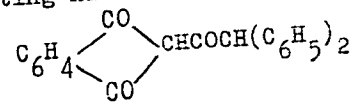
SOV/79-28-11-40/55

AUTHORS: Ozol, Ya.K., Zelmen, V.N., Vanag, G.Ya.

TITLE: 2-Diphenyl-Acetyl-Indandione-1,3 (2-Difenilatsetilindandion-1,3)

PERIODICAL: Zhurnal obshchey khimii, 1958, Vol 28, Nr 11, pp 3083-3085 (USSR)

ABSTRACT: Of late scientists became interested in the 2-substituted indandione-1,3 because of their physiological activity. According to data in publications some of them show an antibacterial, others an insecticide activity. The 2-phenyl-indandione is an active preparation against blood coagulation and is already used in medicine. The 2-diphenyl-acetyl-indandione-1,3 (I) is still more efficient. It differs from other traditional blood anticoagulants (e.g. diccumarol, phenylindandione) by the fact that already in smaller doses it causes a considerable decrease of the prothrombin level of the blood. Besides, it was found that the diphenyl-acetyl-indandione is a valuable means in fighting harmful rodent.



(I)

Compound (I) was synthesized by the condensation of the dimethyl

Card 1/2

ACCESSION NR: AP5011966

67(1539.53

AUTHORS: Vinogradskaya, Ye. L. (Riga); Ozolin', Ya. V. (Riga)

caprolactam

SOURCE: Mekhanika polimerov, no. 1, 1965, 17-25

TOPIC TAGS: plastic, polymer, aging process, polyamide, mechanical property

ABSTRACT: The effect of formation conditions on the phys... properties of polycaprolactam were studied. ... thermo... unstable because ...

... the temperature at which the process is carried out. ... temperature

Card 1/3

L 22[illegible]

ACCESSION NR: AP5011986

the less time is needed to read. [illegible]

properties. The [illegible]

[illegible]

increased during [illegible]

degree to which these processes [illegible]

the lower the ordering [illegible]

ASSOCIATION: none

Card 2/3

OZOL, Ya.K.; IYEVIN'SH, A.F., [Ievinš, A.F.]; VIMBA, S.G.

Pentahydrate of barium diborate $BaB_2O_4 \cdot 5H_2O$. Zhur. neorg. khim. 2 10:2423-2425 O '57. (MIRA 11:3)

1. Institut khimii AN Latviyskoy SSR.
(Hydrates) (Barium borate)

VIMBA, S.G.; IYEVIN'SH, A.F. [Jivins, A.F.]; OZOL, Ya.K. [Ozols, J.K.].

Tetrahydrate of barium borate $BaB_2O_4 \cdot 4H_2O$. Zhur. neorg. khim. 3 no.2: 325-327 F '58. (MIRA 11:4)

1. Institut khimii Akademii nauk Latviyskoy SSR.
(Barium borate) (Crystallography)

Ozol, Ya. K.

AUTHORS: Vimba, S. G., **Lyevin'sh**, A. F., Ozol, Ya. K. 78-2-11/43

TITLE: The Tetrahydrate of Barium-Diborate - $BaB_2O_4 \cdot 4 H_2O$ (Tetragidrat diborata **bariya** - $BaB_2O_4 \cdot 4 H_2O$)

PERIODICAL: Zhurnal Neorganicheskoy Khimii, 1958, Vol. 3, Nr 2, pp. 325-327 (USSR)

ABSTRACT: The synthesis of the tetrahydrate of barium-diborate is described. $BaB_2O_4 \cdot 4 H_2O$ is produced according to the following reaction: $BaCl_2 + Na_2B_4O_7 + 2 NaOH + 3 H_2O = BaB_2O_4 \cdot 4 H_2O + Na_2B_2O_7 + 2 NaCl$. The precipitated crystals are white. By crystallization at a pH-value of the solution of 11,7 crystals with a grain size of 2 mm are obtained. The analysis of the crystals is as follows

found % : BaO - 51,81 B_2O_3 - 23,49 H_2O - 24,58

calculated % : BaO - 51,98 B_2O_3 - 23,60 H_2O - 24,62

The thermal analysis shows an endothermal effect at 109° C and a second endothermal effect, which is connected with the

Card 1/2

The Tetrahydrate of Barium-Diborate - $BaB_2O_4 \cdot 4 H_2O$ 78-2-11/43

complete giving off of the crystallization water at 127° C. The tetrahydrate of bariumdiborate crystallizes in prismatic form with the following parameter: a = 10,08 Å, b = 16,60 Å and c = 8,37 Å. The following values were calculated from this parameter:

1. a : b : c = 0,607 : 1 : 0,504
2. Volume of the lattice unit: V = abc sin β = 1340,73 Å
3. Number of molecules in the lattice unit: Z = 8
4. X-ray density = 2,92 g/cm³.

There are 2 figures, 1 table and 4 references, 1 of which is Slavic.

ASSOCIATION: Chemical Institute AS Latvian SSR (Institut khimii Akademii nauk Latviyskoy SSR)

SUBMITTED: April 29, 1957

AVAILABLE: Library of Congress

Card 2/2

USSR/Inorganic Chemistry - Complex Compounds. C.

Abs Jour : Ref Zhur - Khimiya, No 9, 1957, 30279

of B_2O_3). Solubility of I at 20, 30, 40 and 50° has been determined. X-ray study has shown that I is isomorphous with $KB_5O_8 \cdot 4H_2O$ (Zachariasen W.H., Z. Kristallogr., 1938, 98, 266); lattice parameters of I: a 11.09, b 11.28, c 9.27 kX, ρ 1.55, ρ (x-ray) 1.549, z = 4.

Card 2/2

VANAG, G.Ya. [Vanags, G.]; OZOL, Ya.Ya. [Ozols, J.]

Reaction of 2-halo-2-methyl-1,3-indandione with aromatic and heterocyclic amines. Zhur.ob.khim. 32 no.5:1436-1441 My '62. (MIRA 15:5)

1. Institut organicheskogo sinteza AN Latviyskoy SSR.
(Indandione) (Amines)

OZOL, Ye. A.

"Electrocardiographic Analysis of Flutter Arrhythmia." Cand Med Sci, Kazan' State Inst for the Advanced Training of Physicians, Kazan', 1953. (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

OZOL, Ye.A.

Significance of electrocardiography in the differential diagnosis of rheumatic and atherosclerotic lessions of the heart in cardiac fibrillation. Terap.arkh. 28 no.5:37-42 '56. (MLRA 9:10)

1. Iz terapevticheskoy kliniki (zav. - prof. L.M.Rakhlin) Kazanskogo gosudarstvennogo instituta usovershenstvovaniya vrachey imeni V.I. Lenina.

(AURICULAR FIBRILLATION, etiology and pathogenesis, arteriosclerosis & rheum., ECG differ. diag. (Rus))
(CORONARY DISEASE, complications, arteriosclerosis causing auric. fibrill., ECG differ. diag. from rheum. (Rus))
(RHEUMATIC HEART DISEASE, complications, auric. fibrill., ECG differ. diag. from coronary arteriosclerosis (Rus))

LIKHTENSHTEYN, Khaim Geselevich; OZOL', Yevgeniy Georgiyevich; SHMUSHKOVICH, Yefim Abramovich; MAKRUSHINA, A.N., red.izd-va; POKHLEBKINA, M.I., tekhn.red.

[Floating plant for the manufacture of "silicalcite."] Plavuchii silikal'tsitnyi zavod. Moskva, Izd-vo "Rechnoi transport," 1960. 61 p. (MIRA 14:3)

(Building materials)
(Factories--Design and construction)

OZOL-KALNIN, G. [Ozol-Kalnins, G.]; PURIN, B. [Purins, B.]

Electrolytic deposition of nickel from sulfate electrolytes with additives of some organic and inorganic substances. Vestis Latv ak nol.:77-86 '61.

1. Institut khimii AN Latviyskoy SSR.

OZOL-KALNIN, G.[Ozol-Kalnins, G.]; PURIN, B.[Purins, B.]

Effect of alternating current on the electrolytic deposition of nickel. Report No.2. Polarization in nickel electrolytes with the superposition of an alternating current on direct durrent. Vestis Latv ak no.5:71-78 '61.

1. Akademiya nauk Latviyskoy SSR, Institut khimii.

OZOL-KALNIN, G.[Ozol-Kalnins, G.]; PURIN, B.[Purins, B.]

Effect of alternating current on the electrolytic deposition of nickel. Report 3. Electrolytic deposition of nickel on a nickel base with superposition of an alternating current on a direct current. Vestis Latv ak no.6:51-56 '61.

(Nickel plating)

OZOLA, E.; NEILANDE, A., red.; CAKSS, J., tekhn. red.

[Crossbreeding increases the productivity of geese]Krustosana cel zosu produktivitati. Riga, Latvijas Valsts izdevnieciba, 1961. 32 p. (MIRA 15:10)
(Latvia--Geese breeding)

VANAG, G.Ya. [Vanags, G.]; OZOLA, E.Ya.

Polynuclear heterocyclic compounds. Part 6: 4,6-Diphenyl-2,3(CO)-benzoylpyridine. Zhur.ob.khim. 32 no.4:1151-1159 Ap '62. (MIRA 15:4)

1. Institut organicheskogo sinteza AN Latviyskoy SSR.
(Pyridine) (Heterocyclic compounds)

OZOLEVSKAYA, G.V.; NEKRASOV, I.Ya.

Petrography and petrochemistry of trachyrhyolites, trachyandesites, and monzonites of Polevaya Mountain (northeastern Yakutia). Trudy IAFAN SSSR.Ser.Geol no.11:3-15 '62. (MIRA 15:7)
(Alazeya Plateau—Petrology)

L 31806-66 EWT(m)/EWP(j) RM

ACC NR: AP6021682 SOURCE CODE: UR/0079/66/036/003/0492/0494

AUTHOR: Zhdanov, Yu. A.; Dorofeyenko, G. N.; Korol'chenko, G. A.; Ozolin, A. E.

ORG: Rostov on the Don State University (Rostovskiy-na-Donu gosudarstvennyy universitet)

42
13

TITLE: Condensation of D-glyceraldehyde with phosphoranes

SOURCE: Zhurnal obshchey khimii, v. 36, no. 3, 1966, 492-494

TOPIC TAGS: condensation reaction, aliphatic aldehyde, chemical synthesis, organic phosphorus compound, substituent, , ester, nonmetallic organic derivative

ABSTRACT: A general method of synthesizing 1-C-aryl-substituted unsaturated pentuloses on the basis of the condensation of glyceraldehyde with benzoylmethylenetriphenylphosphorane and its derivatives is proposed. The preparation of four new unsaturated pentuloses is described. The ethyl ester of 4,5-D-dihydroxypentene-2-oic acid was obtained in the reaction of glyceraldehyde with carbethoxymethylenetriphenylphosphorane. Orig. art. has: 2 formulas. [JPRS]

SUB CODE: 07 / SUBM DATE: 05Feb65 / ORIG REF: 006 / OTH REF: 001

Card 1/1 LS UDC: 547.451.1+547.341

ZAV'YALOV, G.N.; KRYLOV, V.I.; OZOLIN, A.K.; RUDKOV, G.V.; KHATSKELEVICH, M.N., inzh.

Replies to the inquiries of our readers. Elek.i tepl.tiaga 7 no.1 43-44 Ja '63. (MIRA 16:2)

1. Glavnyy tekhnolog po avtotormosam Glavnogo upravleniya lokomotivnogo khozyaystva Ministerstva putey soobshcheniya (for Zav'yalov). 2. Nachal'nik tormoznoy laboratorii Moskovskogo tormoznogo zavoda (for Krylov). 3. Zamestitel' nachal'nika spetsial'nogo konstruktorskogo byuro Moskovskogo tormoznogo zavoda (for Ozolin). 4. Zamestitel' nachal'nika proyektno-tekhnologicheskogo otdela po remontu i ekspluatatsii teplovozov pri zavode im. Il'icha (for Rudkov).

(Railroads--Signaling) (Diesel locomotives)

KRYLOV, Vladimir Ivanovich; OZOLIN, A.K., inzh., red.; BORROVA, Ye.N., tekhn.red.

[Locomotive brakes] Tormoza lokomotivov. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 299 p. (MIRA 14:1)

(Railroads--Brakes)

KARVATSKIY, Bronislav Lyudvigovich, professor; KAZARINOV, Valentin Makarovich, professor; OZOLIN, A.K., inzhener, redaktor; YUDZON, D.M., tekhnicheskiy redaktor

[Automobile brakes] Avtotormoza. Moskva, Gos. transp.zhel-dor. izd-vo, 1956. 287 p. (MLRA 9:11)
(Automobiles--Brakes)

GRINIO, V.A., inzh.; OZOLIN, A.K., inzh.

New engineer's brake valve No. 222. Elek. i tepl. tiaga 2 no.7:19-21 Jl '58. (MIRA 11:7)

(Locomotives--Brakes)

OZOLIN, A.K., inzh.; KRYLOV, V.I., insh.

Air-fractionating apparatus No. 292 used for passenger trains.
Elek. i tepl. tiaga 3 no.1:23-26 Ja '59. (MIRA 12:2)
(Railroads--Brakes)

KRYLOV, Vladimir Ivanovich; OZOLIN, A.K., inzhener, redaktor; VERINA, G.P., tekhnicheskiy redaktor

[Automatic locomotive brakes] Avtotormoza lokomotivov. 3-e izd, ispr. i dop. Moskva, Gos. transp. zhel-dor. izd-vo, 1954. 383 p.
(Locomotives--Brakes) (MLRA 8:3)

OZOLIN, A.K.

SHAPOVALENKO, A.M., mladshiy nauchnyy sotrudnik;DMITRIYEV, A.V.; OZOLIN, A.K., inzh.

Diesel compressors used in diesel locomotives. Elek. i tepl. tiaga 2 no.1:16-17 Ja '58. (MIRA 11:3)

1.TSentral'nyy nauchno-issledovatel'skiy institut Ministerstva putey soobshcheniya (for Shapovalenko). 2.Glavnyy konstruktor Pervomayskogo tormoznogo zavoda (Dmitriyev).
(Diesel locomotives)

KRYLOV, Vladimir Ivanovich; OZOLIN, A.K., inzhener, redaktor; BERINA, G.P., tekhnicheskiy redaktor

[Automatic brakes of locomotives] Avtotormoza lokomotivov. Izd. 4-oe, ispr. i dop. Moskva, Gos. transp.zhel-dor. izd-vo, 1956. 378 p.
(Brakes) (Locomotives) (MLRA 9:12)

KRYLOV, Vladimir Ivanovich; OZOLIN, Aleksandr Karlovich; BRAYLOVSKIY, N.G., inzh., red.; KHITROVA, N.A., tekhn.red.

[New air distributor for passenger trains] Novyi vozdukhoraspredelitel' dlia passazhirskikh poezdov. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 46 p. (MIRA 13:6)

(Railroads--Brakes)

GRINIO, Vyacheslav Adol'fovich; KRYLOV, Vladimir Ivanovich; OZOLIN, Aleksandr Karlovich; KLYKOV, Ye.V., kand.tekhn.nauk, red.; VERINA, G.P., tekhn.red.

[Faucets of a railroad engineer; provisory numbers 222 and 254] Krany mashinista; uslovnye nomera 222 i 254. Moskva, Gos.transp.zhel-dor.izd-vo, 1959. 44 p. (MIRA 12:12)
(Railroads--Brakes)

KAZARINOV, V.M., doktor tekhn. nauk, zasl. deyatel' nauki i tekhniki RSFSR; KARMINSKIY, D.E., doktor tekhn. nauk, retsenzent ; OZOLIN, A.K., inzh., red.; KHITROVA, N.A., tekhn. red.

[Automatic brakes] Avtotormoza. Izd.2. Moskva, Transzheldorizdat, 1963. 238 p. (MIRA 16:9)
(Railroads—Brakes)

OZOLIN, Aleksandr Karlovich

KRYLOV, Vladimir Ivanovich; PEROV, Aleksandr Nikitich; OZOLIN, Aleksandr Karlovich; SARANTSEV, Yu.S., red.; VERINA, G.P., tekhn.red.

[Handbook on brakes] Spravochnik po tormozam. Moskva, Gos. transp.zhel-dor. izd-vo, 1957. 595 p. (MIRA 11:2)
(Railroads--Brakes)

GRINIO, Vyacheslav Adol'fovich; KRYLOV, Vladimir Ivanovich; OZOLIN, Aleksandr Karlovich; INOZEMTSEV, V.G., kand. tekhn.nauk, red.; VOROTNIKOVA, L.F., tekhn. red.

[Engineer's valves]Krany mashinista. Izd.2., dop. Moskva, Transzheldorizdat, 1962. 74 p. (MIRA 15:11)
(Locomotives—Valve-gears)

KRYLOV, V.I.; OZOLIN, A.K.

Discussion of Boiko and Senderov's article "Is there a need for emergency brake accelerators on freight trains." Elek.i tepl.tiaga 5 no.11:30-31 N '61. (MIRA 14:11)

1. Nachal'nik tormoznoy laboratorii Moskovskogo tormoznogo zavoda (for Krylov). 2. Zamestitel' glavnogo konstruktora Moskovskogo tormoznogo zavoda (for Ozolin).
(Railroads--Brakes)

KHATSKELEVICH, M.N., inzh.; ZAV'YALOV, G.N.; NOVIKOV, A.V., inzh.; OZOLIN, A.K., inzh.; LAPIN, V.B., inzh.; DANILOV, V.I., inzh.

Replies to the inquiries of our readers. Elek.i tépl.tiaga 5 no.9:45-46 S '61. (MIRA 14:10)

1. Glavnyy tekhnolog po avtotormozam Glavnogo upravleniya lokomotivnogo khozyaystva Ministerstva putey soobshcheniya (for Zav'yalov).
(Railroads—Brakes) (Diesel locomotives)
(Insulating oils)

KRYLOV, Vladimir Ivanovich; PEROV , Aleksandr Nikitich; OZOLIN, Aleksandr Karlovich; SAMANTSEV, Yu.S., red.

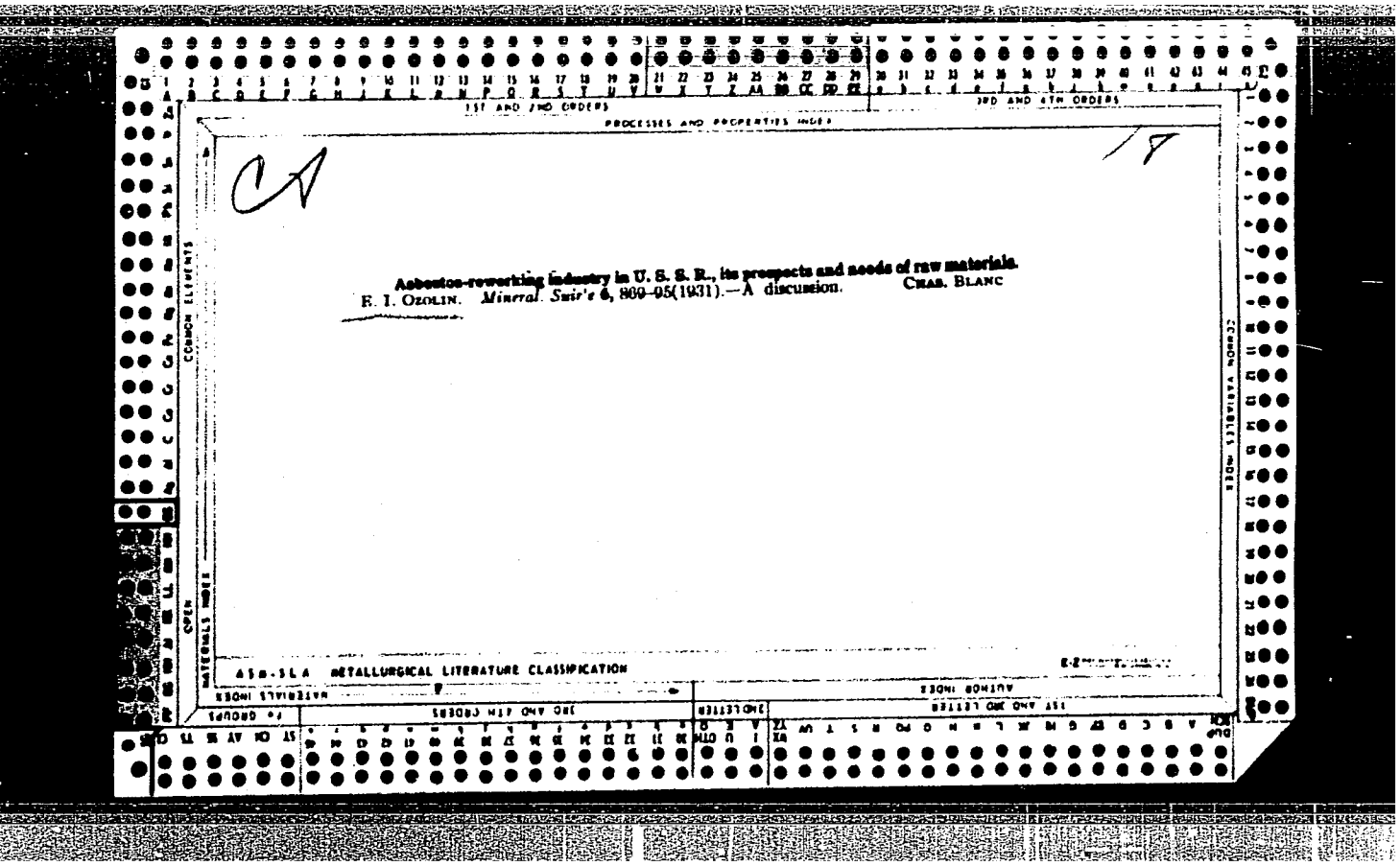
[Manual on brakes] Spravochnik po tormozam. Izd.2. Moskva, Transport, 1965. 509 p. (MIRA 18:6)

OZOLIN', A. ZH., CAND MED SCI, "Data ~~MATERIAL~~ ON THE STUDY OF LIPOID METABOLISM IN ANIMALS IN EXPERIMENTAL TUBERCULOSIS, IN RELATION TO CERTAIN ALIMENTARY FACTORS." RIGA, 1961. MIN OF HEALTH LASSR. RIGA MED INST). (KL-DV, 11-61, 229).

OZOLIN, B.V.; LERMAN, B.I.

Changes in the characteristics of producing horizon waters in the Bashkirian platform. Trudy UfNII no.4:69-88 '59. (MIRA 12:8)

(Bashkiria--Oil field brines)



Asbestos-reworking industry in U. S. S. R., its prospects and needs of raw materials.
E. I. Ozolin. *Mineral. Suir's* 6, 800–05(1931).—A discussion. Chas. Blanc

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

Import of mineral raw materials for the first half of the year 1931. E. I. Ozolin. *Mineral Syr'e* 6, No. 12, 1002-1100(1931).—A review CHAS. BLANC

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

NAZAREVSKIY, S.I.; MAKAROV, S.N.; PILIPENKO, F.S.; GERASIMOV, M.V.; IL'INSKAYA, M.L.; VEKSLER, A.I.,[deceased]; VASIL'YEV, I.M.; IL'INA, N.V.; SOKOLOV, S.Ya.; LOZINA-LOZINSKAYA, A.S.; SAAKOV, S.G.;ZALESSKIY, D.M.; AVRORIN, N.A.; IVANOV, M.I.; PRIKLADOV, N.V.; SOBOLEVSKAYA, K.A.; SALAMATOV, M.N.; MALINOVSKIY, P.I.; LUCHNIK, A.I.; KRAVCHENKO, O.A.; VEKHOV, N.K.; GROZDOV, B.V.; MASHKIN, S.; BOSSE, G.G.; PALIN, P.S.;(g. Shuya, Ivanovskoy oblasti); MATUKHIN; ZATVARNITSKIY, G.F.; GRACHEV, N.G.; CHERKASOV, M.I.; KIRKOPULO, Ye.N.; LEVITSKAYA,A.M.; GRISHKO, N.N.; LIKHVAR', D.F. VIL'CHINSKIY, N.M.; LYPA, A.L.; OREKHOV, M.V.; SHCHERBINA, A.A.; TSYGANKOVA, V.Z.; BARANOVSKIY, A.L.; GEORGIYEVSKIY, S.D.; STEPUNIN, G.A. OZOLIN, E.P.; LUKAYTENE, M.K.; KOS, Yu.I.; VAIL'YEV, A.V.; RUKHADZE, P.Ye.; VASHADZE, V.N.; SHANIDZE, V.M.; MANDZHAVIDZE, D.V.; KORKESHKO, A.L.; KOLESNIKOV, A.I.,(g. Sochi); SERGEYEV, L.I.; VOLOSHIN, M.P.; RYBIN, V.A.; IVANOVA, B.I.; RYABOVA, T.I.; GAREYEV, E.Z. ;RUSANOV, F.N.; BOCHANTSEVA, Z.P.; BLINOVSKIY, K.V.; KLYSHEV, L.K.; MUSHEGYAN, A.M.; LEONOV, L.M.

Talks given by participants in the meeting. Biul.Glav.bot.sada no.15: 85-182 '53.
(MLRA 9:1)

1. Glavnyy botanicheskiy sad Akademii nauk SSSR (for Makarov,Pilipenko, Gerasimov, Il'inskaya, Veksler); 2. Akademiya komunal'nogo khozyaystva imeni K.D. Pamfilova for Vasil'yev); 3. Vsesoyuznaya sel'skokhozyaystvennaya vystavka (for Il'ina); 4. Botanicheskiy sad Botanicheskogo instituta imeni V.L.Komarova Akademii nauk SSSR (for Sokolov, Lozina-Lozinskaya, Saakov); 5. Botanicheskiy sad Leningradskogo

(continued on next card)

NAZAREVSKIY, S.L.---(continued) Card 2.

gosudarstvennogo ordena Lenina universiteta (for Zalesskiy); 6. Polyarno-Al'piyskiy botanicheskiy sad Kol'skogo filiala imeni S.M. Kirova Akademii nauk SSSR (for Avrorin); 7. Botanicheskiy sak pri Tomskom gosudarstvennom universiteta (for Ivanov); 8. Botanicheskiy sad pri Tomskom gosudarstvennom universiteta imeni V.V. Kuybysheva (for Prikladov); 9. TSentral'nyy Sibirskiy botanicheskiy sad Zapadno-Sibirskogo filiala Akademii nauk SSSR (for Salamatov, Sobolevskaya); 10. Botanicheskiy sad Irkutsko gosudarstvennogo universiteta imeni A.A. Zhdanova (for Malinovskiy); 11. Altayskaya plodovo-yagodnaya opytnaya stantsiya (for Luchnik); 12. Bashkirskiy botanicheskiy sad (for Kravchenko); 13. Lesostepnaya selektsionnaya opytnaya stantsiya dekorativnykh kul'tur tresta Goszelenkhoz Ministerstva kommunal'nogo khozyaystva RSFSR (for Vekhov); 14. Bryanskiy lesokhozyaystvennyy institut (for Grozdov); 15. Botanicheskiy sad pri Voronezhskom gosudarstvennom universitete (for Mashkin); 16. Orekhovo-Zuyevskiy pedagogicheskiy institut (for Bosse); 17. Botanicheskiy sad pri Rostovskom gosudarstvennom universitete imeni V.M. Molotova (for Matukhin); 18. Botanicheskiy sad Kuybyshevskogo gorodckogo otdela narodnogo obrazovaniya (for Zatvarnitskiy); 19. Zoobotanicheskiy sad pri Kazanskom universitete (for Grachev); 20. Gosudarstvennyy respublikanskiy proektnyy institut "Giprokommunstroy" (for Cherkasov); 21. Botanicheskiy sad Odesskogo gosudarstvennogo universiteta imeni I.I. Mechnikova (for Kirkopulo); 22. Botanicheskiy sad pri Dnepropetrovskom gosudarstvennom universitete (for Levitskaya); 23. Botanicheskiy sad

(continued on next card)

NAZAREVSKIY, S.L.---(continued) Card 3.

Akademii nauk USSR (for Grishko, Likhvar', Vil'chinskiy); 24. Kiyevskiy sel'skokhozyaystvennyy institut (for Lypa); 25. Botanicheskiy sad Chernovitskogo gosudarstvennogo universiteta (for Orekhov); 26. Botanicheskiy sad pri L'vovskom gosudarstvennom universitete imeni Iv. Franko (for Shcherbina); 27. Botanicheskiy sad Khar'kovskogo gosudarstvennogo universiteta imeni A.M. Gor'kogo (for TSyganova); 28. Botanicheskiy sad Zhitomirskogo sel'skokhozyaystvennogo instituta (for Baranovskiy); 29. Botanicheskiy sad Akademii nauk Belorusskoy SSR (for Georgiyevskiy); 30. Institut biologii Akademii nauk Belorusskoy SSR (for Stepunin); 31. Botanicheskiy sad Akademii Litovskoy SSR (for Lukaytene); 32. Botanicheskiy sad Latviyskogo gosudarstvennogo universiteta (for Ozolin); 33. Kabardinskiy krayevedcheskiy botanicheskiy sad (for Kos); 34. Sukhumskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Vasil'yev, Rukhadze); 35. Batumskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Shanidze); 36. Tbilisskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Mandzhavidze); 37. Sochinskiy park Dendrariy (for Korkeshko); 38. Gosudarstvennyy Nikitskiy botanicheskiy sad imeni V.M. Molotova (for Sergeyev, Voloshin); 39. Krymskiy filial Akademii nauk SSSR (for Rybin); 40. Botanicheskiy sad Moldavskogo filiala Akademii nauk SSSR (for Ivanova); 41. Botanicheskiy sad Botanicheskogo instituta Akademii nauk Tadzhikskoy SSR (for Ryabova); 42. Botanicheskiy sad Kirgizskogo filiala Akademii nauk SSSR (for Gareyev); 43. Botanicheskiy

(continued on next card)

NAZAREVSKIY, S.L.---(continued) Card 4.

sad Akademii nauk Usbekskoy SSR (for Rusanov, Bochantseva); 44. Botanicheskiy sad Akademii nauk Turkmenskoy SSR (for Blinovskiy); 45. Respublikanskiy sad Akademii nauk Kazakhskoy SSR (for Kiyshev, Mushegyan).

(Botanical gardens)

[illegible], [illegible]

Some problems of the taxonomy of black poplar growing in Central Asia. Uzb. biol. zhur. 9 no.1:42-44 '65. (MIRA 18:6)

1. Sredneaziatskiy institut lesnogo khozyaystva.

USSR/Cultivated Plants - Commercial. Oil-Bearing. Sugar-Bearing. M-5

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29980

Author : Ozolin, G.P.

Inst : Central Asiatic Institute for Forestry.

Title : Creating a Mulberry Plantation by the Planting Method.

Orig Pub : Sb. rabot po lesn. kh-vu. M.-L., Goslesbumizdat, 1957, 30-33.

Abstract : Tests made by the Central Asiatic Institute for Forestry in 1950-1951 on the creation of a mulberry plantation by means of direct seed sowing have demonstrated that this method permits the setting up of plantations far off from special nurseries; owing to this the supply of planted material brings about savings. The plants in those plantations created by seed planting can be used one year earlier than when planted as saplings and seedlings.

Card 1/1

OZOLIN, G. R., (USSR)

"Effect of the Conditions of Nutrition on the Rate of Respiration in Barley Roots."

Report presented at the 5th Int'l. Biochemistry Congress, Moscow, 10-16 Aug 1961.

OZOLIN, I.

USSR

Deputy Chairman of the Latvian Council of Ministers, (1949)

"First Year of Collective Farming in Latvia."
Izvestia, 1949

Current Digest of the Soviet Press, Vol. 1
No. 38, 1949 page 47. (In CIA Library)

OZOLIN I.

21920 OZOLIN, I.
O merakh vypolneniya v Latviyskoy SSR trekhletnego plana razvitiya obshchestvennogo kolkhoznogo i sobkhoznogo produktivnogo zhivotnovodstva. Bol'shevik Sob. Latvii, 1949, No 10, s. 19-32

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

CZOLIN, I. YU., BARANOV, A. KH.

Gall Bladders - Foreign Bodies

Unusual case of foriegn body in the gall bladder. Vest. khir. 72 No. 2, 1952

9. Monthly List of Russian Accessions, Library of Congress, August 1952, Uncl.

OZOLIN, I.Yu. (Vladivostok)

Problem of circumscribed tuberculous osteomyelitis of the cranial vault. Vop.neirokhir. 24 no.6:44-45 N-D '60. (MIRA 14:1)
(SKULL--TUBERCULOSIS)

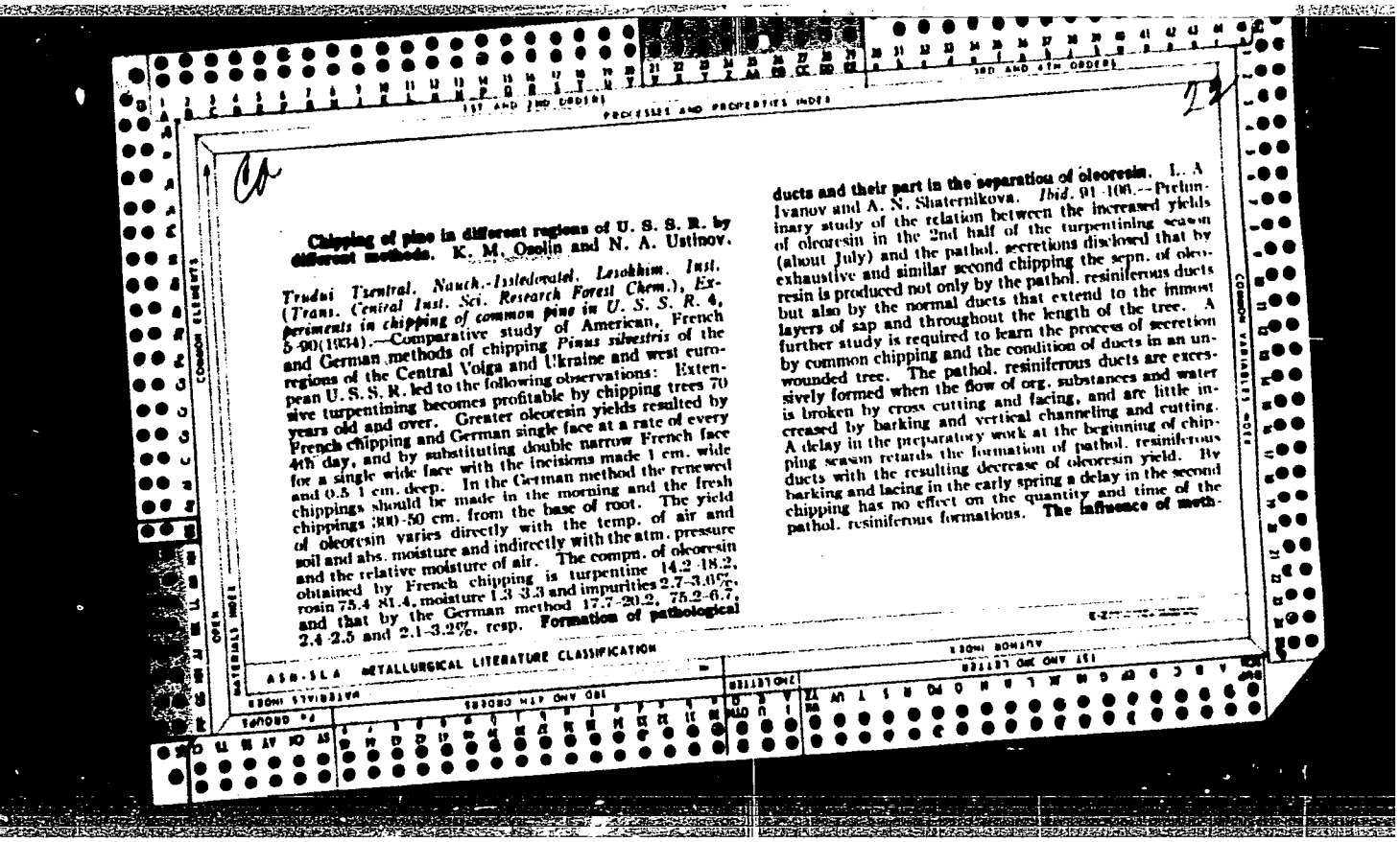
ODIN', Ya.[Odins,J.]; BUSH,K.[Buss,K.]; KLYAVIN', Ya. [Klavins,J.]; MAYKE,P.[Maike,P.]; GRUZIS,A., kand. sel'khoz.nauk, retsenzent; OZOLIN,K.[Ozolins,K.], inzh., lesokhoz., retsenzent; LIELPETERS,P., red.; KRASOVSKA, M., tekhn. red.

[Drainage of forests] Mezu nosusinasana. By J.Odins. and others. Riga, Latvijas Valsts izdevnieciba, 1960. 282 p. [In Latvian] (MIRA 14:12)

(Latvia—Forests and forestry) (Drainage)

OZOLIN, K. M.

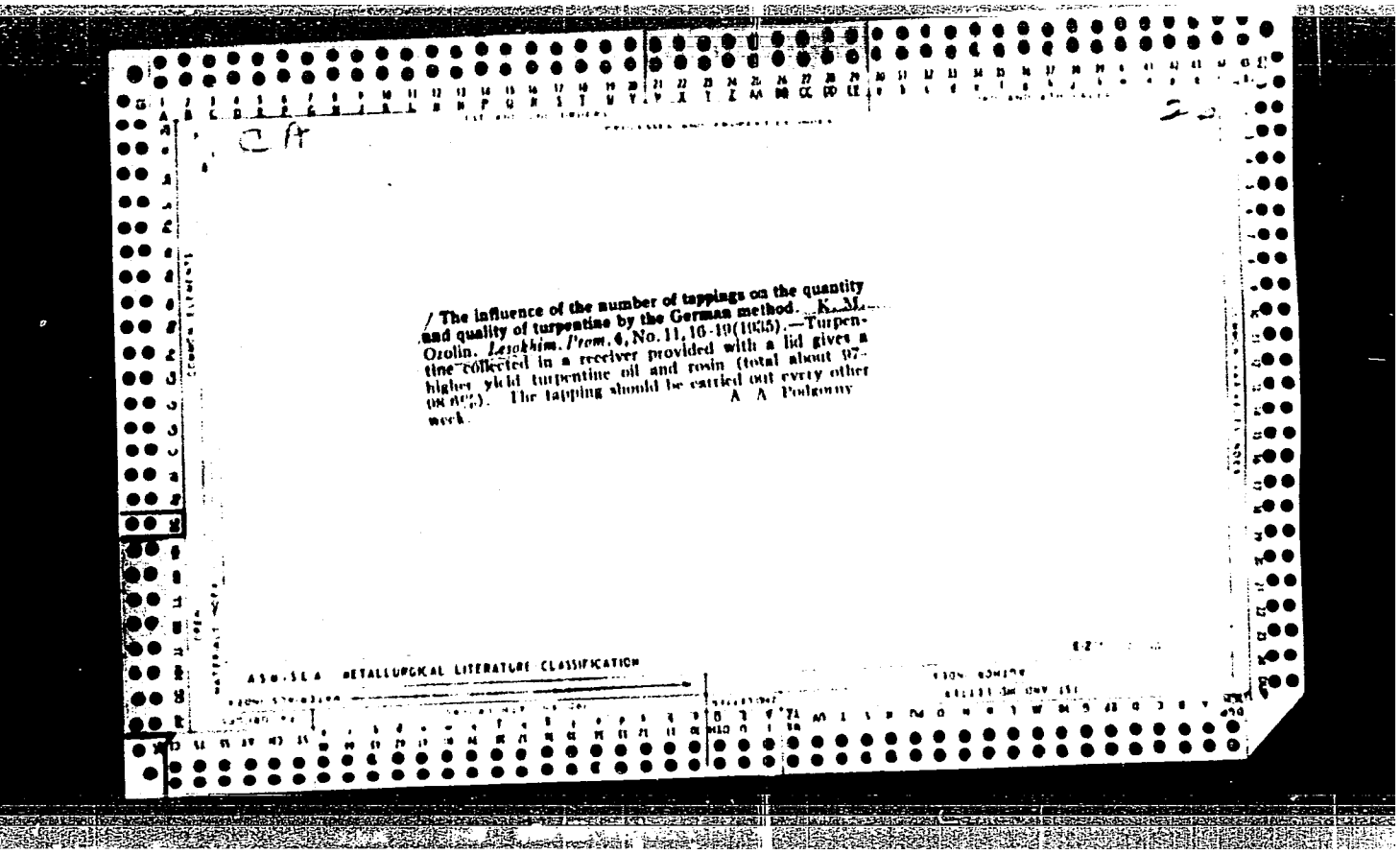
—The influence of the number of tappings on the quantity and quality of turpentine by the German method. K. M. Ozolin. *Lesokhim. Prom.*, 4, No. 11, 16-19(1935).—Turpentine collected in a receiver provided with a lid gives a higher yield turpentine oil and rosin (total about 97–98.6%). The tapping should be carried out every other week. A. A. Podgorny



Chipping of pine in different regions of U. S. S. R. by different methods. K. M. Osolin and N. A. Ustinov. *Trudui Tsentral. Nauch.-Issledovatel. Lesokhim. Inst.* (*Trans. Central Inst. Sci. Research Forest Chem.*), *Experiments in chipping of common pine in U. S. S. R.* 4, 5-90(1934).—Comparative study of American, French and German methods of chipping *Pinus silvestris* of the regions of the Central Volga and Ukraine and west european U. S. S. R. led to the following observations: Extensive turpentining becomes profitable by chipping trees 70 years old and over. Greater oleoresin yields resulted by French chipping and German single face at a rate of every 4th day, and by substituting double narrow French face for a single wide face with the incisions made 1 cm. wide and 0.5 1 cm. deep. In the German method the renewed chippings should be made in the morning and the fresh chippings 30-50 cm. from the base of root. The yield of oleoresin varies directly with the temp. of air and soil and abs. moisture and indirectly with the atm. pressure and the relative moisture of air. The compn. of oleoresin obtained by French chipping is turpentine 14.2-18.2, rosin 75.4 81.4, moisture 1.3 3.3 and impurities 2.7-3.0%; and that by the German method 17.7-20.2, 75.2-6.7, 2.4 2.5 and 2.1-3.2%, resp. **Formation of pathological ducts and their part in the separation of oleoresin.** L. A Ivanov and A. N. Shaternikova. *Ibid.* 91-106.—Preliminary study of the relation between the increased yields of oleoresin in the 2nd half of the turpentining season (about July) and the pathol. secretions disclosed that by exhaustive and similar second chipping the sepn. of oleoresin is produced not only by the pathol. resiniferous ducts but also by the normal ducts that extend to the inmost layers of sap and throughout the length of the tree. A further study is required to learn the process of secretion by common chipping and the condition of ducts in an unwounded tree. The pathol. resiniferous ducts are excessively formed when the flow of org. substances and water is broken by cross cutting and facing, and are little increased by barking and vertical channeling and cutting. A delay in the preparatory work at the beginning of chipping season retards the formation of pathol. resiniferous ducts with the resulting decrease of oleoresin yield. By barking and lacing in the early spring a delay in the second chipping has no effect on the quantity and time of the pathol. resiniferous formations. **The influence of meth-**

ods of rechipping on the yields and quality of oleoresin and the productivity of labor. I. V. Vulnotzkii. *Ibid.* 107-43. —The results of 4 years of experimentation in turpentining are thus summarized: The German single-face chipping is considered as the most effective with the max. reduction of oleoresin yield of only 3-11% for 12-cm. and 13% for 16-cm. face and 21.7-41% increase in labor productivity as compared with the common German method, and with oleoresin of similar compn. The combined German-American method shows an advantage over the German procedure only when the chipping is made at a height of not less than 0.8 m. and chiefly in the 1st year of tapping, with an increase of 5.7-6.8% in oleoresin yield and 5.0% in labor productivity. The American method is more effective than the German by ascending chipping (over the old incisions) at a cutting angle of 75°, producing 11% reduction in oleoresin yield and greatly increased labor productivity (19% of chipping and 10% of oleoresin) with 1% decrease of turpentine in oleoresin. The method of stepwise rechipping with the gradually increased depressions of incisions is very profitable, resulting in 50% reduction of face surface and labor and 14.3% increase of oleoresin when applied to trees with trunks of large diam. The double-face German-American method gives 50% economy of receptacles and produces oleoresin with a higher turpentine content, but in other respects is unprofitable. **The influence of the time of beginning of the chipping season on the yield of oleoresin (results of experiments for the years 1930-1932).** I. V. Vulnotzkii. *Ibid.* 144-69. —The yields of oleoresin are smaller the later in the season the chipping begins and the more frequent the refacings are, the reduction is more pronounced in a dry and hot summer (deficiency of moisture) and in the 1st year of working. The gross yield per face is greater in a shortened season and rapid reface than in the same period with normal reface. Late-season chipping with the normal reface succession results in a small reduction of yield in the 1st year and a marked increase in the 2nd year. Trees chipped late in the 1st season produce greater yields in the 2nd season by late rechipping than by seasonable one. **Profitableness of different methods of chipping and their rationalization.** S. P. Martunyuk. *Ibid.* 170-204. —Extensive tabular presentation with illustrations and discussion of the results of exptl. turpentining by various existing and somewhat modified methods. A revision of some Russian tech. terms is proposed.

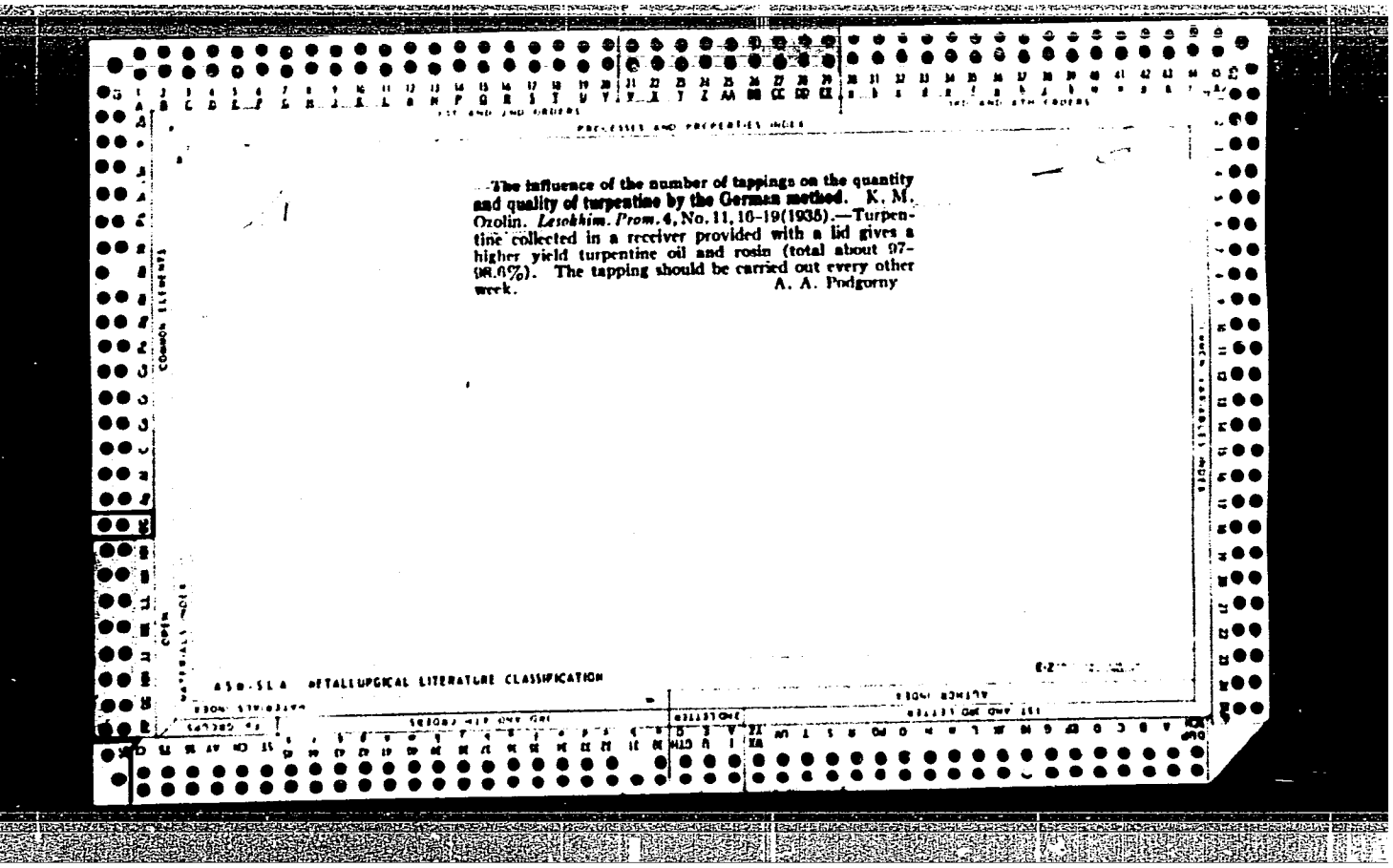
Chas. Blanc



The influence of the number of tappings on the quantity and quality of turpentine by the German method. K. M. Ozolin. *Lesokhim. Prom.* 4, No. 11, 16-19(1935).—Turpentine collected in a receiver provided with a lid gives a higher yield turpentine oil and rosin (total about 97-98%). The tapping should be carried out every other week.

A A Podgorny

ASM/SLA METALLURGICAL LITERATURE CLASSIFICATION



The influence of the number of tappings on the quantity and quality of turpentine by the German method. K. M. Ozolin. *Lesokhim. Prom.* 4, No. 11, 16–19(1935).—Turpentine collected in a receiver provided with a lid gives a higher yield turpentine oil and rosin (total about 97–98.6%). The tapping should be carried out every other week.
A. A. Podgorny

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

OZOLIN, L.T., kand.tekhn.nauk

Introduction of new equipment and improvement of the technology of ore dressing in the Olenegorsk Plant. Gor. zhur. no.8:53-57 Ag '63. (MIRA 16:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut mekhanicheskoy obrabotki poleznykh iskopayemykh, Leningrad.
(Olenegorsk region--Ore dressing)

BOGDANOVA, Z. S.; OZOLIN, L. T.

Conference on the production and dressing of iron ores from the Kursk Magnetic Anomaly. Obog. rud. 7 no.6:43 '62. (MIRA 16:4)

(Kursk Magnetic Anomaly--Iron ores)
(Ore dressing--Congresses)

OZOLIN, L.T.; KAZENNOV, M.N.

Comparing methods of classifying a material before jigging; tests at the Olenogorsk Plant. Obog. rud 7 no.3:12-17 '62. (MIRA 16:4)
(Olenogorsk—Ore dressing)

OZOLIN, L.T.; KAZENNOV, M.N.; PLATUNOV, A.A.

Flowsheets of regrinding and flotation of nonmagnetic products at the Olenegorsk Plant. Obog. rud 6 no.3:12-17 '61. (MIRA 14:11)
(Olenegorsk--Ore dressing)

OZOLIN, L.T.; KAZENNOV, M.N.

Industrial testing of new flowsheets for the treatment of magnetic concentrates at the Olenogorsk Plant. Obog. rud 6 no.1:3-9 '61. (MIRA 14:8)

(Olenogorsk--Magnetic separation of ores)

TITKOV, N.P.; BOGDANOVA, Z.S.; KRUGLIKOV, M.M.; OZOLIN, L.T.; PAVLOVA, K.S.; SHAPIRO, R.B.

Research carried on by the Institute of Mechanical Mineral Processing on iron ore dressing. Obog. rud 2 no.5:42-50 '57. (MIRA 11:11)
(Metallurgical research) (Iron ores) (Ore dressing)

SOV/137-58-7-14016

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 4 (USSR)

AUTHORS: Kazennov, M. N., Ozolin, L. T., Fomin, Ya. I.

TITLE: Beneficiation of the Hematite-magnetite Ores of the Olenegorsk Deposit (Obogashcheniye gematito-magnetitovykh rud Olenegorskogo mestorozhdeniya)

PERIODICAL: [Tr.] Vses. n.-i. i proyektn. in-ta mekhan. obrabotki poleznykh iskopayemykh, 1957, Nr 102, pp 11-42

ABSTRACT: The dressability of the ore was tested by a variety of procedures: wet and dry magnetic separation on separators having a weak magnetic field to separate the magnetite concentrate, dry separation on strong-field separators and gravitational processes to separate the hematite concentrate, and the magnetic roasting process to separate magnetite and hematite concentrates. The procedure developed, including magnetic separation and gravitation, permits the production of a concentrate containing 60% Fe, with recovery of 90% of the Fe. A flotation method has been successfully developed at the Mekhanobr institute to dress finely-disseminated hematite ores. The launching of the first production line of the mill showed that

Card 1/2

SOV/137-58-7-14016

Beneficiation of the Hematite-magnetite Ores of the Olenegorsk Deposit

uninterrupted operation and attainment of the planned qualitative and quantitative indices requires a change in the process procedure. The changes are the following: employment of 2-stage comminution, introduction of secondary separation by magnetic means, secondary crushing of the middlings with the initial ore, elimination of the two-cell pulsator jigs provided to precipitate the middlings after fine grinding, and replacement of the filters provided in the design by spiral classifiers. Tests were made of "plan-filters" [interpreted to mean an Oliver-type plane-surface rotating vacuum filter. Transl. Ed. Note] which dewatered the concentrate to 9% moisture content. It is recommended that secondary separation of the concentrate and flotation be introduced.

A. Sh.

1. Iron ores--Processing 2. Iron ores--Flotation

Card 2/2

SOV/137-57-11-20817

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 11, p 25 (USSR)

AUTHOR: Ozolin, L. T.

TITLE: An Investigation Into the Removal of Moisture from Nikopol' Manganese Concentrates (Issledovaniya po udaleniyu vlagi iz Nikopol'skikh margantsevykh kontsentratov)

PERIODICAL: Obogashcheniye rud, 1956, Nr 5, pp 16-22

ABSTRACT: It is established than Mn concentrates do not freeze at temperatures down to -15°C and moisture contents of up to 10-12%. The percentage moisture content at which freezing will not occur depends upon the grain size of the concentrate. Coarse types should be dewatered on 5-8 mm screens, and salt, lime, and similar substances should be added to them. Fine concentrate is best treated by sintering, as filtration or centrifuging leaves 19-22% moisture.

I. M.

Card 1/1

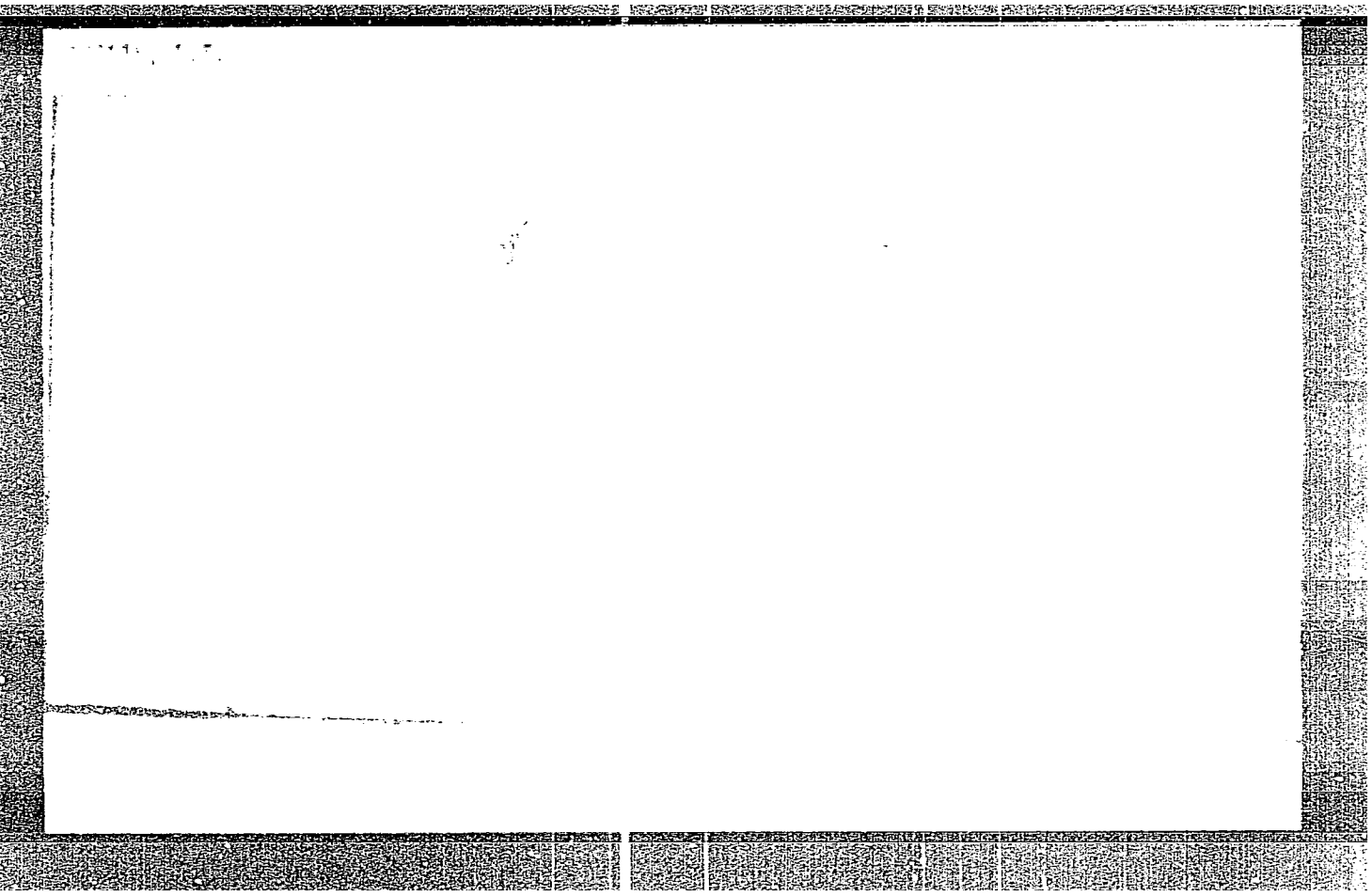
OZOLIN, L.T., GALAKTIONOVA, K.N.

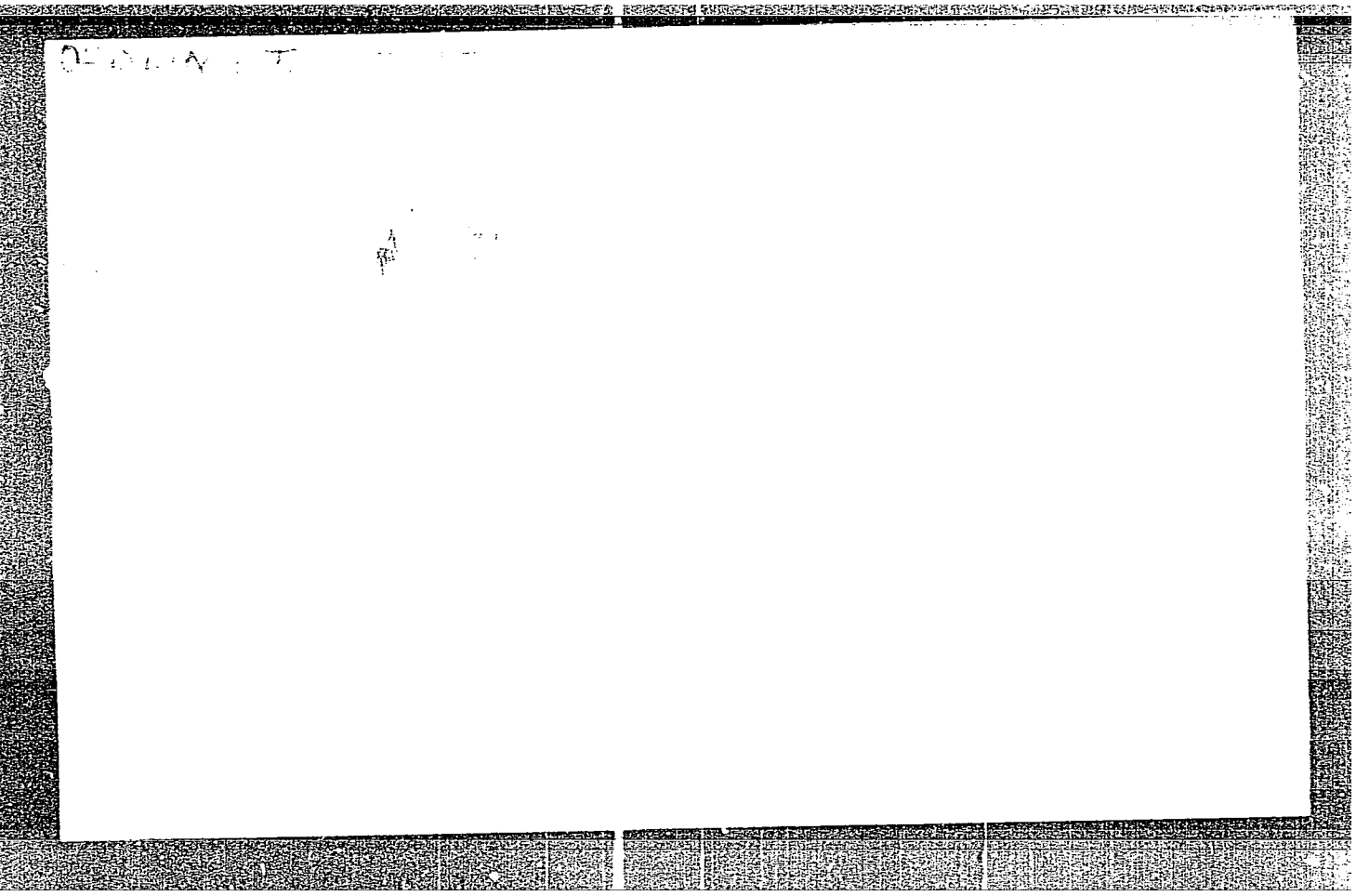
Ways of increasing iron recovery and improving the quality of concentrates at the Olenogorsk Plant. Obog. rud 3 no.2:17-23 '58. (MIRA 11:11)
(Olenogorsk--Ore dressing) (Iron ores)

TITKOV, N.P.; BOGDANOVA, Z.S.; GALAKTIONOVA, K.N.; KUROVA, M.D.; LAKOTA, B.M.; OZOLIN, L.T.; Prinimali uchastiye: CHRKOVA, K.I.; ASHITKOV, Yu.R.; SMIRNOV, Ye.A.; PLATUNOV, A.A.; GALICH, V.M.; PATKOVSKAYA, N.A.; VLODAVSKIY, I.Kh.; GORLOVSKIY, S.I.

Outlook for introducing the flotation of ferrous metal ores. Gor. zhur. no.9:57-62 S '62. (MIRA 15:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut mekhanicheskoy obrabotki poleznykh iskopayemykh, Leningrad.
(Flotation) (Iron ores) (Manganese ores)





OZOLIN, L.T., kandidat tekhnicheskikh nauk.

Investigations on the removal of phosphorus from assays taken from Abakan iron ore deposits. Trudy Mekhanobr. no.95:42-52 '56.
(MLRA 10:1)
(Abakan Range--Iron ores-- Testing) (Ores--Sampling and estimation)
(Phosphorus)

OZOLIN, L.T., kandidat tekhnicheskikh nauk.

Moisture content tolerance in dry magnetic separation of roasted ores. Trudy Mekhanobr. no.95:53-59 '56. (MLRA 10:1)
(Magnetic separation of ores) (Akkerman--Iron ores--Testing)

OZOLIN, L.T., kand.tekhn.nauk; KAZENNOV, M.N.

Hydrostatic indicator of pulp density in jigs. TSvet.met. 28 no.4:7-8 Jl-Ag '55. (MIRA 10:11)
(Ore dressing)

USSR.

Basic parameters of jigging. L. T. Ozolin. *Gornyi Zhur.* 1935, No. 4, 37–44.—The effect of oscillation frequency, amplitude, rate of ascending liquid, and time on completeness of sepn. in jigging was studied in a lab. jig. The screen, load, wt. of sample, and ratio of heavy to light fraction in the sample were kept const. throughout the expts. The oscillation frequency and the amplitude exerted an interdependent effect. The optimum values for these 2 factors varied with the particle size of the sample. The rate of ascending liquid and the duration of drop of the particles were closely interrelated with the oscillation frequency and amplitude. M. Hosen

OGLIN, I.T.; MININ, A.A.

Efficient flow sheet for the dressing of iron quartzite from the Mikhaylovka deposit in the Kursk Magnetic Anomaly. Trudy Mekhanobr no.133:101-124 '63. (MIRA 18:1)

OZOLIN, M. Ya. In Latvian

OZOLIN, M. Ya. -- "Cultivation of Soybeans Under Conditions Prevailing in the Latvian SSR." Latvian Agricultural Academy, 1954. In Latvian (Dissertation for the Degree of Candidate of Agricultural Sciences)

SO: Izvestiya Ak. Nauk Latviyskoy. SSR, No. 9, Sept., 1955

1. OZOLIN, N. G.

2. USSR 600

4. Nervous System

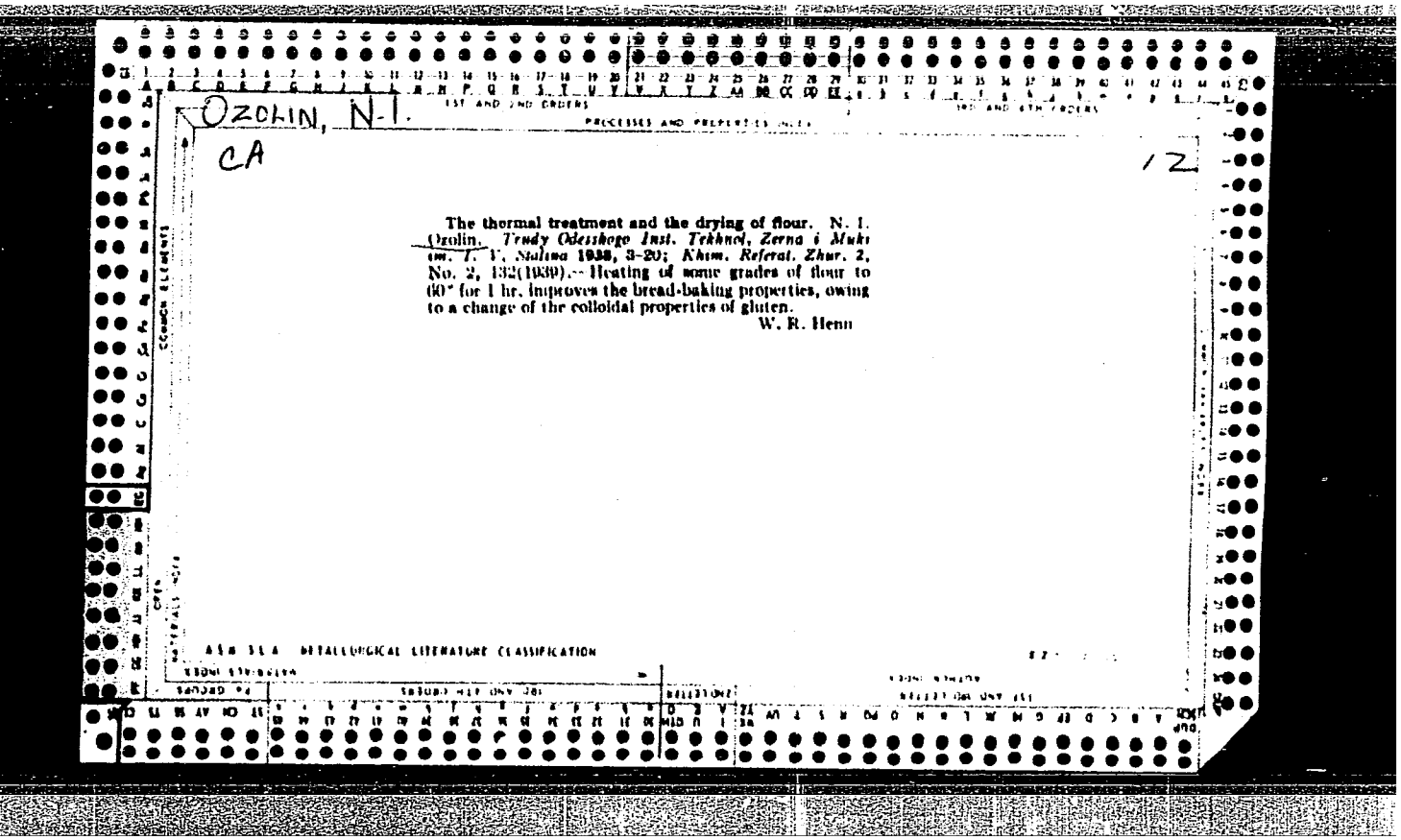
7. Using a dynamometer to measure variation in the tone of the nervous system of an athlete in training, Teor. i praf. fizkul, 15, No. 12, 1952.

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

OZOLIN, N.G., zasluzhennyy master sporta.

Seventeen million winners. Zdorov'e 2 no.10:8 O '56. (MLRA 9:11)

1. Direktor TSentral'nogo nauchno-issledovatel'skogo instituta fizicheskoy kul'tury.
(SPORTS)



OZOLIN, N-I.

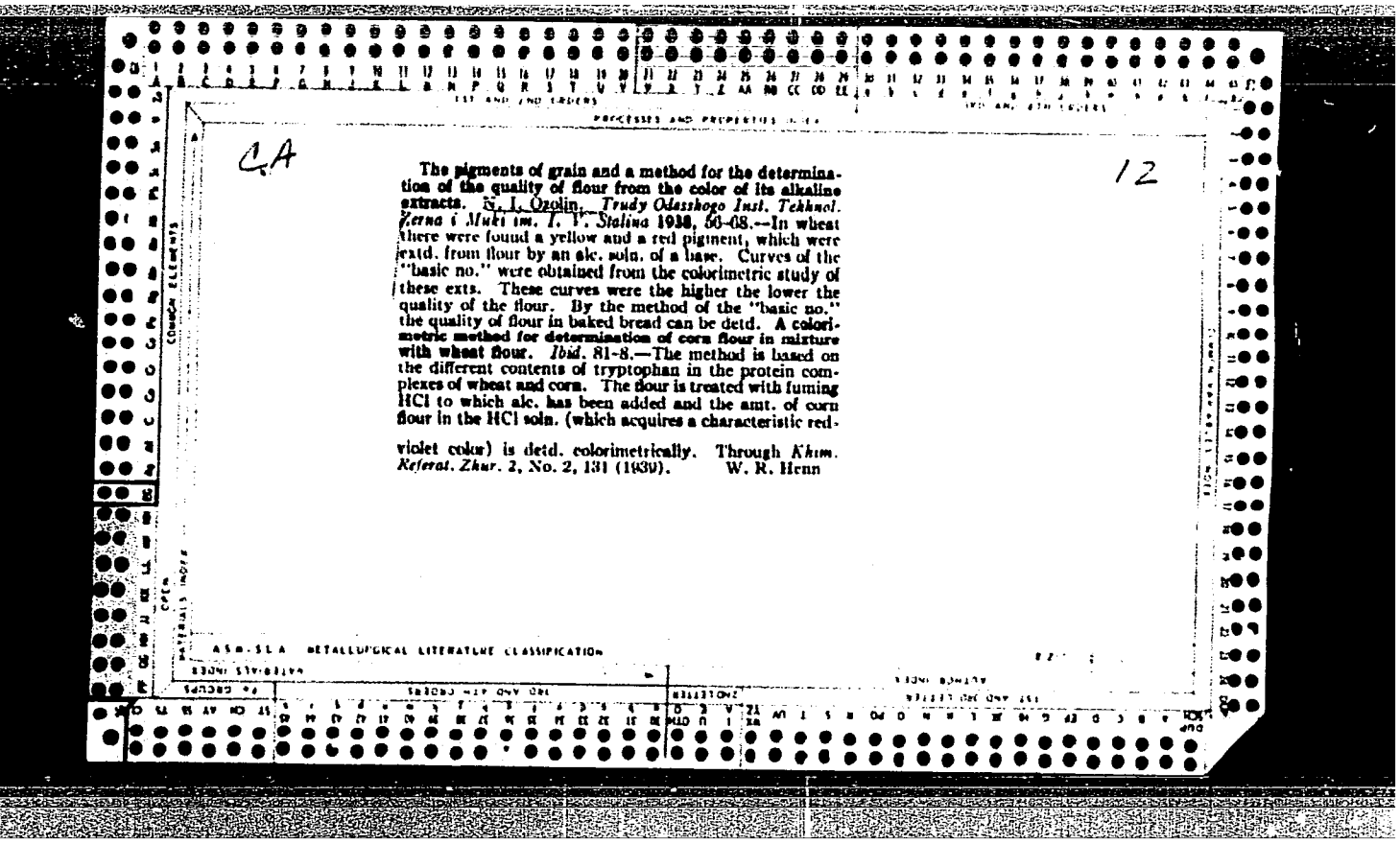
CA

12

The thermal treatment and the drying of flour. N. I. Ozolin. *Trudy Odesskogo Inst. Tekhnol. Zerna i Muki im. I. V. Stalina* **1938**, 3-20; *Khim. Referat. Zhur.* 2, No. 2, 132(1939).—Heating of some grades of flour to 60° for 1 hr. improves the bread-baking properties, owing to a change of the colloidal properties of gluten.

W. R. Henn

ASM 31.4 METALLURGICAL LITERATURE CLASSIFICATION



CA

12

The pigments of grain and a method for the determination of the quality of flour from the color of its alkaline extracts. N. I. Ozolin. *Trudy Odesskogo Inst. Tekhnol. Zerna i Muki im. I. V. Stalina* **1938**, 60-68.—In wheat there were found a yellow and a red pigment, which were extd. from flour by an alc. soln. of a base. Curves of the "basic no." were obtained from the colorimetric study of these exts. These curves were the higher the lower the quality of the flour. By the method of the "basic no." the quality of flour in baked bread can be detd. **A colorimetric method for determination of corn flour in mixture with wheat flour.** *Ibid.* 81-8.—The method is based on the different contents of tryptophan in the protein complexes of wheat and corn. The flour is treated with fuming HCl to which alc. has been added and the amt. of corn flour in the HCl soln. (which acquires a characteristic red-violet color) is detd. colorimetrically. Through *Khim. Referat. Zhur.* 2, No. 2, 131 (1939). W. R. Henn

OZOLIN, P.K. [Ozolins, P.K.].

Propagating dahlias by seeds. Trudy Bot.sada AN Uz.SSR no.5:61-70 '56. (MLRA 10:2)

(Dahlias)

OZOLIN, Petr Karlovich; KRAVCHENKO, Lyubov' Kononovna; KRIVONOSOVA, N.A., red.

[Cultivation of roses in Uzbekistan] Kul'tura roz v Uzbekistane. Tashkent, "Uzbekistan," 1965. 47 p.
(MIRA 18:12)

OZOLIN', R.K.

Formation of aspartic acid from fumarate in the cultures of Pseudomonas and Escherichia coli. Mikrobiologiia 32 no.5: 792-796 S-O'63 (MIRA 17:2)

1. Institut mikrobiologii AN SSSR.

OZOLIN', R.K.

Alanine dehydrogenase activity in relation to alanine synthesis in Mycobacterium strain 239. Mikrobiologiia 33 no.4:569-573 Jl-Ag '64. (MIRA 18:3)

1. Institut mikrobiologii AN SSSR.

OZOLIN', R.K.

Aspartic acid synthesis and aspartase activity in micro-organisms. Prikl. biokhim. i mikrobiol. 1 no. 6:707-715 N-D '65. (MIRA 18:12)

1. Institut mikrobiologii AN SSSR. Submitted May 7, 1965.

OZOLIN', R.K. [Ozolins, R.]

Alanine synthesis in micro-organisms. Izv. AN SSSR. Ser. biol. 31 no.1:92-114 Ja-F '66. (MIRA 19:1)

1. Institut mikrobiologii AN Latviyskoy SSR. Submitted July 27, 1965.

GOL'DFARB, Ya.L.; LITVINOV, V.P.; OZOLIN', S.A.

Thiophthene series. Report No.6: Cyclization of 3-acetonyl-mercaptothiophenes in the presence of aluminum chloride. Izv. AN SSSR. Ser. khim. no.3:510-515 '65. (MIRA 18:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

OZOLIN', U.Ye.[Ozoliņš, U.]; CHABLIS, A.A. [Čablis,A.]; STOROZHENKO, G., red.; PAEGLIS, Ya., tekhn. red.

[Experiment of the "Latvijas Berzs" plywood plant in the operation of the "Loewy" gluing press and in the improvement of the design of its individual assemblies] Opyt fanernogo zavoda "Latviias berzs" po ekspluatatsii kleil'nogo pressa firmy "Loevy" i konstruktivnym usovershenstvovaniiam ego otdel'nykh uzlov. Riga, TSentr. biuro tekhn. informatsii, 1960. 15 p. (MIRA 14:11)

(Latvia--Plywood industry--Equipment and supplies)
(Hydraulic presses)

OZOLIN, V.Ya., inzh.

Increasing the output of mills without an increase in power of their motors. Gor.zhur. no.7:75 Jl '60. (MIRA 13:7)

1. Obogatitel'naya fabrika Noril'skogo gorno-metallurgicheskogo kombinata.
(Crushing machinery--Electric driving)

OZOLIN, V.Ya.

Modernization of 3200 and 3100 UZTM ball mills. Obog.rud. 7 no.1:40-42 '62. (MIRA 15:3)

1. Noril'skiy kombinat.
(Crushing machinery)

OZOLIN, V.Ya.

Modernization of UZTM 3200 x 3100 ball mills. TSvet. met. 34 no.12:82-84 D '61. (MIRA 14:12)
(Crushing machinery)

SOV/137-58-7-14189

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 32 (USSR)

AUTHOR: Ozolin, V.Ya.

TITLE: Automatic Features of the Production Process and Process Control at the Noril'sk Dressing Mill (Avtomatika tekhnologicheskogo protsessa i kontrolya na Noril'skoy obogatitel'noy fabrike)

PERIODICAL: Materialy Soveshchaniya po vopr. intensifik. i usoversh. dobychi i tekhnol. pererabotki medno-nikelevykh i nikelevykh rud. 1956 g. Moscow, Profizdat, 1957, pp 139-144

ABSTRACT: A listing is presented of the electrical interlocks provided in the crusher departments and in the main building. A description is offered of mimic buses set up at control switchboards, of automatic sampling of the ore arriving at the mill, of sampling equipment for concentrates and tailings at each section of the mill, of an alkalinity meter for the measurement of the free CaO in the pulp on selective flotation, of a metal detector for the discovery of any magnetic metallic objects on the transporter, of the control and automatic regulation of the pulp at the outlet of the first- and second-stage classifiers, and of acoustic feed regulators for the ball mills.

Card 1/1 A.S.

1. Ores--Processing 2. Industrial production--Control

GENDEL'MAN, Yeva Isayevna; OZOLIN, V.Yu., kandidat tekhnicheskikh nauk, redaktor.

[What an electric welder should read to increase his qualifications; a list of recommended literature] Chto chitat' elektrosvarshchiku dlia povysheniia kvalifikatsii; rekomendatel'nyi ukazatel' literatury. Leningrad, 1956. 23 p. (MLRA 9:6)

1. Leningrad. Publichnaya biblioteka.
(Bibliography--Electric welding)

GRANSKIY, Viktor Isidorovich; OZOLIN, V.Yu., redaktor

[What a mechanic-fitter should read to improve his qualifications; a bibliography] Chto chitat' slesariu-sborshchiku dlia povysheniia kvalifikatsii; rekomendatel'nyi ukazatel' literatury. Pod red. V.IU. Ozolina. Leningrad, Gos. publichnaia biblioteka im. M.E.Saltykova-Shchedrina, 1956. 36 p. (MLRA 9:11)
(Bibliography--Mechanical engineering)

GRANSKIY, Viktor Isidorovich; OZOLIN, V.Yu., redaktor

[What to read on gas welding and cutting in order to improve one's qualifications; a bibliography] Chto chitat' gazosvarshchiku i gazorezchiku dlia povysheniia kvalifikatsii; rekomendatel'nyi ukazatel' literatury. Leningrad, 1956. 41 p. (MLRA 9:9)

1. Leningrad. Publichnaya biblioteka.
(Bibliography--Gas welding and cutting)

Ozolin, V. Yu.

137-58-1-911

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 130 (USSR)

AUTHORS: Benua, F.F., Ozolin, V.Yu.

TITLE: Investigation of the Automatic Arc-weld Surfacing of Brass on Gray Iron (Issledovaniye avtomaticheskoy elektrodugovoy naplavki latuni na seryy chugun)

PERIODICAL: Tr. Leningr. korablestroit. in-ta, 1956, Nr 19, pp 91-108

ABSTRACT: An investigation was made of the conditions of maximum deoxidation of the molten pool during the brass surfacing of gray iron intended for the build-up of the contact surfaces of valve casings and disks. The surfacing was accomplished by means of a bare electrode with a layer of a special flux and a low current and long arc. It is demonstrated that the maximum decrease of free energy is exhibited by the reduction reaction of the Zn that enters into the composition of the brass rods. Borax and boric acid may be employed as supplementary deoxidizers. Flux ingredients containing F (Na_3AlF_6) are used to forestall the formation of gas pores. NaCl, MgCl, and KCl are added to the flux to avoid slag inclusions in the facing metal. Tests of 10 Fluxes and 2

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137-58-1-911

Investigation of the Automatic Arc-weld Surfacing of Brass on Gray Iron

electrode coatings have lead to the following two recommended combinations: 1) borax 50 percent, Na_3AlF_6 20 percent, MgCl 7.5 percent, KCl 22.5 percent; 2) borax 25 percent, boric acid 10 percent, CaF_2 10 percent, NaCl 30 percent, and cuprosilicon 25 percent. In the facing of L-59 and L-62 upon SCh-15-32 iron it is established that the waste of Zn from the rods amounts to 30-40 percent; the percentual waste increases with increasing diameter of the rods. The hardness of the facing and the iron in the fusion zone increases in comparison with the materials in their initial states (H_B = 72-86 along the flux-welded facing). The thin interlayer of refined cast iron (0.05 - 0.1 mm) in the fusion zone has no influence on the mechanical treatment process. Separation tests revealed the strength of the junction to be 15.7 kg/mm^2; the specimens failed along the boundary between the refined and the gray iron. In pressurization tests at 10 atm. both the facing and the fusion zone were found to be gas-tight. A metallographic investigation revealed the absence of any fusion of the parent metal during the fluxed brass-surfacing process and the fusion of the brass with the parent metal through the thin interlayer of refined cast iron. Tables showing the chemical compositions of the cast irons and brasses employed, the materials used in the preparation of the fluxes, and the metal facing are provided, also the procedure and process engineering of the flux facing. Bibliography: 18 references.

V.S.

Card 2/2

1. Arc welding--Automation 2. Arc welding--Electrodes--Applications

Ozolin, V. Yu.

SUBJECT: USSR/Welding 135-1-2/14

AUTHOR: Benua, F.F., Candidate of Technical Sciences and Ozolin, V. Yu., Candidate of Technical Sciences

TITLE: "Research of automatic arc fusion welding of brasses L62 and LS59-1 on grey cast iron" (Issledovanie avtomaticheskoi elktro-dugovoi naplavki latunei Л 62 i Л 59-1 na seryi chugun)

PERIODICAL: "Svarochnoe Proisvodstvo", 1957, No. 1, pp 4-8 (USSR)

ABSTRACT: Experiments conducted in automatic and manual arc fusion-welding of copper alloys on steel and cast iron led to the achievement of a fused-on metal that is free of cast iron or slag particles, or pores, and with a sufficient surface hardness, strength of junction in work and absence of hard spots which would prevent finishing by cutting.

It states that no known fusion welding methods result in such properties as obtained in these experiments. Phosphorous copper (13 % P), siliceous copper (24 % Si), manganese copper (30 % Mn), and zinc were used as de-oxidizers, zinc proved to be the most effective de-oxidizer for the copper oxide contained in the brass welding rod. Siliceous copper alloys have

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TITLE: "Research of automatic arc fusion welding of brasses L62 and LS59-1 on grey cast iron" (Issledovanie avtomaticheskoi elktrodugovoi naplavki latunei Л-62 i Л-59-1 na seryi chugun)

135-1-2/14

Microstructure of the basic and fused-on metal at the juncture is shown. The article contains 3 figures, 5 tables, 4 photographs and 10 references, all Slavic (Russian).

INSTITUTION: Leningrad Institute of Water Transport Engineers - (Leningradskiy Institut Inzhenerov Vodnogo Transporta)

PRESENTED BY:

SUBMITTED:

AVAILABLE: At the Library of Congress

Card 3/3

PROSVIRIN, V.; OZOLIN', Ya. [Ozolins, J.]

Effect of initial stresses on the impact strength of certain plastics. Izv.AN Latv.SSR no.2:37-40 '63. (MIRA 16:4)

1. Institut avtomatiki i mekhaniki AN Latviyskoy SSR.
(Plastics--Testing)

S/197/63/000/002/001/005
B104/B186

AUTHORS: Prosvirin, V., Ozolin', Ya.

TITLE: The influence of initial tensions on the impact strength of some plastics

PERIODICAL: Akademiya nauk Latviyskoy SSR. Izvestiya, no. 2 (187), 1963, 37-40

TEXT: The influence of initial tensions produced by prestressing and precompressing on the variation of the impact strength at 20°C of polymethylmethacrylate and K-17-2 (K-17-2) phenoplast samples was investigated. The samples were prestressed by a lever system and precompressed by an elastic system. Impact strength was determined by means of a Charpy impact machine with a power of 0.825 kg·cm; the systems producing the tensions were so devised that the tensions do not vary during the bending process caused by the impact. The samples (5.4 cm, 5.50 cm) were cut out mechanically. All samples had a cup-shaped groove 0.3 mm deep. Results: The external compressive and tensile forces produce a tension field in the sample under the influence of which the molecule

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segments become reorientated. The oriented position of the molecules in the plastics increase the impact strength within the limits of elastic deformation. If the initial tension in polymethylmethacrylate is 3 kg/cm^2 the impact strength increases for 110%. If the initial tension is higher, the impact strength decreases. Similar results are obtained with compressed samples of polymethylmethacrylate and with K-17-2 samples. There are 4 figures.

ASSOCIATION: Institut avtomatiki i mekhaniki AN Latv. SSR
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SUBMITTED: October 22, 1962