"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I. (g. Vorkuta)

Special privileges of workers of the Far North in drawing relief for temporary disability. Sov.profsoiuzy 4 no.1:59-69 Ja '56. (Russia, Northern--Insurance, Social) (MLRA 9:4)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

1. KOROLEV, I.

2. USSR (600)

4. Roofing

7. Method for roofing with narrow shingles and reduced use of nails. Sel'.stroi. 7 no. 5. 1952

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

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I.

KOROLEV, I.

Fire prevention must not lag behind the growth of cities. Posh. delo 4 no.1:15 Ja '58. (MIRA 11:1)

1. Predsedatel' ispolkoma Kokchetavskogo gorodskogo soveta deputatov trudyashchikhsya.
(Kokchetav--Fire prevention)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I. (Moskva, Leninskiy rayon)

A factory brigade. Pozh.delo 5 no.7:7 Jy '59.
(MIRA 12:9)
(Moscow--Factories--Fires and fire prevention)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I., inzh.

Die stamping the parts of a bucket chain for dredging machines.
Rech.transp. 19 no.1:48-49 Ja '60. (MIRA 13:5)
(Dredging machinery) (Sheet-metal work)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I.

Our duty. Okhr.truda i sots. strakh. 5 no.2:13 F '62.
(MIRA 15:2)

1. Sekretar' Volgogradskogo gorodkogo komiteta Kommunisticheskoy partii Sovetskogo Soyuza.
(Volgograd--Industrial hygiene)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

MURAV'YEV, S., brigadir; DENNIK, F.; KOLESOV, O.; TOROPCHIN, S.; KOROLEV, I.; AGZAMOV, D., gornyy master

To live and work the communist way. Sov.shakht. 10 no.12:4-11 D '61. (MIRA 14:12)

1. Zhakhta No.1 "TSentral'naya" tresta Krasnoarmeyskugol' (for Murav'yev). 2. Zamestitel' sekretarya partorganizatsii Shakhty No.1 "TSentral'naya" tresta Krasnoarmeyskugol' (for Dennik). 3. Nachal'nik shakhty "Kommunist-Novaya" tresta Oktyabr'ugol' (for Kolesov). 4. Predsedatel' komiteta profsoyuza shakhty "Kommunist-Novaya" tresta Oktyabr'ugol' (for Toropchin).
(Coal miners)

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S/006/61/000/003/001/003
B116/B203

9.5300 (Incl. 2105, 2605)

AUTHORS: Popov, Yu. V., Adrianova, I. I., and Korolev, I. A.

TITLE: Small-size optical range finder of the GDM type combined with a theodolite

PERIODICAL: Geodeziya i kartografiya, no. 3, 1961, 7-13

TEXT: Optical range finders of the ГД(GD) series developed earlier at the GOI made use of the most efficient interference and diffraction light modulators. Later on, the optical system was greatly simplified, thus permitting a combination of the optical system of the range finder with a theodolite. The electric circuit was improved by frequency transformation in a photomultiplier. A model of a small-size optical range finder combined with a theodolite was built on the basis of these improvements. This ГДМ(GDM) range finder was developed to measure long distances and angles, and is described in the present paper. It makes use of a diffraction light modulator with several ultrasonic transmitters (Ref. 7, footnote on p. 7: Yu. V. Popov, I. I. Adrianova. Difraktsionnyy modulyator sveta. (diffraction light modulator). Author's certificate no. 124467.). Fig. 1 shows the path of

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

rays in the modulators used in GD range finders. Fig. 2 presents a diagram of the GDM optical range finder. The optical system of the light modulator consists of only three elements: the source of light S, the objective L_1, and the modulator M. The optical system is attached as a block above the telescope of a ТБ-1 (TB-1) theodolite. The telescope also serves to receive light for the range finder. In the focal plane of the telescope, there is a Д(D) iris diaphragm from which the light beam passes to the eyepiece and, through prisms P_2 and P_3, to the cathode of the ФЭУ-17 (FEU-17) photoelectron multiplier. The latter is attached below the theodolite telescope. Thus, the theodolite remains unchanged, and the optical range finder is only an attachment. Only the eyepiece of the theodolite is modified by introducing the iris diaphragm. The beginning of the scale of the phase shifter is determined in the GDM instrument (as in the GD instrument) by means of the so-called system of initial reading. A characteristic of phase measuring circuits is the demodulation of the signal in a modulation phase detector (Ref., footnote on p. 10: Yu. V. Popov. Modulyatsionnyy fazovyy detektor na smesitel'noy lampe. (Modulation phase detector with mixer tube). "Pribory i tekhnika eksperimenta", 1960, no. 3) after amplification and filtration of the signal. This circuit is highly immune against interference; therefore,

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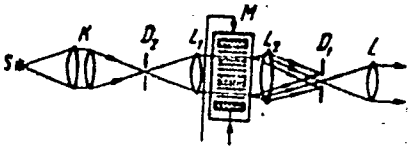
the GDM optical range finders can be used during day and night. Tests of frequency transformation in the FEU-17 showed an efficient frequency transformation not only with a transformer coupling of the heterodyne with the feeding circuits of the emitters but also with a capacitive coupling (Fig.2). In this case, the phase measuring circuit is greatly simplified, and the amplifier stages of the heterodyne may be set up at a long distance from the photoelectron multiplier. Three fixed frequencies (nearly 20 Mc/sec, intermediate frequency 250 kc/sec) are used in the range finder. The phase measuring circuit is attached, as a separate block, to the tripod together with the theodolite. The range finder is fed by a storage battery (6 v) via semiconductor rectifier (in the phase measuring block). Total power consumption is 30 w, the total weight, 38 kg. There is no minimum range of measurement. The maximum range measured by day with the GDM was 2.4 km. The root mean square error of one reading is ±22 cm. 30 readings should be made in measuring distances, requiring no more than 1 hr. There are 4 figures, 1 table, and 8 Soviet-bloc references.

Fig 1



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KOROLEV, I.A.; LAZAREVA, A.A.

Hydrochemical characteristics of ground waters in the aera of the Azov irrigation system. Gidrokhim. mat. 31:171-182 '61. (MIRA 14:3)

1. Gidrokhimicheskiy institut Akademii nauk SSSR, g. Novocherkassk.
(Azov Canal region—Water, Underground)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV I.A.

Category : USSR/Optics - Optical Methods of Analysis. Instruments K-7

Abs Jour : Ref Zhur - Fizika, No 2, 1957, No 5205

Author : Korolev, I.A.
Inst : Moscow State University, USSR
Title : New Methods for Employing a Multiplex-Standard for High-Resolution Spectroscopy

Orig Pub : Izv. AN SSSR, ser. fiz., 1955, 19, No 1, 78-79

Abstract : A brief discussion of the advantages of a multiplex-standard (compared with the usual one) with respect to resolving power, dispersion region, and contrast.

Card : 1/1

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-

AUTHORS: KIKVADZE, V.; ELIZOV, I.; SUSLOV, V.F.; PAK, V.A., kand. geol.-min. nauk; YAKOVLEV, V.N.; LESNIK, Yu.N.; KOROLEV, I.A.; RACHKULIK, V.I.; TACHKOVA, N.A.; KOLESNIKOVA, V.N., kand. fiz.-mat. nauk; NASYROV, M.; SHUL'TS, V.L., doktor geolgr. nauk, prof., otv. red.; GAYSINSKAYA, I., red.; MASHARIPOVA, D., red.; GOR'KOVAYA, Z.P., tekhn. red.

[Fedchenko Glacier] Lednik Fedchenko. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR. Vol.1. 1962. 247 p. (MIRA 15:8)

1. Akademiya nauk Uzbekskoy SSR, Tashkent. Institut matematiki.
(Fedchenko Glacier)

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

SHNIRMAN, G.L.; DUBOVIK, A.S.; KEVLISHVILI, P.V.; GRANIGG, A.B.; KOROLEV, I.A.

High-speed "ZhLV-1" time lapse camera. Zhur.nauch.i prikl. fot.i kin. 8 no.1:50-56 Ja-F '63. (MIRA 16:2)

1. Institut khimicheskoy fiziki AN SSSR.
(Cameras) (Photography, Time lapse)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

L 10176-63 EWT(1)/BDS/EED(b)-2/ES(v)—
ASD/RADC/SSD—Pe-4—LJP(C)
ACCESSION NR: AP3001619 S/0030/63/000/005/0073/0075

AUTHOR: Shnirman, G. L.; Dubovik, A. S.; Kevlishvili, P. V.; Granigg, A. B.; Korolev, I. A.

TITLE: New camera for high-speed photography

SOURCE: AN SSSR. Vestnik, no. 5, 1963, 73-75

TOPIC TAGS: high-speed photography, photographing physical phenomena

ABSTRACT: The Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of Physical Chemistry, Academy of Sciences SSSR) has designed and built the ZhLV-1 camera for photographing high-speed luminescent phenomena, e.g., high-temperature plasma, combustion and explosion processes, and shock waves. The orginality of the mirror-scanning system, the automation of operation, and the camera's advanced engineering characteristics make it a very powerful tool for investigation. The camera can be used for frame photography with a speed of 45,000 to 4,200,000 frames per second and as a photorecorder with slit scanning and time resolution of up to 2 x 10 sup -8 sec. The frame size and image

Card 1/2

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L 10176-63
ACCESSION NR: AP3001619

scale can be selected according to the experimental conditions. The focal length varies from 50 to 450 mm. Continuous photorecording is done by means of mirror scanning, which is accomplished by two plane-parallel mirrors crossed at an angle of 45° and located on one axis of rotation in two circles, one above the other. The camera is controlled remotely. The operator controls the supply voltage and the vacuum pump manually; all other operations proceed automatically. There is a system for recording the rotations of mirrors during photographing. The mirror-scanning, frame-photographing, and photorecording with slit scanning processes are shown diagramatically. Orig. art. has: 4 figures.

ASSOCIATION: none

SUBMITTED: 00	DATE ACQ: 21Jun63	ENCL: 00
SUB CODE: 00	NO REF SOV: 000	OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I.I., zasluzhennyy vrach RSFSR (Orekhovo-Zuyevo Moskovskoy oblasti).

Two-year work experience of the general therapeutic night sanatorium (prophylactorium) of the Orekhovo Cotton Combine. Sov.zdrav. 12 no.5:46-51 S-O '53. (MLRA 6:10)

(Orekhovo-Zuyevo--Industrial medicine) (Industrial medicine--Orekhovo Zuyevo)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, Ivan Ivanovich

[Communist are the organizers of competition]Kommunisty - organizatory sorevnovaniia. Leningrad, Lenizdat, 1962. 50 p. (MIRA 16:3)
(Socialist competition)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I.M., inzh.; LITVINOV, V.Ya., inzh.; GRIBANOV, I.P., inzh.

Mechanization of the operations in erecting concrete supports in haulage horizons. Shakht. stroi. 7 no.2:17-18 F '63. (MIRA 16:3)

1. Nauchno-issledovatel'skiy gornorudnyy institut.
(Krivoy Rog Basin—Mine timbering)
(Concrete construction—Equipment and supplies)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

VERBITSKIY, V.M., inzh.; ZITSER, I.S., inzh.; KIREYEV, V.D., inzh.; KOROLEV, I. M., inzh.

Stand for testing the performance of mine supports. Shakht. stroi. 8 no.8:17 Ag '64. (MIRA 17:9)

1. Nauchno-issledovatel'skiy gornorudnyy institut, Krivoy Rog.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

ARTEMOV, D.M.; RUDENKO, P.A.; BOYARIN, B.Ya.; KURTSEV, V.V.; VOLODINA, M.A.; KRIVOVAYA, V.I.; KOROLEV, I.V.; BUDNIKOVA, Z.M.; METAL'NIKOVA, A.L.; AFANAS'YEV, S.P., red.; GUDKOVA, N., red.; YAKOVLEVA, Ye., tekhn. red.

[Economy of Moscow Province; a statistical manual] Narodnoe khoziaistvo Moskovskoi oblasti; statisticheskii sbornik. [Moskva] Mosk. rabochii, 1958. 270 p. (MIRA 11:9)

1. Moscow (Province). Oblastnoye statisticheskoye upravleniye.
2. Nachal'nik Moskovskogo oblastnogo statisticheskogo upravleniya (for Afanas'yev).
(Moscow Province--Economic conditions--Statistics)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I.V.

Organization of the work of survey parties. Rech.transp. 13 no.1:29-31 Ja-F '53. (MLRA 6:11)
(Hydrography)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I.V.

Dniepr Lignite Basin is a large raw materials base for the construction of underground gasification plants. Podzem.gaz.ugl. no.1:80-86 '57. (MLRA 10:7)

1. Glavpodzemgaz.
(Dniepr Basin--Coal gasification, Underground)
(Lignite)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I.V.

Prospecting of coal deposits for underground coal gasification. Podzem.gaz.ugl. no.3:31-36 '59. (MIRA 12:12)
(Coal gasification, Underground) (Prospecting)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

Korolev, I.V.

RABINOVICH, B.Ya., inzhener; KOROLEV, I.V., inzhener.

Use of blast furnace slags as fillers for asphalt concrete.
Shakht.stroi. no.3:27-29 Mr '57. (MLRA 10:7)
(Asphalt concrete) (Slag cement)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I.V., inzh.

Evaluating the quality of broken slag used in road construction.
Avt.dor. 20 no.8:13-14 Ag '57. (MIRA 12:4)
(Road materials)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

VOLKOV, M.I., prof., KOROLEV, I.V., inzh.

Using furnace slags in road construction. Avt. dor. 21 no. 7:16-17 Jl '58. (MIRA 11:8)

(Slag)
(Pavements)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I.V., Cand Tech Sci —(diss) "Study of blast furnace slags as a material for highway asphalt concrete." Khar'kov, 1959. 20 pp (Min of Higher Education UkSSR. Khar'kov Motor Vehicle and Road Inst), 150 copies (KL,29-59, 128)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

VOLKOV, M.I., prof.; IVANOV, F.M.kand.tekhn.nauk; KLIMASHEV, F.S.,inzh.; KOROLEV, I.V., inzh.; KUHIENKOV, B.I., inzh.; MYSHKOVSKAYA, S.A., kand.tekhn.nauk; NEKRASOV, V.K., kand.tekhn.nauk; SPERANTOV, N.A., kand.tekhn.nauk; YAKUNIN, O.A., inzh.; MOTYLEV, Yu.L., red.; LAKHMAN, F.Ye., tekhn.red.

[Metallurgical slags in road construction] Metallurgicheskie shlaki v dorozhnom stroitel'stve. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1959. 182 p. (MIRA 12:4)

(Road materials) (Slag)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

BAMDAS, **Aleksandr Markovich**, doktor tekhn.nauk, prof.; KOROLEV, **Igor' Veniaminovich**, inzh.

Selection of fundamental relationships in designing three-phase to two-phase transformers, autotransformers, and converters. Izv. vys. ucheb. zav.; elektromekh. 4 no.4:105-113 '61. (MIRA 14:7)

1. Zaveduyushchiy kafedroy alektricheskikh mashin Gor'kovskogo politekhnicheskogo institut (for Bamdas).

(Electric transformers)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I.V.

Effect of the thickness and structure of the coal seam and of the coal quality on the indices of underground coal gasification process. Nauch. trudy VNIIPodzemgaza no.7:27-32 '62. (MIRA 15:11)
(Coal gasification, Underground)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I.V.

Effect of karst manifestations in coal deposits on the underground gasification of coals. Nauch.trudy VNIIPodzemgaza no.7:47-51 '62. (MIRA 15:11)

1. Uprpodzemgaz.
(Coal gasification, Underground) (Karst)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I.V.

Effect of coal cleavage on the indices of the air connection linking in the Moscow Basin. Nauch.trudy VNIIPodzemgaza no.7:61-68 '62. (MIRA 15:11)

1. Uprpodzemgaz.
(Moscow Basin--Coal gasification, Underground)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I.V.

Relationship between the process of underground gasification of coal and the geological and hydrogeological conditions of coal deposits. Nauch. trudy VNIIPodzemgaza no.8:51-58 '62. (MIRA 16:6)

1. Uprpodzemgaz.
(Coal gasification, Underground)
(Coal geology)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I.V., kand. tekhn. nauk

Investigating the contraction of heated asphalt concretes.
Sbor. trud. Khab. avt.-dor. inst. no.2:35-40 '62. (MIRA 18:4)

1. Khar'kovskiy avtomobil'no-dorozhnyy institut.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I.V.

Effect of geological conditions of deposits on the process of making initial gasification channels. Nauch.trudy VNIIPodzemgaza no.10: 55-63 '63. (MIRA 17:5)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

VOLKOV, Mikhail Ivanovich, prof.; BORSHCH, Ivan Mikhaylovich, dots.; KOROLEV, Igor', Vasil'yevich, dots. Prinimal uchastiye GRUSHKO, I.M., kand. tekhn. nauk; KALERT, A.A., prof., retsenzent; LYSIKHINA, A.I., kand. tekhn. nauk, retsenzent; RUDENSKAYA, I.M., retsenzent; SYUN'I, G.K., retsenzent; KHOMYAKOV, Ye.M., retsenzent; TOMACHINSKIY, V.N., st. prepod., retsenzent; YEGOZOV, V.P., inzh., red.

[Road materials] Dorozhno-stroitel'nye materialy. Moskva, Transport, 1965. 521 p. (MIRA 18:9)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I.V., kand.tekhn.nauk

Hot asphalt-concrete mixes. Avt.dor. 28 no.10:25-26 O '65.
(MIRA 18:11)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, I.V.

Effect of the geological structure and hydrogeological conditions of gasification deposits on gas losses. Trudy VNIIPodzemgaza no.12:106-118 '64. (MIRA 18:9)

1. UPRODZEMGAZ.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, J.

100 hours in a vacuum.

P. 458, (Kridla Vlasti) No. 15, July 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K., prepodavatel'

Against amateurism in the equipment of study rooms.
Prof.-tekh.obr. 22 no.11:17 N '65.
(MIRA 18:12)

1. Professional'no-tekhnicheskoye uchilishche No.3 g.
Permi.

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOVALENKO, M.; KOROLEV, K.

Organization of interfarm building organizations is a matter of prime importance. Sel'. stroi. 14 no.7:10-11 Jl '59. (MIRA 12:10)

1.Zaveduyushchiy otdelom po stroitel'stvu v kolkhozakh Yermakovskogo rayona Krasnoyarskogo kraya (for Kovalenko). 2.Zaveduyushchiy sel'khozotdelom gazety "Na Leninskom puti" (for Korolev).
(Yermaki--Farm buildings)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.

Masters of manless mining. Sov.shakht. 10 no.5:9 My '61.
(MIRA 14:9)

1. Zamestitel' redaktora gazety "Gremyachinskiy rabochiy."
(Kizel Basin--Coal mines and mining)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

SHTEMBERG, M.I., kand. med. nauk; KOROLEV, K., red.

[Obstetric science in control of the health of mother and child] Akusherskaia nauka v bor'be za zdorov'e materi i rebenka. Kishinev, Kartia moldoveniaske, 1965. 58 p. (MIRA 18:7)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K., prepodavatel'

Working model of a pinion pump. Prof.-tekh. obr. 18 no.9:25 S '61. (MIRA 14:11)

1. Remeslennoye uchilishche No.3, g. Perm'.
(Pumping machinery--Models)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.

Gremyachinsk, the coal miners' city. Sov.shakht. 11 no.6:38 Je '62. (MIRA 15:6)

(Kizel Basin--Coal miners)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.A.; NIKONOV, A.I.

Improving the work of track machinery stations. Put' i put. khoz. 9 no.10:22-23 '65. (MIRA 18:10)

1. Nachal'nik putevoy mashinnoy stantsii No.47, stantsiya Orenburg, Yuzhno-Ural'skoy dorogi (for Korolev). 2. Glavnyy mekhanik putevoy mashinnoy stantsii No.47, stantsiya Orenburg, Yuzhno-Ural'skoy dorogi (for Nikonov).

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, Konstantin Alekseyevich, gerey Sovetskogo Soyuza, podpolkovnik; RAZLIN, N.N., polkovnik, redaktor; HUDIN, M.Z., podpolkovnik, redaktor; ZUDINA, M.P., tekhnicheskiy redaktor.

[Learn how to take advantage of the terrain] Uchis' umelo ispol'zovat' mestnost'. Moskva. Voen. izd-vo Ministerstva obor. SSSR, 1955. 69 p. (MLRA 9:4)

(Camouflage (Military science))

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.A.

Multi-edged scrapers and scraper rings. Mashinostroitel' no.6:23 Je '60. (MIRA 13:8)
(Scrapers)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, Kuz'ma Grigor'yevich; TITOVA, A.M., red.

[Lactam of the Kuznetsk Basin] Kuzbasskii laktam. Kemerovo, Kemerovskoe knizhnoe izd-vo, 1964. 43 p. (MIRA 17:10)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K. M.

2179. Power consumption of the SM-58 pug.—K. M. KOROLEV (*Glass & Ceramics*, Moscow, 10, No. 2, 22, 1953). This pug, producing c. 5,000 solid bricks per hr., consumes, in different Russian plants, from 21 to 50 kW/hr. The specific power-consumption is irregular: with increasing rate of production up to 4,000–5,000 bricks per hr., the specific power-consumption decreases, but then increases if the rate of production is further increased. This is attributed to the fact that the resistance in the pug does not increase proportionally with increasing rate of extrusion. The power consumption depends on the construction of the mouthpiece and properties of raw material. (2 figs.)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K. M. (Engineer)

Testing of the working parts of the SM-277(LVP-4A) conveyer belt vacuum press. Mekh.stroi. 10 no.6:26-32 Je '53. (MLRA 6:6)

(Brick-making machinery)

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.M.

530. Pug output in the production of hollow blocks.—K. M. KOROLEV (*Glass & Ceramics*, Moscow, 10, No. 9, 15, 1953). An attempt to find a [illegible] for the output of a pug. The clay mix is regarded as a very viscous liquid and the concept of "hydraulic radius"—the ratio of the area of the flow cross-section to the so-called "moistened perimeter" of this cross-section—is introduced. When applied to extrusion, the formula for the output will involve the cross-section of the die, that of the flow and the "moistened circumference." The values found for 3 Russian pugs making several types of hollow blocks are expressed in percentage by weight, assuming the output of normal solid bricks from the same pugs to be 100% weight for weight. The output of hollow blocks from a pug was found to be equal to that of normal solid bricks. The proposed method is said to be tentative. (4 figs., 5 tables.)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

USSR/ Engineering - Brick manufacture

Card 1/1 Pub. 104 - 7/12

Authors : Korolev, K.M.

Title : Efficient construction of spouts for the manufacture of ordinary bricks

Periodical : Stek. i ker. 1, 22-23, Jan 1954

Abstract : The obtaining of bricks of uniform solidity which would withstand drying and kilning without crumbling and cracks depends upon the proper selection of the spout construction for feeding the soft mass to the brick forming machine. Efficient (rational) construction of such spouts is described. One USSR reference (1953). Tables; drawings.

Institution: .....

Submitted: .....

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K., inzhener.

Belt press models. Stroi.mat.2 no.12:33-34 D '56. (MLRA 10:2)
(Italy--Brickmaking machinery)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.M., inzhener.

Determining the productivity of screw conveyer ceramic presses. Stroi. i dor. mashinostr. no.2:14-16 F '57. (MLRA 10:3)
(Ceramic materials) (Power presses)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.M., inzh.

Determining basic parameters of conveying screw presses used for shaping ceramic products. Stroi. i dor. mashinostr. 2 no.12:20-21 D '57. (MIRA 11:2)

(Ceramics) (Pressing machinery)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.E., inzhener.

Determining the pressure exerted by runner wheels on rails and weighing of assembled gantry cranes. Mech.transp. 16 no.7:37-38 Jl '57. (MLRA 10:9)

(Cranes, derricks, etc.)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

Korolev, K. M.

KOROLEV, K.M., inzhener.

Pneumatic conveyance of concrete. Nov.tekh.i pered.op.v stroi. vol.19:28-30 Ag '57. (MIRA 10:10)
(Concrete construction) (Conveying machinery)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.M., inzh.

Designs of foreign concrete mixer trucks. Stroi. i dor.mashinostr. 4 no.2:33-35 F '59. (MIRA 12:2)
(Concrete mixers)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.M., inzh.

New all-Union state standard for belt-operated auger presses for manufacturing ceramic products. Stroi.i dor. mashinostr. 4 no.12:31-33 D '59. (MIRA 13:3)
(Pressed brick) (Conveying machinery)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K. M., Cand Tech Sci (diss) "Investigation of conveyer belt presses for the plastic molding of ceremic articles," Moscow, 1960, 12 pp, Moscow Engineering Construction Institute im V. V. Kuybyshev) (KL, 39-60, 115)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.M., inzh.

Reversible concrete mixer. Stroi. i dor. mashinostr. 5 no.4:21 Ap '60. (MIRA 13:9)
(Mixing machinery)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

OGIYEVICH, V.A., kand.tekhn.nauk; KOROLEV, K.M., inzh.

"Manual on the equipment of building materials plants" by M.IA. Saposhnikov, M.E. Drozdov. Reviewed by V.A. Ogievich, K.M. Korolev. Stroi. i dor. mashinostr. 5 no.8:39-40 Ag '60. (MIRA 13:8)
(Building materials industry--Equipment and supplies)
(Saposhniko, M.IA.) (Drozdov, M.E.)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.M., inzh.

New automatic mortar mixing units. Mekh.stroi. 17 no.2:24-27 F '60. (MIRA 13:8)

(Mixing machinery)
(Automatic control)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.M., kand.tekhn.nauk

Continous-action vibration mixer. Stroi. i dor. mash. 6 no.6:30-33 Je '61. (MIRA 14:7)

(Mixing machinery)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.M.; SHARAPOV, I.K.

New cement mixers. Mekh. stroi. 18 no. 3:22-23 Mr '61.
(MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut stroitel'nogo i dorozhnogo mashinostroyeniya.
(Mixing machinery)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.M.

Thermomechanical lime slaker. Mekh. stroi. 18 no.5:26 My '61.
(MIRA 14:7)

(Lime)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.M., kand. tekhn. nauk; SLESAREV, Yu.M., inzh.

New method of heating concrete and mortar aggregates. Mekh. stroi. 18 no.12:14-16 D '61. (MIRA 16:7)

(Building machinery)
(Aggregates(Building materials))

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, Konstantin Mikhaylovich, kand. tekhn. nauk; TROITSKIY, Kh.L., nauchnyy red.; BEREZOVSKAYA, A.L., red.; TOKER, A.M., tekhn. red.; BARANOVA, N.N., tekhn. red.

[The mortar-mixer and mortar-pump operator] Mashinist rastvoro-smesitelia i rastvoronasosa. Moskva, Proftekhizdat, 1962. 255 p. (MIRA 16:1)
(Mortar) (Construction industry)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.M., kand.tekhn.nauk

The S-289A mortar mixer. Mekh. stroi. 19 no.10:25 O '62.
(MIRA 15:12)

(Mixing machinery)
(Mortar)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.M., kand.tekhn.nauk

New standards for concrete mixers and mortar mixers. Stroi. mat. 9 no.3:20 Mr '63. (MIRA 16:4)
(Mixing machinery—Standards)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

DESOV, A.Ye., doktor tekhn.nauk; KOROLEV, K.M., kand.tekhn.nauk; MALINOVSKIY, A.G., inzh.; FAYTEL'SON, L.A., kand.tekhn.nauk

Results of testing vibromixing machinery. Trudy NIIZHB no.33:41-63 '64. (MIRA 18:2)

1. Nauchno-issledovatel'skiy institut betona i zhelezobetona Gosstroya (for Desov, Korolev, Malinovskiy). 2. Institut stroitel'stva i arkhitektury AN Lativiyskoy SSR (for Faytel'son).

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

BESSOV, A.Ye., doktor tekhn. nauk; [illegible], K.F., [illegible]; MIKHAYLOV, A.G., inzh.

Results of comparative testing of vibratory mixers. Stroi. i dor. mash. 9 no.11:30-34 N '64 (MIRA 18:2)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, Konstantin Mikhaylovich, kand. tekhn. nauk; OGIYEVICH, Vladimir Alekseyevich, kand. tekhn. nauk; VIDINEYEV, Yu.D., nauchn. red.; BEREZOVSKAYA, A.L., ved. red.

[Operator of automatic batching apparatus, concrete mixers and concrete mixing plants] Mashinist avtomaticheskikh dozatorov, betonosmesitelei i betonosmesitel'nykh ustanovok. Moskva, Vysshaia shkola, 1965. 272 p. (MIRA 18:8)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, Konstantin Mikhaylovich, kand. tekhn. nauk; TRET'YAKOV, A.K., nauchn. red.; BEREZOVSKAYA, A.L., ved. red.

[Mortar-mixer and mortar-pump operator] Mashinist rastvorosmesitelei i rastvoronasosov. Moskva, Vysshaia shkola, 1965. 239 p. (MIRA 18:11)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

AUTHOR: Korolev, K. [redacted], Instructor SOV/27-58-12-20/23

TITLE: Our Experience in Technical Propaganda (Nash opyt tekhnicheskoy propagandy)

PERIODICAL: Professional'no-tekhnicheskoye obrazovaniye, 1958, Nr 12, pp 27-29 (USSR)

ABSTRACT: The author and several of the foremen at his school decided to produce a set of various modern devices for use in repairing industrial equipment. The purpose was to awaken the students' initiative for creative technical work, and to supplement the special technology workshop's training aids. The author lists some of the devices and gives a brief description of the construction and use of a universal appliance ("swallow's tail") for checking the parallelism of slides. Several samples of the manufactured devices were taken from plants, but the author also used textbooks and special literature, which was partly received from the Leningradskiy dom nauchno-tekhnicheskoy propagandy (Leningrad House of Scientific-Technical Propaganda), and copied modern and highly efficient devices and instruments from them. At meetings of the mechanics-repairmen it was suggested that by the time the students leave the school everyone should have produced a re-

Card 1/2

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pairing device, model, a fitter's instrument, etc. The author mentions the difficulties experienced and the regular work of the group of metal workers which contributed to the success of the described activity.
There are 2 figures.

ASSOCIATION: Spetsial'noye remeslennoye uchilishche Nr 3, Perm' (Special Trade School Nr 3, Perm')

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.P.

Teacher's work on students mistakes during practical training in school workshops. Politekh.obuch. no.12:58-61 D '59. (MIRA 13:5)

1. Leningradskiy pedagogicheskiy institut imeni A.I.Gertsena.
(Vocational education)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

BRESLAVETS, Z.I., inzh.; ABROSIMOVA, L.Ye., inzh.; KOROLEV, K.P., inzh.

Use of epoxy compositions. Sudostroenie 29 no.9:49-50 S '63.
(MIRA 16:11)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.P., kandidat tekhnicheskikh nauk

Effect of locally worn treads of locomotive wheels on rail stresses (MLRA 8:11)
Tekh.zhel.dor. 7 no.1:8-12 Ja '48.
(Railroads--Rails) (Wheels)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.P.

RUDOY, Ye.F., redaktor; KOROLEV, K.P., professor, doktor tekhnicheskikh nauk, redaktor; YUDZON, D.N., tekhnicheskiy redaktor

[Railroad engineer's reference manual] Tekhnicheskii spravochnik zheleznodorozhnika. Glav.red.E.F.Rudoi. Moskva, Gos.transp.zheldor.izd-vo. Vol.7. [Locomotive and railroad car economy] Lokomotivnoe i vagonnoe khoziaistvo. Otv.red.toma K.P.Korolev. 1953. 567 p. (MLRA 9:2)

(Locomotives) (Railroads--Cars)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.P.

VINOKUROV, M.V., doktor tekhnicheskikh nauk, professor [deceased]; KOROLEV, K.P., doktor tekhnicheskikh nauk, professor.

Effect of the mobility of the side sills of tender and car bogil trucks on wear of rims and rails. Sbor.trud.Akad.zhel.transp. no.4: 67-99 '56. (MLRA 10:2)
(Railroads--Rails) (Car wheels)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.P., prof.

Rolling of locomotive wheel pairs along rails. Elek. i tepl. tiaga 2 no.5:30-35 '58. (MIRA 12:4)
(Car wheels)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.P., prof.

Locomotive dynamics. Elek. i tepl. tiaga no.6:36-41 Je '58. (MIRA 11:6)

(Stability of locomotives)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

DANILOV, Vladimir Nikolayevich, doktor tekhn. nauk; KOROLEV, K.P., prof., retsenzent; YAKOVLEV, V.F., kand. tekhn. nauk, retsenzent; SERGEYEVA, A.I., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Railroad track and its interaction with the rolling stock] Zheleznodorozhnyi put' i ego vzaimodeistvie s podvizhnym sostavom. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 110 p. (MIRA 14:8)
(Railroads—Track)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

VERIGO, M.F., prof.; KOROLEV, K.P., prof.

Underframe design for new types of locomotives. Zhel.dor. transp. 43 no.2:53-55 F '61. (MIRA 14:4)

1. Rukovoditel' puteispytatel'noy laboratorii Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnogo transporta (for Verigo). 2. Rukovoditel' laboratorii dinamiki i prochnosti lokomotivov Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnogo transporta (for Korolev).
(Locomotives—Design)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, K.P., prof.

Rail and wheel band sections. Put' i put.khoz. 6 no.3:24-25 Mr '62. (MIRA 15:3)

(Railroad engineering)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

ANDRIYEVSKIY, S.M., kand.tekhn.nauk; ZOL'NIKOV, S.S., kand.tekhn.nauk; KISELEV, A.I., inzh.; KOROLEV, K.P., doktor tekhn.nauk, prof.; KRYLOV, V.A., kand.tekhn.nauk; SHESTAKOV, V.N., kand.tekhn.nauk; VERIGO, M.F., doktor tekhn.nauk; KREPKOGORSKIY, S.S., kand. tekhn.nauk; IVANOV, V.V., doktor tekhn.nauk, retsenzent; ORLOVA, I.A., inzh.red.; VOROB'YEVA, L.V., tekhn.red.

[Truck-type locomotive underframes for high-speed traffic] Telezhechnye ekipazhi lokomotivov dlia povyshennykh skorostei dvizheniia. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1962. 303 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no.248). (MIRA 16:2)
(Locomotives--Design and construction)
(Railroad engineering)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, L., inzhener.

Repairing the flywheel. Avt.transp. 32 no.6:36 Je '54.(MLRA 7:9)
(Flywheels)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

SERYAKOV, Ivan Maksimovich. Prinimali uchastiye: BEDAREV, G.; VETSHUMB, N.; DOBROVOL'SKIY, V.; KAPLAN, S.; KOMZA, G.; KORCHLEV, L.; KUZGINOV, K.; PETROV, V.; SUMAKOV, M.; SMOLYANINOV, N.; USHAKOV, I.; USHAKOV, G.; ZAYCHIK, M.I., prof., doktor tekhn.nauk, nauchnyy red.; KOLOMIYTSEVA, O.I., red.; ROZEN, E.A., tekhn.red.

[The story of the tractor] Povest' o traktore. Moskva, Izd-vo "Sovetskaia Rossiia," 1960. 318 p. (MIRA 13:12)
(Tractors)

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L 13627-66 EWT(d)/EWT(m)/EWP(v)/EWP(k)/EWP(h)/EWP(t)/EWP(b)/EWP(l)/EWA(c)
ACC NR: AN6005887 JD/HW SOURCE CODE: UR/9001/66/000/005/0043/0044

AUTHOR: Korolev, L.

ORG: none

TITLE: Superpressure

SOURCE: Ekonomicheskaya gazeta, no. 5, 1966, 43-44

TOPIC TAGS: metal extrusion, hydrostatic extrusion, high pressure extrusion, metal press

ABSTRACT: An experimental press for hydrostatic ultrahigh-pressure extrusion of metals has been designed and built at the VNIIMetmash in cooperation with the Institute of Physics, Academy of Sciences USSR. Numerous problems had to be solved before the design of the press was completed, such as container design, container locking, and deceleration of extruded shapes which emerge from the die at a rate of several hundred meters per second. All these problems were successfully solved. The solutions are not specified but it appears that the container and some other parts stressed by internal pressure are made of or reinforced by a multilayer winding of a high-strength strip or wire. Its relatively small size is a special advantage of the new press. A press now under construction

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L 13627-66
ACC NR: AN6005887 APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

will weigh 50 tons and will be equivalent in performance to conventional 6000-ton presses which weigh more than 500 tons. [ATD PRESS: 4168-F]

SUB CODE: 13 / SUBM DATE: none

Card 2/2

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

S/148/62/000/007/001/005
E071/E135

AUTHORS: Korolev, L.G., and Morozov, A.N.

TITLE: The solubility of nitrogen in liquid iron-vanadium alloys

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Chernaya metallurgiya, no.7, 1962, 27-29

TEXT: Because of the inconsistency of literature data, the authors investigated the solubility of nitrogen in liquid iron-vanadium alloys using the Siverts method, in which the amount of dissolved nitrogen is determined from the change in nitrogen pressure in the reaction system. The apparatus and experimental procedure are described in some detail. The following results were obtained for alloys containing from 1 to 10% V at 1580 °C and a nitrogen pressure of 760 mm Hg:

% V: 0.92; 1.06; 1.20; 1.73; 2.36; 3.83; 4.32; 5.2; 7.7;

% N: 0.058; 0.072; 0.077; 0.081; 0.093; 0.117; 0.140; 0.150; 0.272;

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

S/148/62/000/009/001/007
E071/E483

AUTHORS: Korolev, L.G., Morozov, A.N.

TITLE: The equilibrium of nitrogen with vanadium in γ-iron

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Chernaya metallurgiya, no.9, 1962, 39-42

TEXT: The equilibrium of the reaction of formation of vanadium nitrides in iron

$$K_{p(1)} = [V\%] \cdot [N\%] \cdot f_N^V \qquad (1)$$

was studied at 950 to 1200°C. Molten iron was nitrided with sodium nitrate in a mixture with silicon-calcium and spar, and then alloyed with increasing quantities of ferrovanadium. After each alloying addition, a part of the metal was cast into a mould and the resultant ingots were gorged into billets with a cross-section of 10 x 10 mm. Altogether two series of alloys with the vanadium content from 0.05 to 0.95% and nitrogen content of about 0.0085% and 0.018 to 0.019% were prepared. After a prolonged holding at a constant temperature in a salt bath or in a resistance furnace in an argon atmosphere, the specimens were

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quenched in an aqueous solution of sodium hydroxide and analysed for the total vanadium content and dissolved atomic nitrogen (by difference between the total nitrogen content and nitrogen content of nitrides insoluble in hydrochloric acid). Since the experimental results did not confirm the existence of a definite relationship between the equilibrium constant and vanadium content of the alloy, established by Fourtain and Chipman, it was concluded the equilibrium of reaction (1) was characterized by $K_p' = V\% \cdot N\%$. By the method of least squares an expression for the temperature dependence of the equilibrium constant was derived in the form

$$\log K_p' = -\frac{7255}{T} + 2.815$$

There are 1 figure and 4 tables.

ASSOCIATION: Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii (Chelyabinsk Scientific Research Metallurgical Institute)

SUBMITTED: June 27, 1961

Card 2/2

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

KOROLEV, L.G.; MOROZOV, A.N.

Conditions for the formation of vanadium nitride in liquid iron. Izv. vys. ucheb. zav.; chern. met. 6 no.1:45-49 '63. (MIRA 16:5)

1. Chelyabinskiy politekhnicheskiy institut.
(Iron-vanadium alloys) (Vanadium nitride)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

ACCESSION NR: AR4015540 S/0137/63/000/011/A009/A009

SOURCE: RZh. Metallurgiya, Abs. 11A62

AUTHOR: Morozov, A. N.; Isayev, V. F.; Korolev, L. G.

TITLE: Solubility of nitrogen in alloys of iron with elements forming stable nitrides

CITED SOURCE: Sb. Teoriya i praktika metallurgii. Chelyabinsk. vy*p. 5. 1963. 8-11

TOPIC TAGS: nitrogen, nitrogen solubility, iron alloy, nitride, stable nitride

TRANSLATION: It is shown that when a solid nitride is present on the surface of Me, the equilibrium of the system is determined by the reaction $(R_xN_{Tb} \rightleftarrows x[R] + (1/2)N_2$, where R is the content of Ti, Al, V, and other elements forming stable nitrides. It is shown that the nitrides AlN, TiN, and $V_{1.17}N$ form in Fe alloys and that the solubility of N_2 in binary mixtures of Fe with Ti, Al, and V obeys the Siwertz law only under conditions excluding the formation of nitrides. It

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824810018-9

ACCESSION NR: AR4015540

has been found that the dissociation elasticity of nitrides reaches 1 atm for 0.05% Ti, 0.9% Al, and 1.1-1.2% V. 1 illustration. A. Vertman.

DATE ACQ: 09Dec63 SUB CODE: ML, CH ENCL: 00

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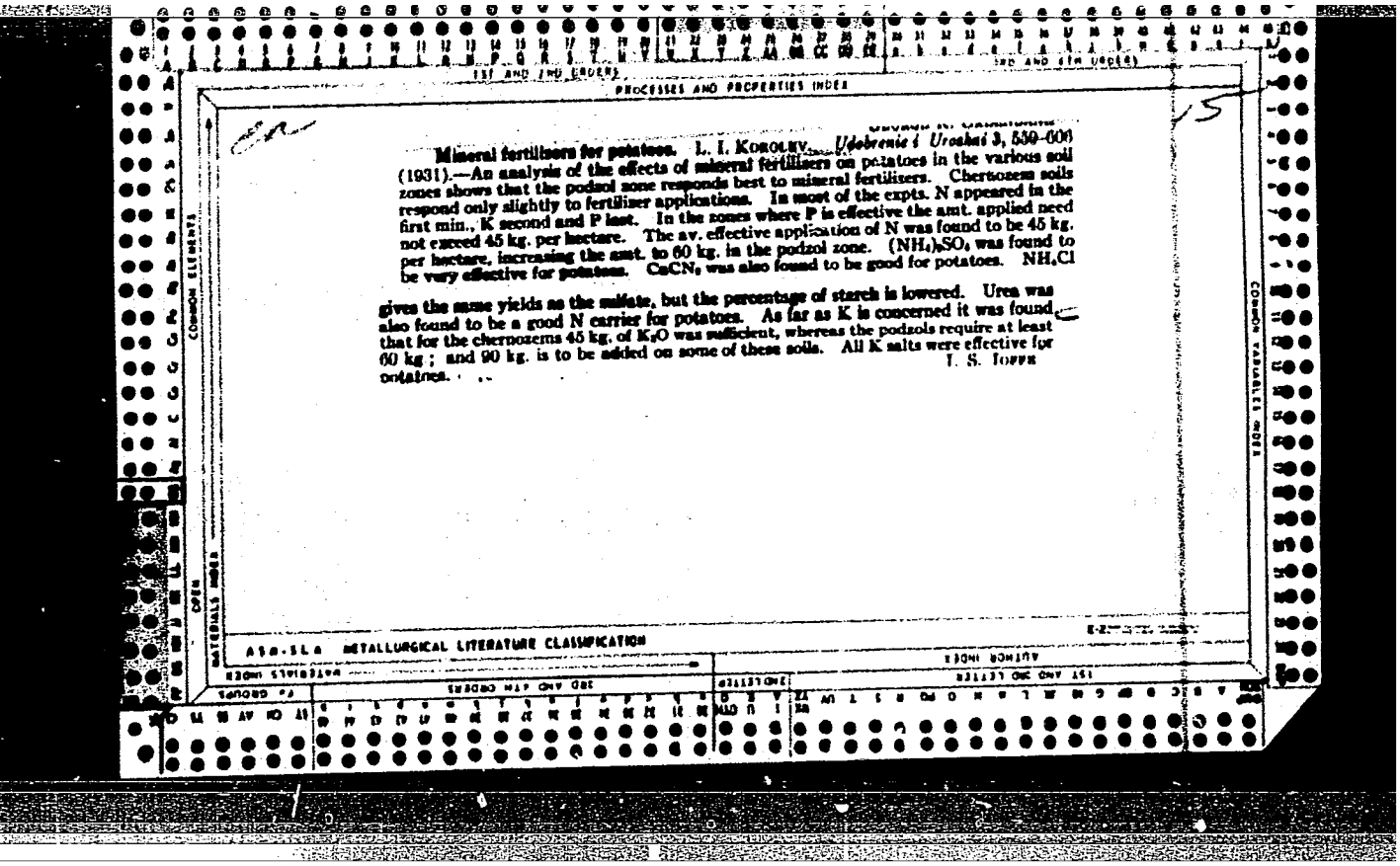

PROCESSES AND PROPERTIES INDEX

Mineral fertilizers for potatoes. L. I. KOROLEV. *Udobrenie i Urozhai* 3, 559–606 (1931).—An analysis of the effects of mineral fertilizers on potatoes in the various soil zones shows that the podzol zone responds best to mineral fertilizers. Chernozem soils respond only slightly to fertilizer applications. In most of the expts. N appeared in the first min., K second and P last. In the zones where P is effective the amt. applied need not exceed 45 kg. per hectare. The av. effective application of N was found to be 45 kg. per hectare, increasing the amt. to 60 kg. in the podzol zone. $(NH_4)_2SO_4$ was found to be very effective for potatoes. $CaCN_2$ was also found to be good for potatoes. NH_4Cl gives the same yields as the sulfate, but the percentage of starch is lowered. Urea was also found to be a good N carrier for potatoes. As far as K is concerned it was found that for the chernozems 45 kg. of K_2O was sufficient, whereas the podzols require at least 60 kg; and 90 kg. is to be added on some of these soils. All K salts were effective for potatoes.

I. S. JOFFE

A 1a-5 L a METALLURGICAL LITERATURE CLASSIFICATION

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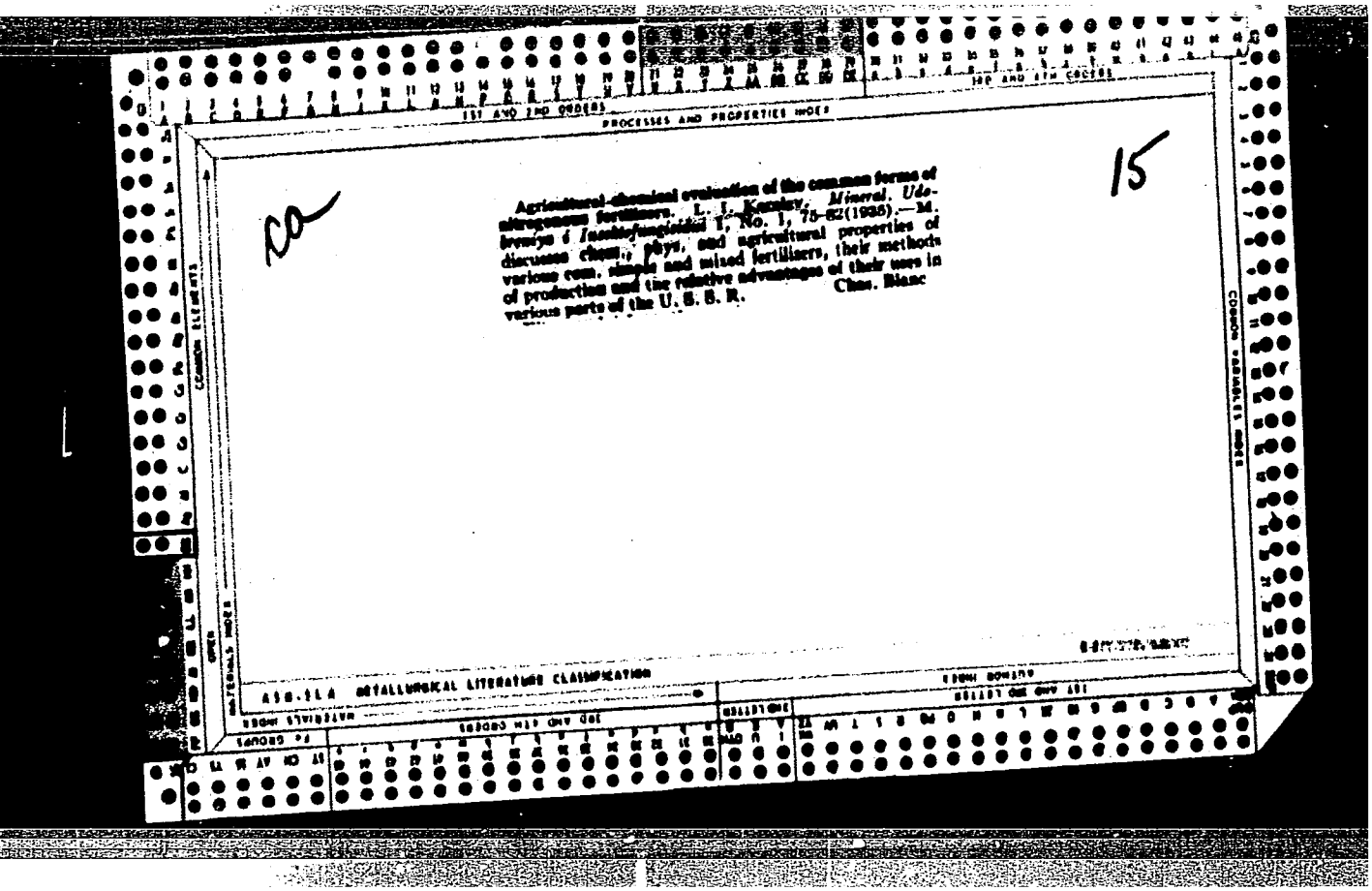

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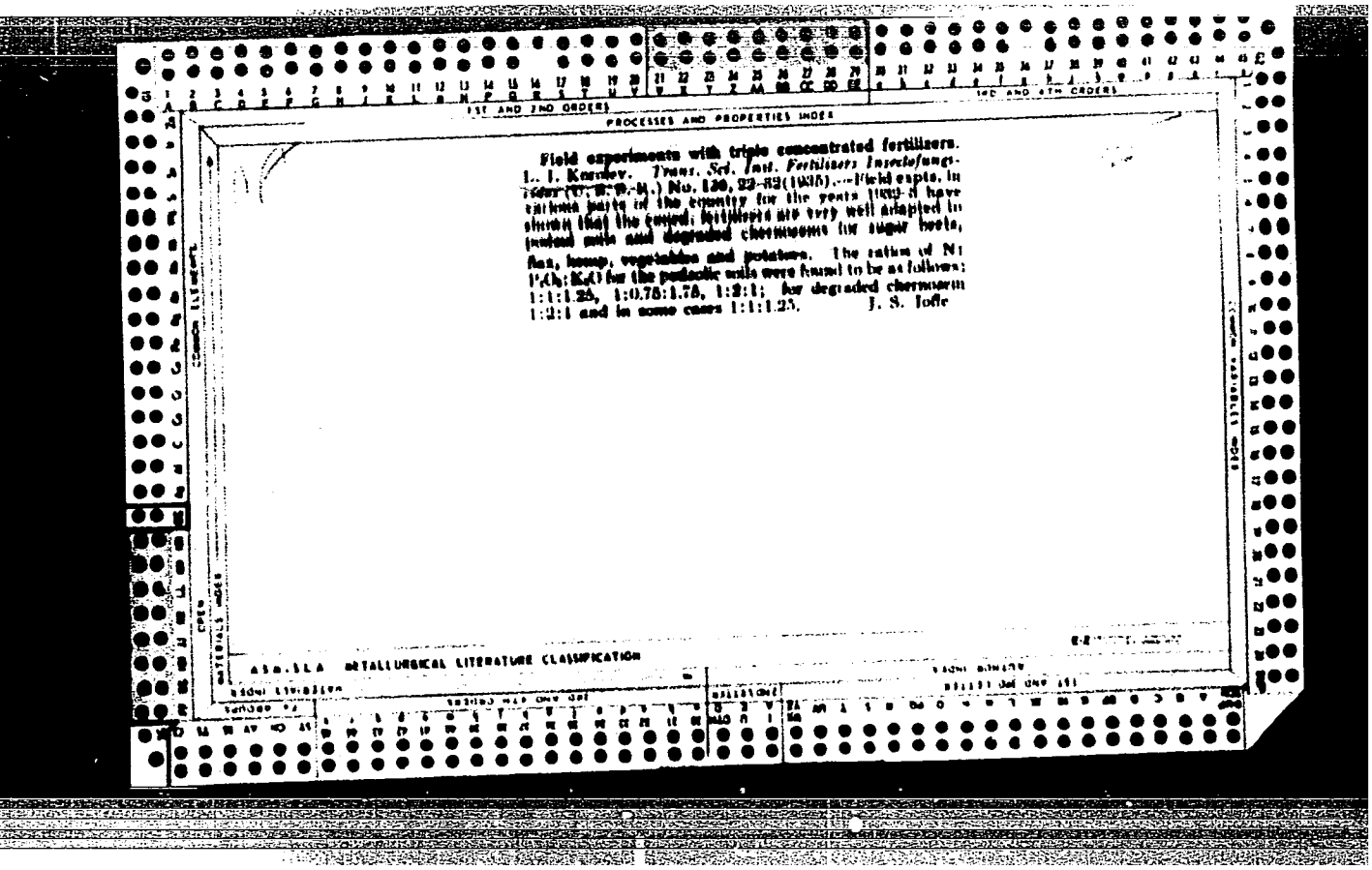

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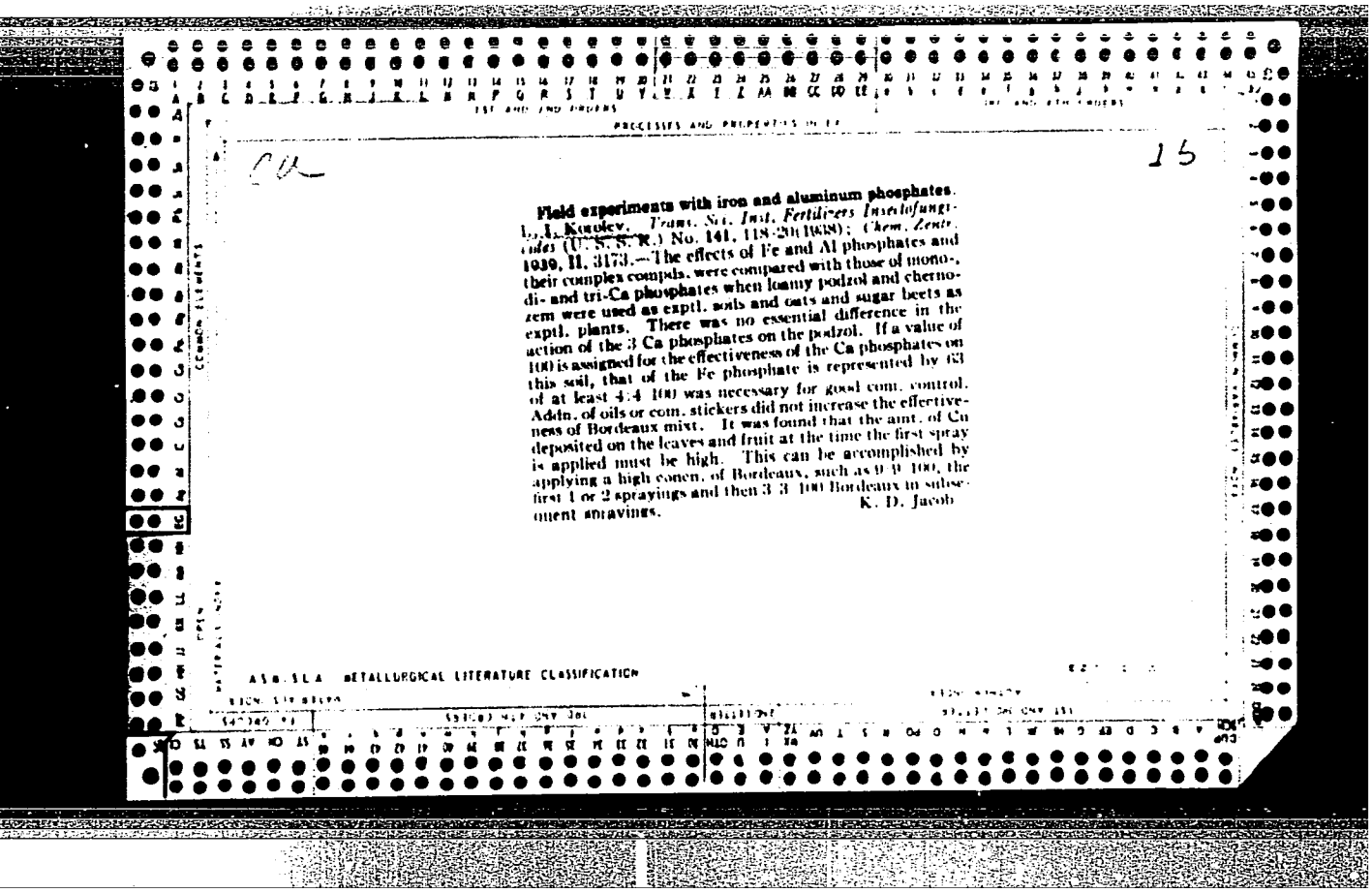

CU

15

Field experiments with iron and aluminum phosphates. L. L. Kunoley. *Trans. Sci. Inst. Fertilizers Insectofungicides* (U. S. S. R.) No. 141, 118-20 (1938); *Chem. Zentr.*, 1939, II, 3173.—The effects of Fe and Al phosphates and their complex compds. were compared with those of mono-, di- and tri-Ca phosphates when loamy podzol and chernozem were used as exptl. soils and oats and sugar beets as exptl. plants. There was no essential difference in the action of the 3 Ca phosphates on the podzol. If a value of 100 is assigned for the effectiveness of the Ca phosphates on this soil, that of the Fe phosphate is represented by 63. of at least 4:4 100 was necessary for good com. control. Addn. of oils or com. stickers did not increase the effectiveness of Bordeaux mixt. It was found that the amt. of Cu deposited on the leaves and fruit at the time the first spray is applied must be high. This can be accomplished by applying a high concn. of Bordeaux, such as 9:9 100, the first 1 or 2 sprayings and then 3:3 100 Bordeaux in subsequent sprayings.

K. D. Jacob

A5a SLA METALLURGICAL LITERATURE CLASSIFICATION

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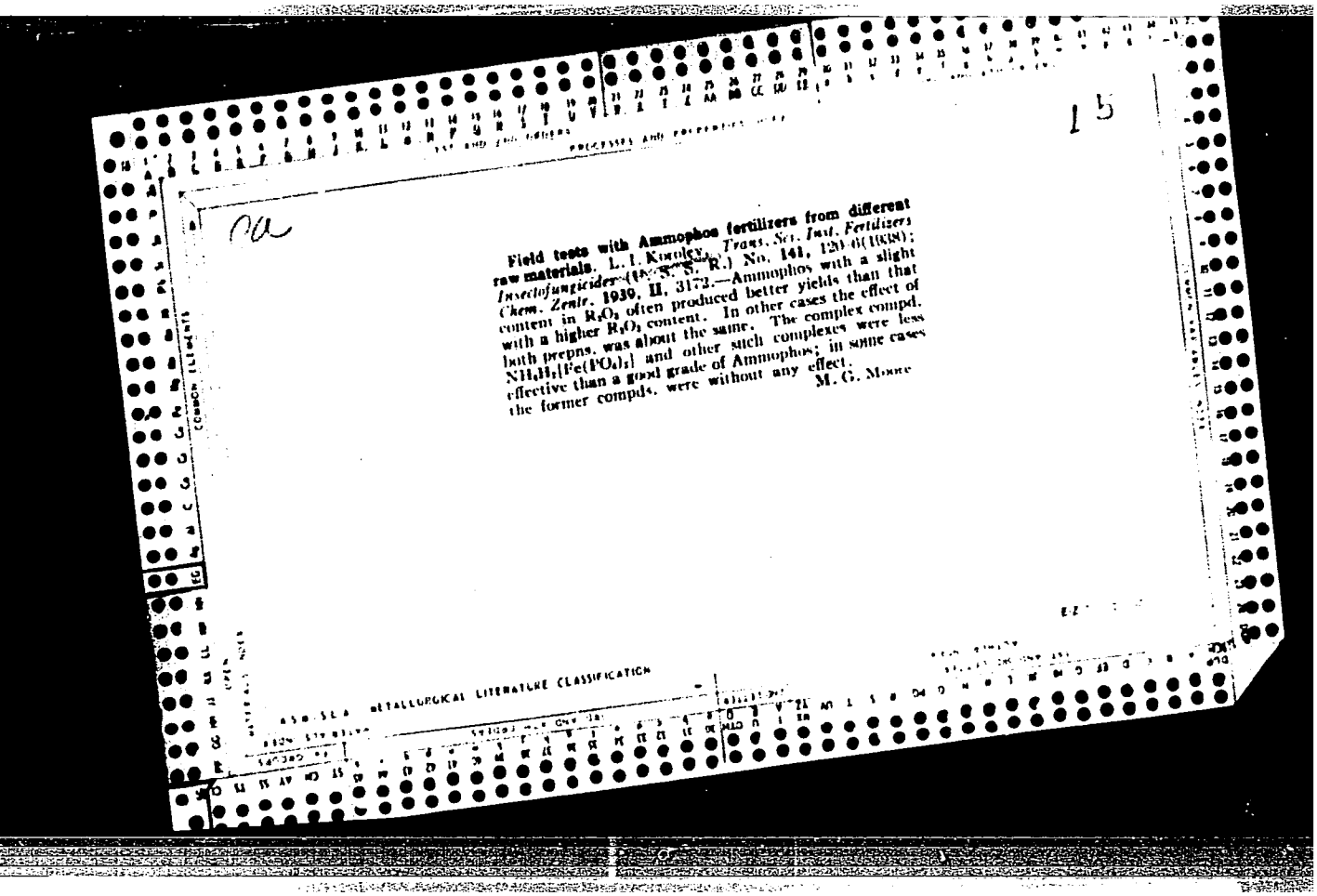

Field tests with Ammophos fertilizers from different raw materials. L. I. Kiroley. *Trans. Sci. Inst. Fertilizers Insectofungicides* (U.S.S.R.) No. 141, 120-6(1938); *Chem. Zentr.* 1939, II, 3172.—Ammophos with a slight content in R_2O_3 often produced better yields than that with a higher R_2O_3 content. In other cases the effect of both prepns. was about the same. The complex compd. $NH_4H_2[Fe(PO_4)_2]$ and other such complexes were less effective than a good grade of Ammophos; in some cases the former compds. were without any effect.

M. G. Moore

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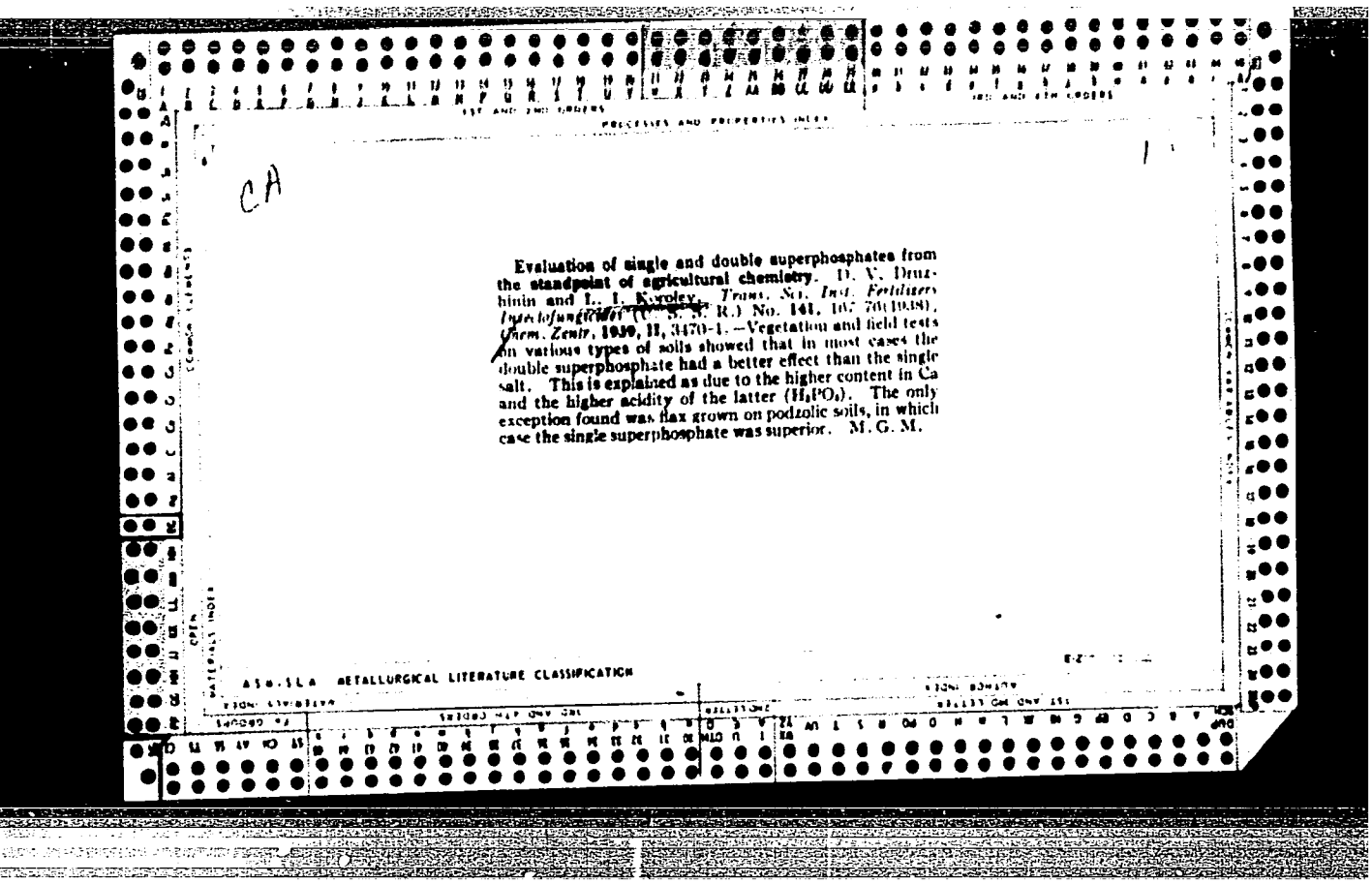

CA

Evaluation of single and double superphosphates from the standpoint of agricultural chemistry. D. V. Druzhinin and L. I. Kvrolev. *Trans. Sci. Inst. Fertilizers Insectofungicides* (U. S. S. R.) No. 141, 107–70(1938); *Chem. Zentr.*, **1939**, II, 3470–1.—Vegetation and field tests on various types of soils showed that in most cases the double superphosphate had a better effect than the single salt. This is explained as due to the higher content in Ca and the higher acidity of the latter (H_3PO_4). The only exception found was flax grown on podzolic soils, in which case the single superphosphate was superior. M. G. M.

A50-51A METALLURGICAL LITERATURE CLASSIFICATION

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