of isoprene. The present paper deals with the production of these compounds from the PAF. The investigation was made with PAF of the following composition (% by weight): butane and butylenes 0.30, isopentane 11.68, pentane 33.82, pentene-1 12.95, trans-pentene-2 10.34, cis-pentene-2 5.75, 2-methyl butene-1 8.06, 2-methyl butene-2, 10.58, 3-methyl butene-1 0.61, isoprene 2.04, trans-piperylene 1.61, cis-piperylene 1.97, others 0.29. The low content of 3-methyl butene-1 is explained by its low boiling point (losses in decanting and storing of the fraction). A production of isoamylene by rectification is not possible since the components of the fraction form azeotropic mixtures with slightly different boiling points. Hydration of isoamylenes to isoamyl alcohols by means of 65% H_2SO_4 gave low yields

Card 1/7

Production of isoamylenes ...

S/064/61/000/003/003/009
B101/B203

only (about 20%). On the basis of the fact that HCl adds to the double bond on the tertiary C atom, the hydrochlorination of 2-methyl butene-2 and 2-methyl butene-1 was performed. The resulting tert-amyl chloride (boiling point 84°C) can be easily separated by distillation from the hydrocarbons not hydrochlorinated. One part by weight of PAF was shaken with three parts by weight of HCl (specific gravity 1.17-1.19) for 3-4 hr. Then, the hydrocarbon layer was decanted, washed with ice water, dried with CaCl₂, and fractionated. Among the fractions (35-42°C, 42-84°C, 84-90°C, residue with boiling point above 90°C), the 84-90°C fraction consisted of almost pure t-amyl chloride. Additional t-amyl chloride was obtained from the 42-84°C fraction by a second distillation so that the total yield was about 85%. The chromatographic analysis of PAF treated with HCl showed the complete absence of 2-methyl butene-2 and 2-methyl butene-1. Among the three methods of isoamylenes production from the chloride: 1) splitting-off of HCl by strong alkalies, 2) catalytic dehydrochlorination, 3) hydrolysis in the presence of weak alkalies and subsequent dehydration of t-amyl alcohol, the latter was chosen. Hydrolysis was conducted at 20-25°C in the presence of 5% solutions of soda, sodium bicarbonate, ammonium bicarbonate, or calcium hydroxide.

Card 2/7

Production of isoamylenes ...

S/064/61/000/003/003/009
B101/B203

The resulting tert-amyl alcohol was extracted by means of the PAF residue, and then fractionated. The 84-90°C fraction consisted of t-amyl chloride contaminated by t-amyl alcohol, the 90-105°C fraction of t-amyl alcohol contaminated by the chloride. Rectifying once more yielded pure tert-amyl alcohol. Isoamylenes formed as a by-product. Table 1 gives the results. The dehydration of t-amyl alcohol was conducted as follows: 1) 100 parts by weight of t-amyl alcohol were mixed with 10 parts by weight of KY-2 (KU-2) cation exchanger, and heated on a water bath. Dehydration started at 70-75°C, and attained its maximum velocity at 80-85°C. The products were collected in a vessel cooled with dry ice; 2) t-amyl alcohol was let through an electrically heated quartz vessel filled with Al_2O_3 at a rate of 0.5 ml per 1 ml of catalyst and per 1 hour. Table 2 gives the results. As the PAF may also contain a higher amount of 3-methyl butene-1 (up to 8%), its isomerization to 2-methyl butene-2 was studied. It was performed in a continuously working quartz apparatus filled with 10% $Al_2(SO_4)_3$ + 90% Al_2O_3 . Pure 3-methyl butene-1 was used for this purpose, which was obtained by treating the isoamyl alcohol dehydrated over aluminum oxide

Card 3/7