

S/028/60/000/05/012/027
D044/D006

25(6)
28(1)

AUTHOR: Kozhevnikova, Z.F.

TITLE: Multi-Disc Circular Shears

PERIODICAL: Standartizatsiya, 1960, Nr 5, p 35 (USSR)

ABSTRACT: The article is concerned with the "GOST 9303-59" standard giving specifications for multi-disc circular shears for cutting sheet metal into bands and strips. The new standard stipulates the thickness of sheets to be cut (from 0.1 to 4 mm) at a temporary resistance of 50 kg/mm². The number of simultaneous cuts when cutting 0.1, 0.63, 1.0, and 1.6 mm thick sheet will be 12, whereas the number when cutting 2.5 and 4 mm thick sheet at the above resistance will be 8. The new standard calls for a cutting speed of at least 180 m/min which greatly surpasses the present maximum speed of other Soviet circular shears, which is only 70 m/min. The new standard cannot be applied for those circular shears already built into existing rolling lines in metallurgical plants. The article also mentions the following standards: "GOST 8032-56"; "GOST 8596-57"; "GOST 8597-57". The first-mentioned "GOST 9303-59" standard, will

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D044/D006

Multi-Disc Circular Shears

promote production of high-capacity sheet cutting devices to match the best foreign models, bring order into the planning and manufacture thereof, and creating the prerequisites for their centralized production.



Card 2/2

KAYANOVICH, V.A.; KOZHEVNIKOVA, Z.I.; MIROPOL'SKAYA, I.L.; MIKHAYLOVA, N.P.;
FADEYEVA, A.I.; FOMICHEVA, D.N. (Gor'kiy)

Industrial hygiene and the health of women working with benzene.
Gig. truda i prof. zab. 2 no.1:26-31 Ja-F '58. (MIRA 11:3)

1. Insitut gigiyeny truda i profzaboelvanly i Meditsinskiy institut.
(BENZENE--TOXICOLOGY)
(LACTATION)

TROITSKIY, S.A.; KOLESNIKOVA, N.V.; KOZHEVNIKOVA, Z.I. (Gor'kiy)

Significance of antileukocytic autoantibodies in the pathogenesis
of benzene leukopenia. Gig.truda i prof.zab. 3 no.4:50-51
Jl-Ag '59. (MIRA 12:11)

1. Institut gigiyeny truda i profzabolevaniy.
(ANTIGENS AND ANTIBODIES)
(BENZENE--TOXICOLOGY)

KOZHEVNIKOVA, Z.I., inzh.; STARKOV, Kh.A., inzh.

Light scatterer for a portable battery-fed lamp. Svetotekhnika
9 no.7:29-30 J1 '63. (MIRA 16:7)

1. Vsesoyuznyy svetotekhnicheskiy institut.
(Electric lighting)

KOZHEVNIKOVA, Z.N.; ROLLE, Ye.N.; PUSHILOV, M.G.; BUTORINA, I.V.;
ZAV'YALOVA, M.A.; KARPOV, M.M.

Second Leningrad municipal conference of young surgeons. Vest.khir.
78 no.1:140-145 Ja '57. (MLRA 10:3)
(SURGERY)

KOZHEVNIKOVA, Z.N.

Late results of treating pseudarthrosis of the neck of the femur.
Trudy Len.gos.nauch.-issl.inst.travm.i ortop. no.8:109-122 '61.
(MIRA 15:8)

(PSEUDARTHROSIS) (FEMUR--FRACTURE)

KOZHIBSKIY T.

USSR/Microbiology. Antibiosis. and Symbiosis. Anti- F-2
biotics

Abstr Jour : Ref Zhur - Biol., No 14, 1953, No 62345

Author : Kozhibskiy T., Murylovich V., Koptskaya E.,
Kovshik Z.

Inst : -

Title : Recent Advances in Antibiotics. Transactions of
the International Symposium on Antibiotics.
Warsaw, 7-13 Feb., 1955

Orig Pub : Varshava, Gos. izd-vo Med. lit., 1956, 232pp. ill.

Abstract : No abstract

Card : 1/1

KOZHICH-ZELENKO, M. P.

Lithology of Carboniferous Deposits of the North Sector of Bol'shoy Donbass. Geologichniy zh., 13, No 23, 1953, 65-77 (Ukrainian, resume in Russian)

An exposition of the results of study of Voronezh Carboniferous in the Kursk and Voronezh Oblasts. According to rock type and mineralogical composition, the Middle Carboniferous is divided into two strata: sandy clay (above the Middle Carboniferous), and lower--limestone (below the Middle Carboniferous or above the Lower Carboniferous). The author gives the mineralogical characteristics of each stratum, and notes the appearance of glass (5-8% in the light fraction) in Novo-oskol' and Belays Gorka regions. (RZhGeol, No 1, 1954)

KOZHTIC (SECRET)

Summary of the upper Carboniferous deposit of the north-
west border of the Donbas (Donets coal field). M. P.
Kozhich, *Ukrainian Geol. Surv. Bull.* 1954, No. 10, p. 1-12.
The summary of the upper Carboniferous deposit of the north-
west border of the Donbas (Donets coal field) is given. Samples
were taken from a depth of 0-21 m. In the various strata
encountered the following minerals were identified: pyrite,
hydroxylite, hematite, magnetite, arsenic, galena, rutile,
tourmaline, and kyanite. In addition to these, in the heavy
fractions occur apatite, sphalerite, chalcocite, brookite, stannite,
illmanite, several sulfides, and epidote, and in the light
fractions quartz and various feldspars. The relative fre-
quencies of all these minerals for several sites are given.
Wierig, Jacobson

Handwritten initials or mark.

KOZHICH-ZELENKO, M.P. [Kozhych-Zelenko, M.P.]

"Introduction to methods of sedimentary rock research" by M.V.
Lohvynenko. Reviewed by M.P. Kozhych-Zelenko. Geol. zhur. 17
no.3:95 '57. (MIRA 11:2)

(Rocks, Sedimentary)
(Lohvynenko, M.V.)

KOZHICH-ZELENKO, M.P. [Kozhych-Zelenko, M.P.] ; KHOMENKO, V.A.

New correlation of middle Carboniferous sediments in the Dnieper-
Donets Lowland based on lithological data. Geol. zhur. 19 no.4:28-46
'59. (MIRA 13:1)

(Dnieper Lowland--Geology, Stratigraphic)
(Donets Basin--Geology, Stratigraphic)

KOZHICH-ZELENIKO, M.P. [Kozhych-Zelenko, M.P.]

Results of a comparison of the mineralogical composition of Upper Cambrian deposits of the Kelets-Sandomir Ridge and of western Volhynia. Dop.AN URSSR no.2:209-213 '60. (MIRA 13:6)

1. Institut geologicheskikh nauk AN USSR. Predstavleno akademikom AN USSR V.G.Bondarchukom [V.H.Bondarchukom].
(Ukraine--Mineralogy)

KOZHICH-ZELENIKO, M.P. [Kozhych-Zelenko, M.P.]

Upper Carboniferous sediments of the Shebelinka area. Dop. AN URSS
no. 9: 1290-1293 '60. (MIRA 13:10)

1. Institut geologicheskikh nauk AN USSR. Predstavleno akademikom
AN USSR V.G. Bondarchukom.
(Shebelinka Region--Geology, Stratigraphic)

KOZHICH-ZELETKO, M.P.; SHUL'GA, P.L.

Lithology and problems in the stratigraphy of Pre-Ordovician
deposits of western Volhynia. Izv. AN SSSR. Ser. geol. 25
no.9;41-51 S '60. (MIRA 13:9)

1. Institut geologicheskikh nauk AN USSR, Kiyev.
(Volhynia--Geology, Stratigraphic)

KOZHICH-ZELENO, Mariya Platonovna [Kozhych-Zelenko, M.P.]; LAPCHIK,
T.Yu. [Lapchik, T.IU.], kand.geol.-miner.nauk, otv.red.; SHITUL'MAN,
I.P., red.; CHEKHOVICH, N.Ya. [Chekhovych, N.IA.], red.;
KADASHEVICH, O.O. [Kadashevych, O.O.], tekhn.red.

[Lithology of Carboniferous sediments in the western part of the
Greater Donets Basin] Litologiya kam'ianovuhil'nykh vidkladiv
zakhidnoho sektora Velikoho Donbasu. Akad. Vydavnytstvo Akad.-
nauk URSR, 118 p. (Akademia nauk URSR, Kiev. Instytut geologichnykh
nauk. Trudy. Seriya stratygrafii i paleontologii, no.24.).

(MIRA 15:5)

(Donets Basin--Rocks, Sedimentary)

SHUL'GA, P.L.; KOZHICH-ZELENIKO, M.P.

Boundary of the Devonian and carboniferous of the Volin'-
Podolian part of the Russian Platform. Izv. AN SSSR Ser. geol.
30 no.1&102-115 Ja '65 (MIRA 18&2)

1. Institut geologicheskikh nauk, Kiyev.

KOZHICH-ZELENIKO, M.P.

Maks Viktorovich Fremd; 1893-1963; obituary. Geol. zhur. 24 no.2:
112 '64 (MIRA 18:2)

Kozhikashvily, V. A.

Report to be presented at the 1st Intl Congress of the Intl Federation of Automatic Control, 23 Jun-5 Jul 1960, Moscow, USSR.

AMIRIN, P. I. - "Compensating thermo-magnetic gas analyzers"
 ANDRIY, E. I. - "Method of determining the optimum dynamic system according to the criterion of the functional extra, which is a given constant of several other functions"
 AIZENBERG, I., and MARCHENKO, P. P. - "Some problems of the theory of nonlinear systems of automatic regulation with discontinuous characteristics"
 MARCHENKO, P. P. - "Concerning the organization of the LIAPOUNOV function for nonlinear systems"
 MARCHENKO, P. P. - "Graphic methods of synthesis of nonlinear systems of automatic regulation"
 MARCHENKO, P. P. - "Problems of the application of high liquid pressures for automatic systems"
 MARCHENKO, P. P., and K. I. - "The theory of stability of regulation systems"
 MARCHENKO, P. P. - "Polycordinate nonlinear interpolator for programs control of machines"
 MARCHENKO, P. P., and K. I. - "Pneumatic alloy systems"
 MARCHENKO, P. P., and K. I. - "The theory of stability of regulation systems"
 L. V., RYKOVA, G. A. - "Automatic electric drive of the propeller installation of the atomic icebreaker"
 KRIVONOS, V. A., and FRODOV, S. M. - "Application of the equivalent logarithmic frequency curve method"
 KILIK, B. V., KOSYKOV, V. A., and PRIZHIVALOV, I. V. - "Contactless telemechanical systems with temporary separation of channels"
 KOSYKOV, V. A., and PRIZHIVALOV, I. V., KOSYKOV, I. P., and PRIZHIVALOV, I. B. - "The maximum principle in the theory of optimum control processes"
 KOSYKOV, I. P. - "Automated electric drives of a metallurgical plant"
 KOSYKOV, I. P. - "Automatic regulation of froth-layer processes in nonferrous metallurgy"

BUZLANOVA, M.M.; KOZHIKHOVA, N.A.; POLYANSKIY, N.G.

Use of mercuric sulfate in quantitative analysis of olefins
and tertiary alcohols. Report No. 2. Determination of
tertiary amylenes. Zhur. anal. khim. 18 no.9:1125-1127
S '63. (MIRA 16:11)

1. Scientific-Research Institute of Synthetic Alcohols and
Organic Products, Branch in Novokuybyshevsk.

KOZHUKHOVA, V. G.

ONEGOV, A. P.: (Professor) and

KOZHUKHOVA, V. G.: (Kirov Agricultural Institute)

"Cathetermometric indices for ascertaining microclimate in farm animal quarters."

SO: HYGIENE OF AGRICULTURAL ANIMALS, Proceedings of the XXIX Plenum of the Veterinary Section of the Academy, P. 129, Moscow 1950, Trans. 191, by L. Lulich.

X KATHETERMOMETER

uncl

1. KOZHIKOV, A. P.
2. USSR (600)
4. Water, Distilled
7. Automatic apparatus for obtaining distilled water. Khim. v shkole no. 5, 1952.

9. Monthly List of Russian Accessories, Library of Congress, February 1953, Unclassified.

KOZHIKOV, A.P. (Moscow)

Apparatus for the preparation of hydrochloric acid, ammonia, and
other aqueous solutions of gases. Khim. v shkole 10 no.1:56-57
Ja-F '55: (MIRA 8:4)
(Chemical apparatus)

KOZHIKHOV, P. N., Cand Agr Sci -- (diss) "Development of typical fodder rations for Kalininskiy meat-and-wool sheep." Moscow, 1959. 19 pp; (All-Union Order of Lenin Academy of Agricultural Sciences im V. I. Lenin, All-Union Scientific Research Inst of Animal Husbandry); 150 copies; price not given; (KL, 17-60, 163)

KOZHIKOV, S.

Communication and Traffic - Kazakhstan

"District communications office". V pom. profaktivu, 13, No. 12. 1952.

Monthly List of Russian Accessions, Library of Congress, August 1952. UNCLASSIFIED.

CHACHKO, A., inzh.; KOZHIN, A., inzh.

Project of a control panel for high-capacity power supply
blocks. Tekh.est. 2 no.12:12-15 D '65.

(MIRA 19:1)

1. Kiyevskiy institut avtomatiki Ministerstva priborostroyeniya.

KOZHIN, Aleksey Ivanovich; CHERNENKO, K.A., otvetstvennyy redaktor;
DOBROVOL'NOVA, T.I., tekhnicheskiiy redaktor

[In the mountains and valleys of Vietnam] V gorakh i dolinakh
V'etnama. Moskva, Gos. izd-vo detskoj lit-ry Ministerstva prosve-
shchenia RSFSR, 1956. 157 p. (MIRA 10:1)
(Vietnam—Description and travel)

KOZHIN, A.M., mayor meditsinskoy sluzhby, kandidat meditsinskikh nauk.

Loss of vitamin C in vegetables and other food products during
preservation and cooking. Voen-med. zhur. no.2:64-67 F '56
(MLRA 10:5)

(VITAMIN C, determination,
in vegetables, eff. of preserv. & cooking) (Rus)

(VEGETABLES,
vitamin C, eff. of preserv. & cooking) (Rus)

27.2700

39916

S/044/62/000/007/096/100

C111/C333

AUTHORS: Tsukerman, B. G., Kozhin, A. M., Pakhomov, A. F.

TITLE: The influence of noise on the reading of scales on control and measuring equipments

PERIODICAL: Referativnyy zhurnal, Matematika, no. 7, 1962, 81, abstract 7V397. ("Dokl. Akad. ped. nauk RSFSR", 1961, no. 3, 87-90)

TEXT: The paper deals with an experimental examination of the influence of short - not fatigue causing - noises without signal character on the receptivity of optical information imparted by control and measuring equipments. Method: The scale of the apparatus was exposed by the test person with the help of a shutter tachistoscope; in some trials short (0.5 seconds) expositions were given, in other the test person closed the shutter of the tachistoscope himself after reading off the information. The following results were obtained: 1) White noises of a non-signal type having the intensity of 90 decibels and lasting 10 minutes have no influence on the reading of the information. The speed and exactness of the reading change only after a 15-20 minute noise influence. 2) The decrease in the speed and exactness of the reading

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The influence of noise on the . . . S/044/62/000/007/096/100
C111/C333
with the increasing duration of the noise points to a fatiguing effect.
3) The influence of the noise is noticeable in stronger measure when
reading more complex (for the perception) information from the control
and measuring equipments.

[Abstracter's note: Complete translation.]

Card 2/2

L-22463-65 Pb. 4 AMD

ACCESSION NR: AP5003670

S/0286/65/000/001/0029/0029

AUTHOR: Koshin, A. M.; Tepin, G. F.

TITLE: A device for investigating and training the visual perception of rotational velocity. Class 30, No. 167274

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 1, 1965, 29

TOPIC TAGS: visual training, rotation, rotational velocity, angular motion, visual analyzer, training device

ABSTRACT: An Author Certificate has been issued for a device for investigating and training visual perception of rotational velocity, composed of a frame, a reversible electric drive, and an electromagnetic brake. For determining rotational velocity, the device is provided with a rotating pointer, a circular screen with an open segment, a scale graduated in units of rotational velocity, a mechanism for stopping the pointer at any position, and an indirect lighting system which is situated on the closed portion of the circular screen and projects the shadow of the pointer onto the scale. A variation

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L 22463-65

ACCESSION NR: AP5003670

of the above is designed for the purpose of obtaining uniform signal feed and determining the threshold value of the tested function during one pass of the pointer. It is provided with a mechanism for returning the pointer to the original position. Another variation of the device is provided with a chin and forehead rest and a fixation point for investigating peripheral visual perception of rotational velocity. A final variation provides for investigating the ability of the subject to perceive linear velocity by providing detachable circular scales of various diameters. Orig. art. has: 1 figure. [CD]

ASSOCIATION: none

SUBMITTED: 02Mar64

ENCL: 01

SUB CODE: PH, LS

NO REF SOV: 000

OTHER: 000

ATD PRESS: 3268

Card 2/3

L 22463-65

ACCESSION NR: AP5003670

ENCLOSURE: 0.

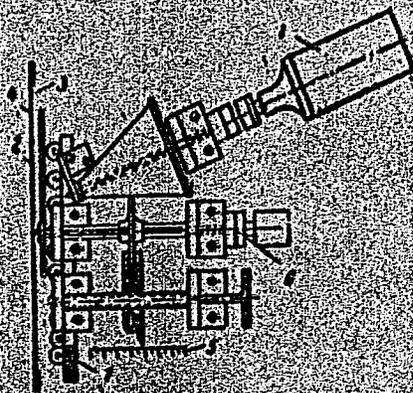


Fig. 1. Device for measuring rotational velocity

- 1 - Electric drive; 2 - pointer; 3 - screen;
- 4 - open segment of the screen; 5 - angular velocity scale; 6 - electromagnetic brake; 7 - indirect lighting system.

Card 3/3

AUTHOR KOZHIN A.N., Ing. PA - 3106
TITLE Relay Protection of a Regulating Autotransformer.
(Zashchita regulirovochnogo avtotransformatora -Russian)
PERIODICAL Elektrichestvo, 1957, Vol?, Nr 5, pp 52 - 56, (U.S.S.R.)
Received 6/1957 Reviewed 7/1957
ABSTRACT This article concerns the protection of regulating autotransformers from interphase damages and short circuits between the completion of the phases of its secondary winding. It is shown that protection mechanisms which exhibit current relays with brake characteristics have a series of advantages against those with blocking current relays. The protection with brakes possesses a sufficient sensitivity in connection with damages in regulating autotransformers or in transformers. With several types of regulating autotransformers only a protection mechanism with brakes can be employed. The use of relays with a brake characteristic permits the reliable elimination of currents of maximal short circuits and those working under load. The protection mechanism with braking is quick working. To work it out one needs far less apparatus than those with a blocking relay.
With 6 ill. and 1 Slavic reference.
ASSOCIATION Teplo Elektroproject
PRESENTED BY
SUBMITTED 23.3.1956
AVAILABLE Library of Congress
Card 1/1

DORODNOVA, T.N., inzh.; KOZHIN, A.N., inzh.

Calculation of differential-phase protection of 110-220 kv. bus lines.
Elek. sta. 35 no.9:77-82 S '64. (MIRA 18:2)

KOZHIN, Andrey Nikolayevich; SEMENOV, V.A., red.; BORUNOV, N.I., tekhn.
red.

[A.c. relay protection of 3 to 10 kv, electric lines] Releinaia
zashchita linii 3 - 10 kv. na peremennom operativnom toke. Mo-
skva, Gos. energ. izd-vo, 1960. 61 p. (Biblioteka elektrontera,
no.38) (MIRA 14:7)
(Electric protection) (Electric power distribution)

KOZHIN, A.N., inzh.

Short-circuit to ground protection at a certain point in the excitation network of a hydrogenerator. Elek. sta. 34 no.6:42-44 Je '63.
(MIRA 16:9)

(Turbogenerators)

L 9828-66 EWA(h)

ACC NR: AP6003970

SOURCE CODE: UR/0104/65/000/005/0093/0093

AUTHOR: Sarkisov, M. A.; Rokotyan, S. S.; Uspenskiy, B. S.; Sharov, A. N.;
Zhulin, I. V.; Fedoseyev, A. M.; Korolev, M. A.; Khevyta, M. E.; Yermolenko, V. M.;
Petrov, S. Ya.; Azar'yev, D. I.; Krikunchik, A. B.; Polyakov, I. P.; Sazonov, V. I.;
Khvoshchinskaya, Z. G.; Kartsev, V. L.; Smelyanskaya, B. Ya.; Kozhin, A. N.;
Losev, S. B.; Dorodnova, T. N.; Rubinchik, V. A.; Smirnov, E. P.; Rudnan, A. A.

ORG: none

TITLE: Abram Borisovich Chernin

SOURCE: Elektricheskiye stantsii, no. 5, 1965, 93

TOPIC TAGS: electric engineering, electric engineering personnel

ABSTRACT: An engineer since 1929, A. B. Chernin has worked for years in developing new techniques and equipment for relay protection of electric power systems. In this 60th birthday tribute, he is credited with leading the group which produced the directives on relay protection, contributing to the development of a method for calculating transient processes in long distance 400-500 kv power transmission lines and with aiding in planning of the electric portions of power stations, substations and power systems. The results of his engineering and scientific work have been published 46 times, he is a doctor of technical sciences (since 1963), and has taught for 30 years at the Moscow Power Institute. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09 / SUEM DATE: none

HW
Card 1/150
B

KOZHIN, A.P., kand.ekon.nauk

Distribution method of linear programming used in planning the
operations of automotive transportation: Trudy MIEI no.16:52-67
'61. (MIRA 14:12)
(Transportation, Automotive)

OVES, I.S., kand.tekhn.nauk; MITTEL'SHTEYN, M.G., inzh.; SINITSKIY, A.Z.; KHODOSH, M.S.; KOZHIN, A.P., kand.ekon.nauk, nauchnyy red.; GERASIMOVA, G.S., red. izd-va; RODIONOVA, V.M., tekhn. red.

[Practice and effectiveness of centralized transportation of construction materials in Moscow] Opyt i effektivnost' tsentralizovannykh perevozok stroitel'nykh грузов v Moskve. Moskva, Gosstroizdat, 1962. 166 p. (MIRA 15:7)
(Moscow--Building materials--Transportation)

KOZHIN, A. E.

"Sex expression and Varieties of Sexual types in flowering plants," (p. 355) by A. E. Kozhin.

SO: Journal of General Biology (Zhurnal Obschei Biologii) Volume II No. 3, 1941.

KOZHIN, A. Ye

21880 KOZHIN, A. Ye

O podnyatii urozhaynosti tungouykh
plantatsiy. Seleksiya; semenovodstvo, 1949, No 7, s. 71-73

SO: Letopis' Zhurnal'nykh Statey, No. 19, Moskva, 1949.

KOZHIN, A.Ye.

Outline history of greenhouse and conservatory cultivation of
plants during the 17th-19th centuries in Russia. Trudy Bot.
inst. Ser.6 no.4:27-52 '55. (MLRA 9:2)
(Greenhouses)

Kozhin, A. Ye.

USSR/Cultivated Plants - Subtropical. Tropical.

K.

Abs Jour : RLF Zhur - Biol., No 10, 1958, 44365

Author : Kozhin, A. Ye.

Inst : AS USSR

TITLE : The History of Tea Culture Prior to the October Revolution.

Orig Pub : V sb.: Materialy po istorii narodnogo SSSR, sb. 2, M.-L. AN SSSR, 1956, 706-724.

Abstract : No abstract.

Card 1/1

KOZHIN, G.

Probability Theory (3763)
Voyenny vestnik, No 1, 1953, pp 49-54
Kozhin, G.

Study of Probability Theory

(No abstract given.)

So: Moscow, Referativnyy, Zhurnal -- Matematika No 6, 1954 W-31059

KOZHIN, G.

Who is more sharp-sighted? Voen. znan. 42 no.1:12 Ja '66.
(MIRA 19:1)

~~KOZHIN, G.~~

Urban finance department's faithful aids. ^{Fin}SSSR 37 no.2:55-
56 F '63. (MIRA 16:2)

1. Starshiy neshtatnyy inspektor Tiraspol'skogo gorodskogo
finansovogo otdela.
(Tiraspol'—Auditing and inspection)

KOZHIN, I.L., inzh.; TRIDUB, V.K., inzh.

New stacker crane. Mekh. i avtom. proizv. 18 no.1:31-32
Ja '64. (MIRA 17:8)

KOZHIN, I.L., Inzh.; TRIBUS, V.K., Inzh.

Mechanized sieve storage. Mashinostroyeniye no.3:91-92 Ky-Je '64.
(MIRA 17:11)

FEDOROVICH, M.M., prof.; CHEREYSKAYA, N.N., dots., kand. ekon. nauk; NELIDOV, I.Ye., dots., kand. tekhn. nauk; KOZHIN, L.P., kand. ekon. nauk; RUMYANTSEVA, Z.P., dots., kand. ekon. nauk; BUGROV, Ye.P., doktor tekhn. nauk, prof.; SKVORTSOVA, N.T., kand. ekon. nauk; FEDOROVICH, M.M., prof., red.; PETRUSHEV, I.M., red.; PONOMAREVA, A.A., tekhn. red.

[Mathematical methods in production planning] Matematicheskie metody v planirovani proizvodstva. Moskva, Izd-vo ekon. lit-ry, 1961.
150 p. (MIRA 14:8)

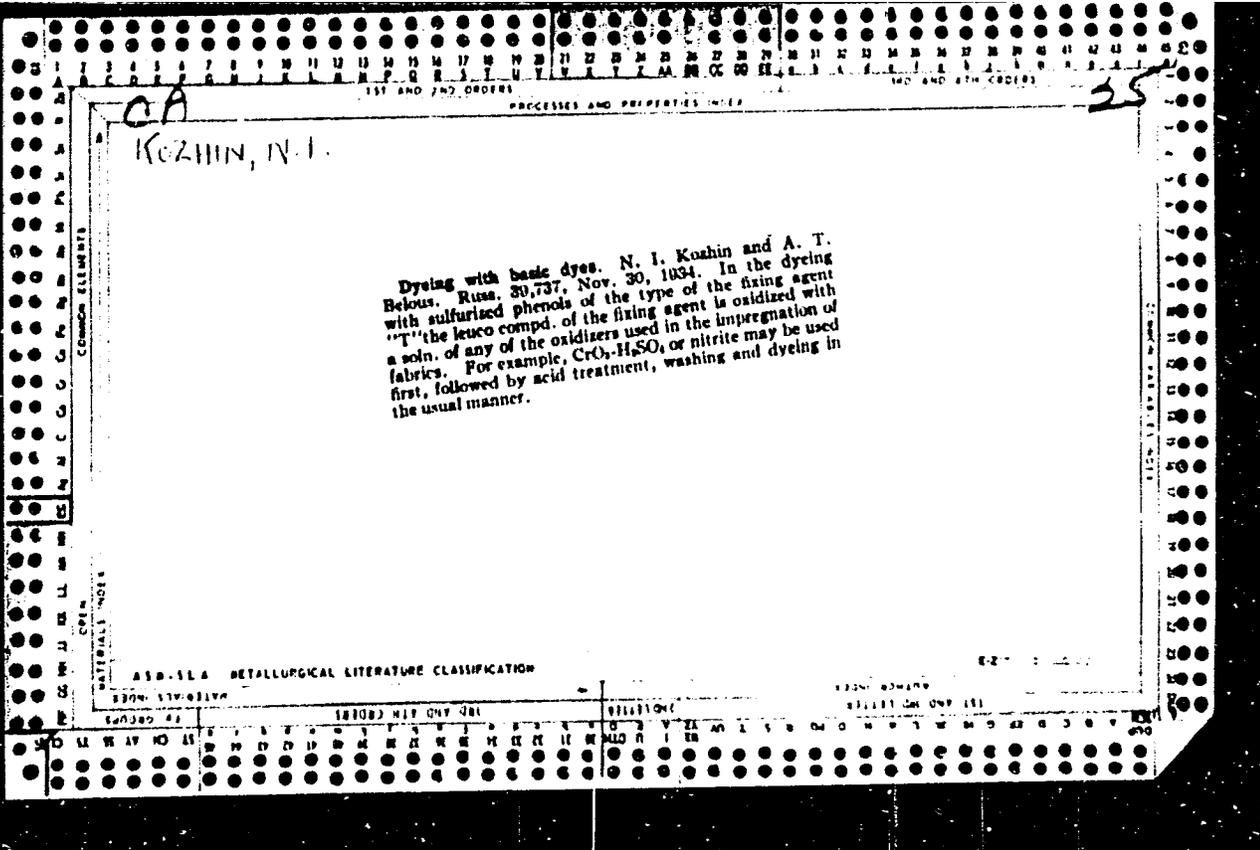
1. Moskovskiy inzhenerno-ekonomicheskiy institut im. S.Ordzhonikidze
(for Fedorovich, Chereyskaya, Nelidov, Kozhin, Rumyantsev, Bugrov,
Skvortsova)

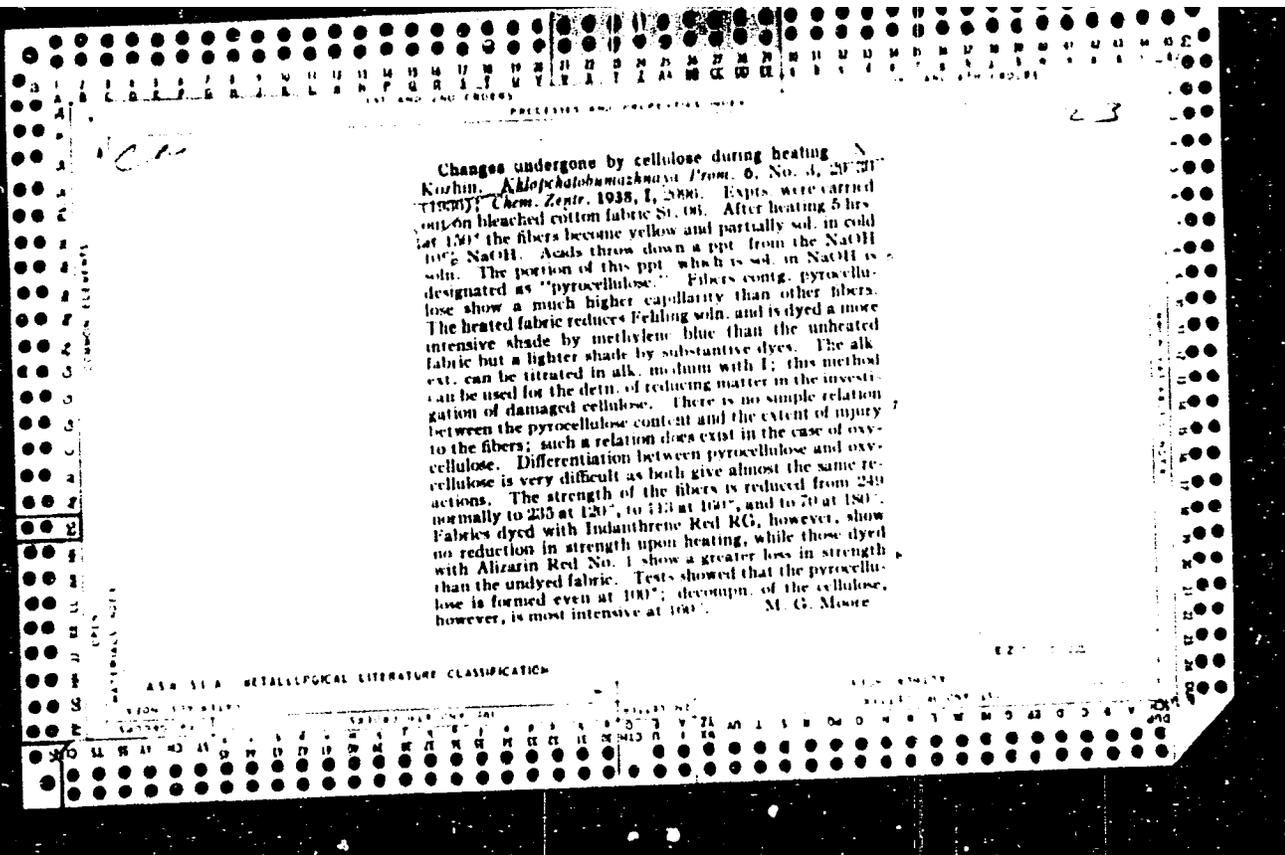
(Economics, Mathematical)

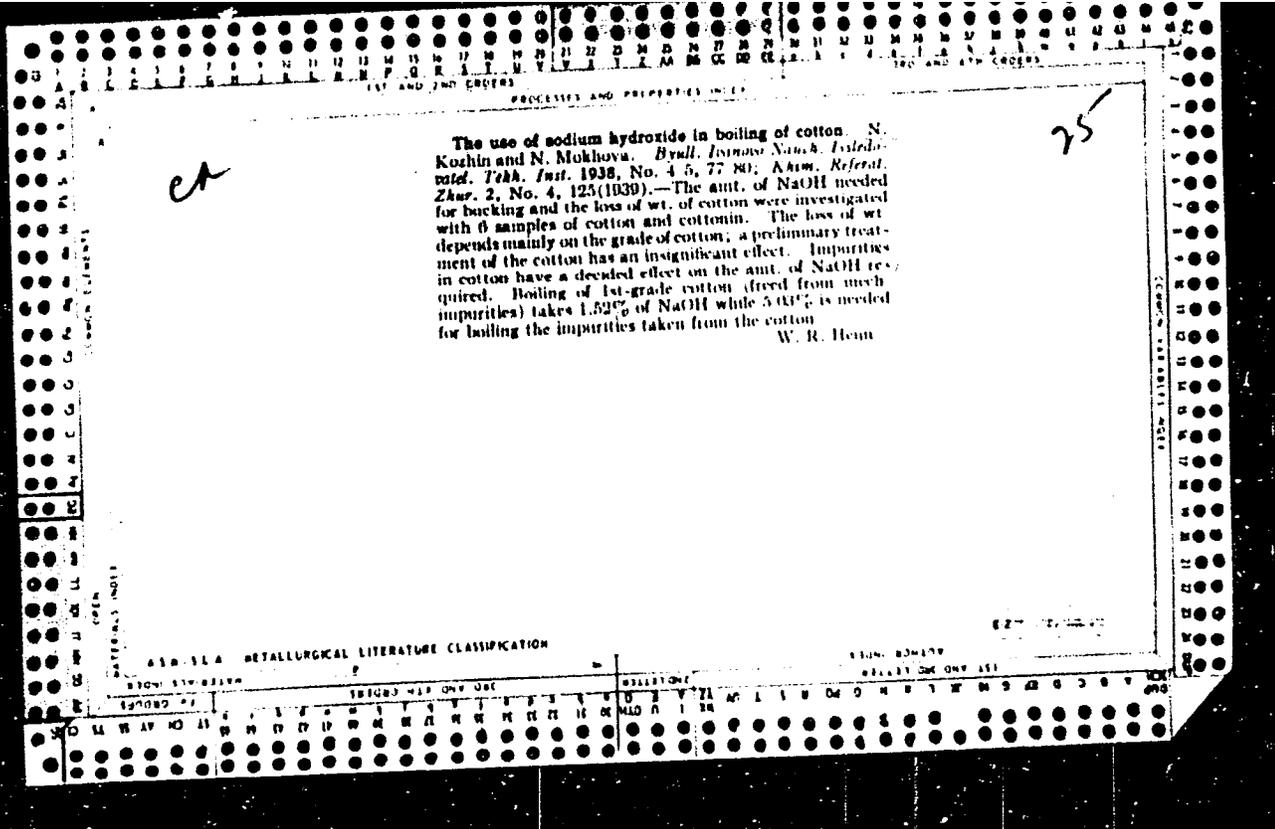
KOZHIN, M.G.

Unloading railroad gondolas and hoppers with the aid of an electric
jack. Khim.prom. no.1:49-50 Ja-F '54. (MLRA 7:4)

1. Zavod "Krasnyy khimik".
(Loading and unloading) (Lifting jacks)







KOZHIN, N.I., inzhener.

Principles of finishing corduroy. Tekst.prom.16 no.12:29-33 D^o56.

(MIRA 10:1)

(Cotton finishing)

KOZHIN, N.I., inzhener.

Principles of corduroy finishes. Tekst.prom.17 no.1:28-32 Ja '57.
(Cotton finishing) (Dyes and dyeing--Cotton)

KOZHIN, N. I.

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DLC: QL634.S6K6

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MLC: Unclass.

So: LC, Soviet Geography, Part II, 1951/Unclassified

13G40

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"Soviet Fish Economy Science, Its Development and
Progress during Thirty Years," Prof N. I. Kozhin, 9 pp

"Rybnoye Khoz" Vol XXIII, No 11

Describes development of science and research on all
aspects of fish industry during past 30 years, and
names many related institutions and personalities and
their work.

LC

13G40

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FISH CULTURE

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(Kura River--Fisheries)

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N.I., professor, retsenzent; NIKOL'SKIY, G.V., professor, retsenzent;
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Reproduction of fish stocks of the Caspian Sea in connection with
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[Biological foundations of artificial fish culture; a historical outline] Biologicheskie osnovy iskusstvennogo ryborazvedeniia; istoricheskii ocherk. Moskva, Izd-vo Akad. nauk SSSR, 1962. 243 p. (MIRA 16:3)

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morskogo rybnogo khozyaystva i okeanografii. Vsesoyuznyy
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1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii.

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Improve the quality of feeding stuffs. Veterinariia 33 no.10:16-18
O '56. (MIRA 9:10)

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niya sel'skogo khozyaystva.
(Feeding and feeding stuffs)

KOZHIN, P.Ye.

The production of nutritious feed is a most important factor in prosperity in stockbreeding. Veterinariia 35 no.9:36-41 S '58.

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(Feeding and feeding stuffs)

ALIKAYEV, V.A., dots.; KOZHIN, P. Ye.

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26
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~~25~~-14

Kozhin, S. A.

AUTHORS: Pigulevskiy, G. V., and Kozhin, S. A. 51-6-19/25

TITLE: Pulsating Vibration Frequencies of the Ring in Raman Spectra of Alcohols of the n-Menthane Series.
(Chastoty pul'satsionnogo kolebaniya kol'tsa v spektrakh kombinatsionnogo rasseyaniya sveta spirtov ryada n-mentana.)

PERIODICAL: Optika i Spektroskopiya, 1957, Vol. III, Nr. 6, pp. 658-659. (USSR)

ABSTRACT: In the study of catalytic hydration of menthene oxides (Ref.1), Raman spectra of secondary and tertiary monocyclic terpene alcohols were obtained. The position of an intense line in the region $700-800\text{ cm}^{-1}$ was of special interest since this line is due to pulsating vibration of a 6-member ring. On comparison of spectra of secondary alcohols (table on p.659) it was found that the position of the pulsating vibration line depends on the spatial distribution of substituents. In the spectra of l-menthol and l-carvomenthol this line occurs at about 770 cm^{-1} .

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51-6-19/25

Pulsating Vibration Frequencies of the Ring in Raman Spectra of Alcohols of the n-Menthane Series.

In the spectrum of d-neocarvomenthol, this line occurs at 750 cm^{-1} . The corresponding line for d-neodihydrocarveol occurs also at about 750 cm^{-1} . This suggests that of the studied secondary alcohols the neo-alcohols have lower pulsating vibration frequencies. In the infrared absorption spectra of stereoisomeric menthols (Ref.4) a similar behaviour is observed: in the spectra of neo-series alcohols a band of a lower frequency ($760\text{--}758\text{ cm}^{-1}$) occurs. The observed behaviour may be explained as follows. In molecules of stereoisomeric menthols and similar secondary alcohols methyl and isopropyl (or isopropenyl) groups occur in positions 1 and 4. Therefore the frequency of pulsating vibration in spectra of these compounds is determined primarily by the special distribution of the hydroxyl group at the second or third carbon atom. This is fully confirmed by the experimental results obtained. In the spectra of neo-series alcohols in which the hydroxyl group is in the axial position, the pulsating frequencies are lower than in the spectra

Card 2/4

Pulsating Vibration Frequencies of the Ring in Raman Spectra of Alcohols of the n-Menthane Series. 51-6-19/25

of alcohols in which the hydroxyl group has the equatorial position. In the spectra of tertiary monocyclic alcohols of terpene series the pulsating vibration lines have considerably lower frequencies (720 cm^{-1}) than in the secondary alcohol spectra. A strong decrease of the pulsating vibration frequency occurs in molecules in which two substituents are present at the same carbon atom. In such cases one of the two substituents and a tertiary carbon atom must occupy the axial position. This disturbs the molecular symmetry and causes a strong decrease in the frequency of the pulsating vibration of the molecular ring. The effects reported in this note may be used in chemical analysis. Some of the spectra were measured by V. G. Kostenko. There is 1 table and 10 references, of which 2 are Russian, 1 English, 3 French, 2 Belgian and 2 of unknown origin.

Card 3/4

Pulsating Vibration Frequencies of the Ring in Raman Spectra of
Alcohols of the n-Menthane Series. 51-6-19/25

ASSOCIATION: Leningrad State University. (Leningradskiy
gosudarstvennyy universitet.)

SUBMITTED: April 29, 1957.

AVAILABLE: Library of Congress.

Card 4/4

KOZHIN S.A.

FIGULEVSKIY, G.V.; KOZHIN, S.A.

Catalytic hydration of menthene oxides. Zhur. ob. khim. 27 no.3:803-815 Mar.'57 (MLRA 10:6)

1. Leningradskiy gosudarstvennyy universitet.
(Carvomenthene) (Menthene)

79-28-5 68/69

AUTHORS: Pigulevskiy, G. V., Kozhin, S. A., Kostenko, V. G.

TITLE: Reduction of the Monoxide-Limonene With the Aluminumhydride of Lithium (Vosstanovleniye monookisi limonena alyumogidridom litiya)

PERIODICAL: Zhurnal Obshchey Khimii, 1950, Vol 28 Nr 5, pp. 1413 - 1415 (USSR)

ABSTRACT: The catalytic hydration of the α -oxides of the terpene series into the corresponding alcohols takes place very difficultly and only with side processes, as was stated already earlier by the authors (Reference 1). The reduction of the oxides with the aluminumhydride of lithium (LiAlH_4) offers a more convenient method for transforming α terpene oxides into alcohols, if it is not accompanied by side processes. As a basis for the present investigation the monooxide of limonene (Oxyd-1,2-*p*-menthen-8,9) was used which was first synthesized by H. A. Prilezhayev (Reference 2). In the reduction of this oxide with LiAlH_4 only alcohols formed, namely, *d*-neodihydrocarveol

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79-28-5-68/69

Reduction of the Monooxide Limonene With the Aluminumhydride of Lithium

of high symmetric purity, and β terpineol. Both alcohols were characterized by corresponding derivatives. Besides, additional combination diffusion spectra were taken. Thus it was found that the reduction of the monooxide of limonene with LiAlH_4 with opening of the oxide ring into both directions

takes place under the formation of a tertiary alcohol of β -terpineol and of a secondary one of d-neodihydrocarveol. In the work by Holub, Herout, Sorn (Reference 5), these authors seem to have neglected this circumstance, namely, that in the reduction of the monooxide of limonene, besides β -terpineol, also the neodihydrocarveol had formed. There are 10 references, 5 of which are Soviet.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

SUBMITTED: May 6, 1957

Card 2/2

SOV/79-28-6-50/63

AUTHORS: Pigulevskiy, G. V., Kozhin, S. A., Kostenko, V. G.

TITLE: On the Problem of the Reduction of 1-Methylcyclohexene-1-Oxide (K voprosu o vosstanovlenii okisi 1-metiltsiklogeksena-1)

PERIODICAL: Zhurnal obshchey khimii, 1958, Vol. 28, Nr 6, pp. 1656-1658 (USSR)

ABSTRACT: The reduction of the 1-methylcyclohexene-1-oxide by means of lithiumaluminum hydrate (LiAlH₄) published by Mousseron and his collaborators (Mousseron) (Ref 1) attracted the attention of the authors who carried out a reduction of 1-limonene monoxide on the same conditions; on this occasion they also obtained a secondary alcohol, the d-neodihydrocarveol of high asymmetric purity besides the only tertiary alcohol of 1-methylcyclohexanol-1 as mentioned by those authors. Both alcohols formed in the same quantities. This somehow unexpected course of reaction caused the authors to check most exactly the data supplied by Mousseron and his collaborators, as they had in view the analogy of the two oxides. The reduction of the oxide of 1-methylcyclohexene-1 was repeated

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SOV/79-28-6-50/63

On the Problem of the Reduction of 1-Methylcyclohexene-1-Oxide

with special attention being paid to the purity of the initial products. The combination diffusion spectra were used for the characterization of the investigated products. The methylcyclohexene-1 necessary for the production of the oxide was produced by the dehydration of the 1-methylcyclohexanol-1 by means of the p-toluene sulfochloride in pyridine solution; this had a favorable effect on the further course of the investigation (yield 68%). The investigation of the spectra undoubtedly pointed to the similarity of the synthesized hexene. The oxide of this 1-methylcyclohexene-1-obtained by oxidation with acetylhydrogen peroxide ($\text{CH}_3\text{CO-O-OH}$) was identical to that synthesized by Mousseron. The results of the reduction of 1-methylcyclohexene-1-oxide with LiAlH_4 proved completely the result mentioned in (Ref 1). The only reduction product is the tertiary alcohol of the 1-methylcyclohexanol-1; this could also be supported by spectral analysis by the spectrum line characteristic for tertiary alcohols in contrast to that of secondary ones. Thus the dehydration of 1-methylcyclohexanol-1 by means of p-toluene sulfochloride can be regarded as a convenient method for the synthesis of the individual 1-methylcyclohexene-1.

Card 2/3

807/79-28-6-50/53

On the Problem of the Reduction of 1-Methylcyclohexane-1-Oxide

There are 6 references, 2 of which are Soviet.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet
(Leningrad State University)

SUBMITTED: May 6, 1957

1. Cyclohexane derivatives--Synthesis

Card 3/3

Reduction of Δ^3 -Menthene Oxide by Lithium Aluminum
Hydride

SOV/79-29-6-60/72

products of reduction of the Δ^3 -menthene oxide varies also according to the conditions of the reduction. In all cases the corresponding alcohols result as main products: menthanol-4 and one of the stereoisomeric menthanols-3 of the neo-series, probably neo-isomenthol. During the reduction under standard conditions menthanol-4 (70 % yield) is the main product, whereas in the reduction under more rigorous conditions menthanol-3 (70 %) prevails. Menthanol-4 was characterized by the synthesis of phenyl urethane and by the spectroscopic comparison. For the identification of the secondary alcohol formed in the reduction of Δ^3 -menthene oxide, its p-nitro-benzoate was synthesized, which corresponds, according to reference 9, to the p-nitro-benzoate of the dl-neo-isomenthol. In virtue of the results obtained it is assumed that Δ^3 -menthene oxide is a mixture of stereoisomers, which due to steric factors may be reduced more or less easily by LiAlH_4 and which accounts for the varying composition of the reduction products. Additional, more detailed examinations will follow. There are 10 references, 3 of which are Soviet.

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Reduction of Δ^3 -Menthene Oxide by Lithium Aluminum Hydride SOV/79-29-6-60/72

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

SUBMITTED: May 25, 1958

Card 3/3

KOZHIN, S.A.; YAKIMOVICH, S.I.; FIGULEVSKIY, G.V.

Reduction of pulegone oxide by lithium aluminum hydride. Zhur. ob.
khim. 32 no.7:2368-2371 JI '62. (MIRA 15:7)

1. Leningradskiy gosudarstvennyy universitet.
(Menthenone) (Aluminum lithium hydride)