ZUYEV, L.A.; ABASHEYEVA, N.Ye.

Effect of phosphate fertilizers on the ability of the cotton plant to absorb other mineral elements from old irrigated Sierozem soil in the Vakhsh Valley. Izv.Otd.est.nauk AN Tadzh. SSR no.12:95-98 '55. (MLRA 9:10)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
(Vakhsh Valley--Cotton growing) (Phosphates)

Utilization of stored phosphorus of seeds in sprouting. A. Zuev and F. P. Golubeva (M. V. Lomonosov State Univ., Moscow). *Doklady Akad. Nauk S.S.S.R.* 104, 929–31 (1955).—Studies of stored P in sprouting seeds of flax showed that phytin being the stored form of P is synthesized along with the main stored seed matter. Phytin is not synthesized in the sprout during sprouting and its decomposition occurs simultaneously with utilization of the total stored matter of the seed. G. M. Kondratieff

ZUYEV, L.A.; GOLUBEVA, P.F.

Effect of the nitrogen nutrition of winter rye sprouts on their absorption and metabolism of phosphorus compounds. Dokl. AN SSSR 119 no.5:993-995 Ap '58. (MIRA 11:6)

1.Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova. Predstavleno akademikom A.L. Kursanovym.
(Rye) (Fertilizers and manures)

ZUYEV, L.A.; GOLUBEVA, P.F.

Comparative effect of nitrogen, phosphorus, and potassium deficiencies on the absorption and metabolism of phosphorus in winter wheat in light and in the dark. Fiziol. rast. 9 no.1:41-47 '62.
(MIRA 15:3)

1. Biology-Soil Department, Moscow State University.
(Wheat--Fertilizers and manures)
(Phosphorus metabolism)

ZUYEV, L.A.; YU CHUN-BYAO [Yu Ch'ung-piao], ZIKRIYAYEVA, M.

Chlorosis manifestations in wheat in case of a high level of phosphate nutrition. Dokl. AN SSSR 136 no.4:975-978 F '61. (MIRA 14:1)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova. Predstavleno akademikom A.I. Oparinym.
(Wheat--Diseases and pests)
(Chlorosis (Plants)
(Plants, Effect of phosphorus on)

ZUYEV, L.A.; GOLUBEVA, P.F.

Effect of the conditions of potassium nutrition on phosphorus absorption and metabolism in wheat seedlings. Nauch.dokl.vys.shkoly; biol. nauki no.4:180-185 '60. (MIRA 13:11)

1. Rekomendovana kafedroy agrokhimii Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.
(WHEAT)
(PLANTS--ASSIMILATION)

ZUYEV, L.A., YU CHUN-BYAO [Yu Ch'ung-piao]

Absorption of labeled phosphorus by wheat and its incorporation into compounds of different fractions. Vest. Mosk. un. Ser. 6: Biol., pochv. 15 no.2:40-50 '60. (MIRA 13:7)

1. Kafedra agrokhimii Moskovskogo universiteta.
(Plants--Assimilation) (Phosphorus)

ZUYEV, L.A.; YU CHUN-BYAO [Yu Ch'ung-piao]

Metabolism of phosphorus compounds in tissues of different organs of the spring wheat plant. Dokl.AN SSSR 132 no.6:1434-1437 Je '60. (MIRA 13:6)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. Predstavleno akademikom A.I.Oparinym.
(PHOSPHORUS METABOLISM) (WHEAT)

ZUYEV, L.A., GRUSHEVAYA, T.N.

Effect of nutrition during the early development of spring wheat on ear formation. Nauch.dokl.vys.shkoly; biol.nauki no.2:159-165 '59. (MIRA 12:6)

1. Rekomendovana kafedroy agrokhimii Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.
(Wheat--Fertilizers and manures)

ZUYEV, L.A.; GOLUBEVA, P.F.

Effect of the conditions of nitrogen and phosphorus nutrition on the development and phosphorus metabolism of spring wheat seedlings. Fiziol.rast. 6 no.2:202-205 Mr-Ap '59. (MIRA 12:5)

1. Biology-soil department of the Moscow State University.
(Wheat--Fertilizers and manures)
(Phosphorus metabolism)

ZUJEW, L.A. [Zuyev, L.A.]

Diagnosis of various forms of a vasomotor rhinopathy. Otolaryng. Pol. 19 no.2:175-180 '65

1. Z Kliniki Chorob Ucha, Gardla i Nosa II Moskiewskiego Instytutu Medycznego (Kierownik: prof. B.S. Preobrazenski [Preobrazhenskiy, B.S.]).

FINKEL', V.M.; SAVEL'YEV, A.M.; ZUYEV, L.B.; SEREBRYAKOV, S.V.; KOROBOV, Yu.M.; ZUYEVA, I.B.

Interaction between a crack and dislocation boundaries. Fiz. tver. tela 7 no.5:1402-1412 My '65. (MIRA 18:5)

1. Sibirskiy metallurgicheskiy institut imeni Ordzhonikidze, Novokuznetsk.

FINKEL', V.M., kand.fiz.-matem.nauk; KUTKIN, I.A., inzh.; ZUYEV, L.B., inzh.

Growth and branching of cracks in glass. Stek. i ker. 23 no.1: 18-23 Ja '66. (MIRA 19:1)

1. Sibirskiy metallurgicheskiy institut.

L 1307-66 EWT(l)/EWT(m)/EWP(w)/EPF(c)/T/EWP(t)/EWP(b)/EWA(c) LJP(c) JD/JM/GG
ACCESSION NR: AP5012550 UR/0181/65/007/005/1402/1412

AUTHOR: Finkel', V. M.; Savel'yev, A. M.; Zuyev, L. B.; Gerebtyakov, S. V.; Korobov, Yu. M.; Zuyeva, I. B.

TITLE: Interaction of a crack with dislocation boundaries

SOURCE: Fizika tverdogo tela, v. 7, no. 5, 1965, 1402-1412

TOPIC TAGS: crack propagation, crystal lattice energy, lithium fluoride, crystal imperfection

ABSTRACT: This research was motivated by the lack of published data on the kinetics of interaction between a fast crack and boundaries or subboundaries having different energy levels, or data on the influence of the speed of the crack on the process of overcoming such barriers. There is likewise no information on the time necessary for the crack to break through a subboundary. The authors therefore investigated by polarization-optical and cinematrographic methods the breakthrough of slow and fast cracks through screw and inclined subboundaries with different orientations. The investigations were carried out on rock-salt and lithium-fluoride crystals. Samples measuring 0.3 x 0.6 x 2 cm with initial crack 5--7 mm long were tested with and without annealing. The time intervals necessary for the crack to overcome the boundary and the energy involved in this process were determined experimentally and

Card 1/3

L 1307-66

ACCESSION NR: AP5012550

calculated theoretically. The motion of a crack was measured both in air and in an etching solution. Fast crack motion was recorded by two means, photoelectrically and by high speed photography. The methods are briefly described. Crack propagation is stopped by the subboundary for a time ranging from 65 x 10^{-3} sec to as much as 500 x 10^{-3} sec, depending on the angle and other factors. In the case of screw boundaries the stopping time did not exceed 15 x 10^{-6} sec. The relation between the time necessary to break through a subboundary and the energy involved is illustrated in Fig. 1 of the Enclosure, where the continuous curve is the result of theoretical calculations and the horizontal lines are experimental values. The results confirmed the theoretical deduction that much more effort is necessary to push a crack in the etching solution than in air. Orig. art. has: 9 figures and 7 formulas.

ASSOCIATION: Sibirskiy metallurgicheskiy institut im. Sergo Ordzhonikidze, Novokuznetsk (Siberian Metallurgical Institute)

SUBMITTED: 01Dec64 ENCL: 01 SUB CODE: SS

NR REF SOV: 004 OTHER: 007

Card 2/3

L 1307-66

ACCESSION NR: AP5012550

ENCLOSURE: 01

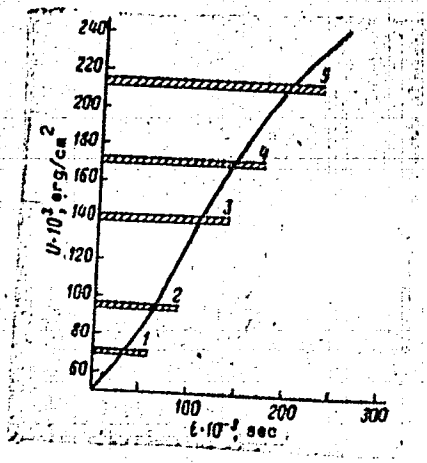


Fig. 1. Graphic interpretation of time necessary for a crack to break through a sub-boundary.

1 - 5 -- Total energy of torsion boundaries with disorientation angles 2°, 3°, 5°, 6°30', and 9°.

Dependence of the elastic energy of cleaved halves of a crystal, represented in the form of a curve crossing the horizontal levels.

Card 3/3

FINKEL', V.M.; KUTKIN, I.A.; SAVEL'YEV, A.M.; ZRAYCHENKO, V.A.; ZUYEV, L.B.; KOSITSINA, V.K.

Kinetics of the propagation of cracks in bismuth single crystals. Kristalografiia 8 no.5:752-757 S-O '63. (MIRA 16:10)

1. Sibirskiy metallurgicheskiy institut im. S.Ordzhonikidze.

PHASE I BOOK EXPLOITATION SOV/4431

Vostrikov, S.I., L.N. Zuyev, V.I. Kuznetsov, M.A. Makhmutin, A.N. Nespela, V.A. Pelishenko, A.K. Tokmakov, and A.M. Filin

Teoriya aviatsionnykh dvigateley, ch. 2: Teoriya reaktivnykh dvigateley (Theory of Aircraft Engines, Pt. 2: Theory of Jet Engines) Moscow, Voyenizdat, 1960. 281 p. No. of copies printed not given.

Ed. (Title page): I.V. Kotlyar, Candidate of Technical Sciences; Ed. (Inside book): M.S. Pisarev, Engineer-Colonel of the Reserve; Tech. Ed.: T.F. Myasnikova.

PURPOSE: This textbook is for students of aviation technical schools. It may also be useful to flying and ground personnel of the Air Force, Army, and DOSAAF (All-Union Society for Promotion of the Air Force, Army, and Navy).

COVERAGE: The book generalizes and systematizes problems of aircraft engine theory. Special attention is given to the physical causes of phenomena and processes which take place in parts and in the whole engine. No personalities are mentioned. There are 8 references, all Soviet.

Card 1/10

VOSTRIKOV, S.I.; ZUYEV, L.M.; KUZNETSOV, V.I.; MAKHNUTIN, M.A.; MESPELA, A.N.; PELISHENKO, V.A.; TOKMAKOV, A.K.; FILIN, A.M.; MAYZEL', Yu.M., kand.tekhn.nauk, retsenzent; KOTLYAR, I.V., kand.tekhn.nauk, red.; PISAREV, M.S., inzh.-polkovnik zapasa, red.; MYASNIKOVA, T.F., tekhn.red.

[Theory of airplane engines] Teoriia aviatsionnykh dvigatelei. Pod red. I.V.Kotliara. Moskva, Voen.izd-vo M-va obor.SSSR. Pt.2. [Theory of jet engines] Teoriia reaktivnykh dvigatelei. 1960. 281 p. (MIRA 13:7)
(Airplanes--Jet propulsion)

ZUYEV, L.P., inzh.; NOVAK, G.M., inzh.

Mainteanance of equipment by means of its partial protection during prolonged ship repairs. Sudostroenie 29 no.2:54-57 F '63. (MIRA 16:2)

(Ships—Maintenance and repairs)

ZUYEV, Lev Petrovich; KRYNITSA, Mikhail Nikolayevich; DAYKES, M.A., inzh., retsenzent; VARKOVETSKAYA, A.I., red.

[Fitter and assmbler of marine diesel engines] Slesar'-montazhnik sudovykh dizelei. Leningrad, Sudostroenie, 1965. 159 p. (MIRA 18:7)

ZUYEV, M.

Active members of the shop committee. Sov.profsoiuzy 3 no.10: 70-72 O '55. (MLRA 9:1)

1.Predsedatel' tsekhovogo komiteta profsoyuza pechnogo tsekha Bogdanovicheskogo ognеupornogo zavoda, g.Bogdanovich, Sverdlovskoy oblasti.

(Bogdanovich--Socialist competition)

ZUYEV, M., inzh.

New air guns. Voen. znan. 38 no.11:30-31 N '62. (MIRA 15:11)
(Air guns)

KRYLOV, V., podpolkovnik; ZUYEV, M., inzh.-kapitan

Crane arm. Tankist no.7:45-47 Jl '58. (MIRA 11:10)
(Cranes, derricks, etc.)

ZUYEV, M. [Zueu,M.], vrach-metodist

A harmful survival of the past. Rab.i sial. 37 no.7:17 Jl '61.
(MIRA 15:2)

1. Minskiy oblastnoy dom sanitarnogo prosveshcheniya.
(ALCOHOLISM)

AUTHOR: Zuyev, M.A., Engineer
Krylov, V.M., Engineer. SOV/100-58-5-11/15

TITLE: Universal Hand-operated Tackle RUL-1,5. (Ruchnaya universal'naya lebedka RUL-1,5).

PERIODICAL: Mekhanizatsiya Stroitel'stva, 1958, Nr 5, pp 30-31.

ABSTRACT: The Central Experimental Factory designed and tested this universal tackle RUL-1,5, manipulated by a hand-lever and based on the principle of a continuous chain. In working, this tackle could be in horizontal, vertical or inclined positions. Technical data is given and the mechanism is described and illustrated in Figure 1. The handle c a n be of two lengths, one 800mm and the other 1,200mm long. This tackle c a n be used for the lifting of various loads, in workshops, stores, during assembly and in forestry. There are three figures.

1. Hoists--Design

Card 1/1

ZUYEV, M. B. and AYZENSHTAT, B. A.

"Certain Peculiarities of the Meteorological Regime in Cotton Fields and in a Semidesert During Autumn"
Tr. Gl. Geofiz. Observatorii, No 39, 191-200, 1953

The authors present data of meteorological obsdrvations and data on the components of heat balance in the course of the days 21-22 September 1952 in the same areas where in July the complex Pakhta-Aral expedition conducted its operations. In contrast with July, the September temperature differences of the air were small and were of the order of 1° at an altitude of 1 meter. Autumn saw no other notable differences in the values of the heat balance of cotton fields. (RZhGeol, No 3, 1954)

SO: W-31187, 8 Mar 55

ZUYEV, M.F.

High-speed firing of grog in ring furnaces. Ogneupory 21 no.2:90-81 '56. (MLRA 9:7)

1.Bogdanovichskiy zavod.
(Bogdanovich--Refractory materials)

1. ZUYEV, M. G.

2. USSR (600)

4. Railroads, Narrow-Gage

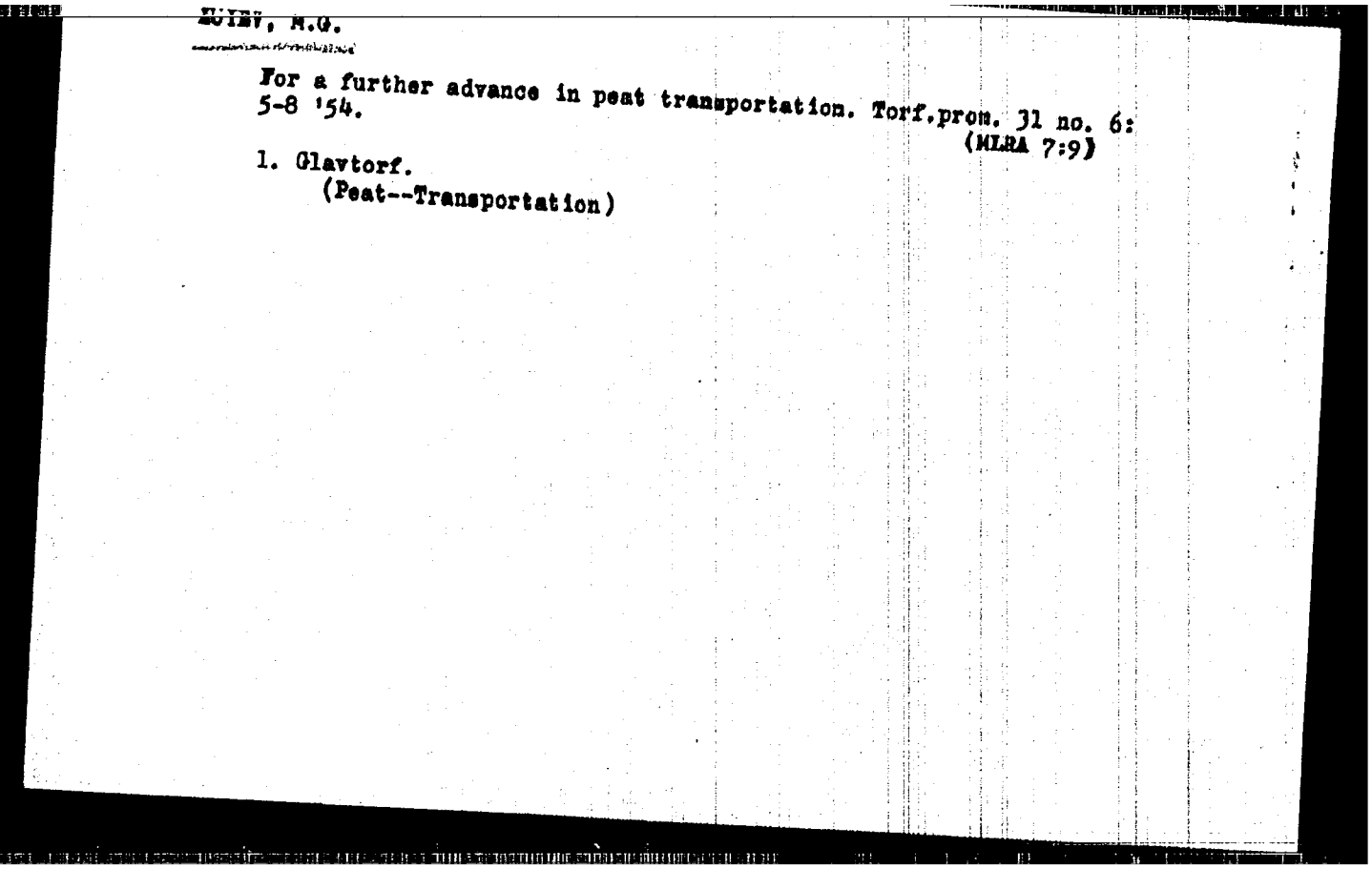
7. Norms and indexes in operating narrow gauge railroads. Torf.prom. 29 no. 11, 1952.

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

BLINOV, N.F.; ZUYEV, M.G.

Getting peat transportation equipment ready for the autumn and winter season. Torf.prom. 30 no.8:1-4 Ag '53. (MLRA 6:7)

1. Glavnoye upravleniye torfyanoy promyshlennosti. (Peat industry)



ZUIEV, M.G.

For a further advance in peat transportation. Torf.prom. 31 no. 6: 5-8 '54. (MLRA 7:9)

1. Glavtorf.
(Peat--Transportation)

ZUYEV, M.G.

Heavy trains in peat hauling. Torf.prom. 33 no.1:5-9 '56.
(MLRA 9:5)

1. Glavtorf.

(Railroads, Industrial)

BLINOV, N.F.; ZUYEV, M.G.

Prepare in an exemplary manner for the winter transportation of peat. Torf.prom.33 no.6:1-3 '56. (MLRA 9:10)

1.Glavtorf.

(Peat--Transportation)

ZUYEV, M.G.

Economical transportation of peat. Trof. prom. 33 no.8: 28-30 '56. (MLRA 10:2)

1. Glavtorf.

(Peat--Transportation)

ZHARKOV, Aleksandr Fedorovich; ZUDOV, Mikhail [illegible]; OBUKHOV, Aleksandr Vasil'yevich; KHRYASHCHEVA, Nina Kuz'minichna; KOLOTUSHKIN, V.I., redaktor; MEDVEDEV, L.Ya., tekhnicheskiy redaktor

[Electric spark welding of R-18 rails in great lengths for peat enterprises] Elektrokontaktnaia svarka rel'sov R-18 v dlinnye pleti na torfopredpriiatiiakh. Moskva, Gos.energ.izd-vo, 1957. 69 p. (MIRA 10:11)

(Railroads--Rails)
(Electric cutting machinery)

ZUYEV, M.G.

For further improvement of transportation in the peat industry. Torf.prom. 34 no.2:11-14 '57. (MLRA 10:3)

1. Glavnoye upravleniye torfyanoy promyshlennosti.
(Peat--Transportation)

ZUYEV, M.G.

Narrow-gauge passenger motorailer. Torf.prom. 38 no.1:9-10 '61.
(MIRA 14:2)

1. Mosoblsovnarkhoz.
(Peat industry)

USSR/Metals Nov 48
Steel Titanium
Steel Ingots

"Subsurface Porosity of Titanium Steels," M. I. Zayer, V. S. Kultygin, V. P. Frantsov, N. A. Shiryayev, Engineers, ElektroStal', 7 pp

"Stal'" No 11

Discusses subsurface porosity of titanium steel ingots, with 13 illustrations of macro- and microstructure. Porosity is caused by molten metal splashing and spattering. Suggests siphon method of teeming into 400-kg ingots on air-mold bottom plates or pouring 1,000-kg ingots through 50-60 mm diameter funnel.

19/49T80

19/49T80

ZUYEV, M.I.; KULTYGIN, V.S.; VINOGRAD, M.I.; OSTAPENKO, A.V.; LIUBINSKAYA, M.A.; DZUGUTOV, M.Ya.; SLAVKIN, V.S., redaktor; GOLYATKINA, A.G., redaktor; EVENSON, I.M., tekhnicheskiy redaktor.

[Plasticity of steel at high temperatures] Plastichnost' stali pri vysokikh temperaturakh. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 100 p. (Steel--Metallography) (MLRA 8:3)

AUTHOR: ZUEV,M.I., ZHUREVSKIY,D.P., VINOGRAD,M.I., and LYUBINSKAYA,M.A. PA - 2378

TITLE: The Influence of Technological Factors on Contamination of ShKh 15 Steel). (Vliyaniye tekhnologicheskikh faktorov na zagryaznennost' stali ShKh 15, Russian).

PERIODICAL: Stal', 1957, Vol 17, Nr 1, pp 43 - 47 (U.S.S.R.)
Received: 5 / 1957 Reviewed: 5 / 1957

ABSTRACT: A number of factors which are of importance for the soiling of steel ShKh 15 are given without comparing statistical data with those of the investigations carried out for this purpose. (Steel ShKh 15 is a wear-resistant ball-bearing steel of the following chemical composition: 0,95 - 1,1 % C, 0,2 - 0,4 % Mn, 0,15 - 0,35 % Si, 1,3 - 1,65 % Cr, ≤ 0,30 % Ni.) A survey of the basic elements of the technology of steel production is given, viz. of the smelting method, of smelting with a fresh layer with boiling, and of the duplex process. The results obtained by current control and those of test melts, as well as the change of impurities in the course of pouring off and according to the height of the casting block are given. It was found that, in order to reduce impurities caused by the inclusion of oxides the following is necessary: 1) The furnace must be well lined and temperature of the metal in the ladle must be kept constant between 1530 and 1580°. 2) In the case of 500 kg blocks fill on an 8 point casting

Card 1/2

The Influence of Technological Factors on Contamination of ShKh 15 Steel. PA - 2378

plate within 80 to 100 sec. up to the last head. 3) Ladles with reinforced lining should be used. 4) Working conditions in the grove should be improved, utmost cleanliness observed, and molds should be provided chamfered in order that ingots can be more easily taken out. (8 tables).

ASSOCIATION: "Electrostal'" Works.
PRESENTED BY:
SUBMITTED:
AVAILABLE: Library of Congress.

Card 2/2

ZUYEV, Mikhail Ivanovich, pochetnyy stroitel'; KARDO-SYSOYEV, F.N., inzhener, nauchnyy redaktor; KRYUCKR, Yu.V., redaktor izdatel'stva; EL'KINA, E.M., tekhnicheskiy redaktor.

[Efficient methods in masonry work] Ratsional'nye metody kamennykh rabot. Moskva, Gos.izd-vo lit-ry po storit.i arkhit. 1957. 64 p. (MLRA 10:6)

(Masonry)

ZUYEV, M.I.; KULTYGIN, V.S.; KABLUKOVSKIY, A.F.; SIMONOV, V.I.; ZUYEV, T.I.; VOROB'YEV, Yu.K.; MARTYNUSHKIN, A.M.; TSUKANOV, V.F.; LAKTIONOV, V.S.

Improved technology of the smelting of ShKh-15 steel for ball bearings. Prom.energ. 17 no.2:12 F '62. (MIRA 15:3)
(Steel--Metallurgy) (Ball bearings)

ACCESSION NR: AT4005964 S/2755/63/000/004/0122/0129

AUTHOR: Beskorovayny*y, N.M.; Zuyev, M.T.; Yeremeyev, V.S.

TITLE: Reaction of austenitic chromium-nickel alloy steel with liquid lithium

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Metallurgiya i metallovedeniye chisty*kh metallov, no. 4, 1963, 122-129

TOPIC TAGS: chromium nickel steel corrosion, austenitic steel, 1Kh18N9T steel, lithium corrosion, 1Kh18N9T weld corrosion, steel corrosion, lithium induced corrosion, lithium attack

ABSTRACT: In continuation of earlier work by the authors on 1Kh18N9T austenitic stainless steel, corrosion resistance and room temperature mechanical properties were determined following 100 and 500 hours exposure to liquid lithium or argon at 1000 and 1200C. Test specimens were rolled sheet, 1x3x14mm, both unwelded and welded. The test conditions did not significantly affect either welded or unwelded specimens. Intergranular corrosion occurred during exposure to liquid lithium, which was found to diffuse deeply into the steel surface (see Fig. 1 of the Enclosure). In liquid lithium, the steel corroded at a rate

Card 1/3

ACCESSION NR: AT4005964

of 0.034 g/m^2/hr. at 1000C and 0.388 g/m^2/hr. at 1200C. Orig. art. has: 2 metallographic sections, 6 tables and 1 graph.

ASSOCIATION: Inzhenerno-fizicheskiy institut, Moscow (Engineering Physics Institute)

SUBMITTED: 00 DATE ACQ: 17Jan64 ENCL: 01

SUB CODE: MM NO REF SOV: 004 OTHER: 000

Card 2/3

ACCESSION NR: AT4005964

ENCLOSURE: 01

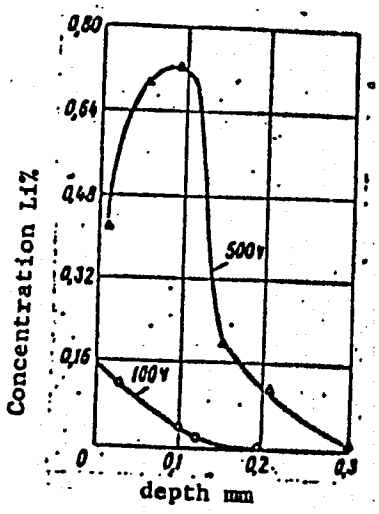


Fig. 1 Concentration curves showing the distribution of lithium in the surface layer of 1Kh18N9T steel after exposure in an iron vessel at 1000C. Ordinate = Li concentration in %; abscissa = depth in mm.

Card 3/3

BESKOROVAYNYY, N.M.; YEREMEYEV, V.S.; ZUYEV, M.T.; IVANOV, V.K.; TOMASHPOL'SKIY, Yu.Ya.

Corrosion resistance of iron in lithium. Met. i metalloved. chist. met. no. 4:130-143 '63. (MIRA 17:5)

ACCESSION NR: AT4005965 S/2755/63/000/004/0144/0148

AUTHOR: Beskorovayny*y, N. M.; Zuyev, M. T.

Title: Corrosion resistance of titanium in lithium

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Metallurgiya i metallovedeniye chisty*kh metallov, no. 4, 1963, 144-148

TOPIC TAGS: titanium corrosion, titanium aluminum alloy corrosion, titanium, titanium property, titanium aluminum alloy property, lithium attack, lithium induced corrosion

ABSTRACT: Corrosion resistance and room temperature mechanical properties are reported for metallurgical grade titanium (0.12% C, 0.009% Fe, balance Ti) and titanium-aluminum alloy (2.2% Al, 1.3% Mn, 0.045 % C, balance Ti) following exposure for 50 and 100 hours at 800, 1000 and 1200C. Test specimens were rolled sheet 1 x 3 x 14 mm. The corrosion resistance of both Ti and Ti+Al were found to be satisfactory after 100 hours exposure at 800C. Case hardening of Ti specimens occurred during exposure to lithium, due to absorption by Ti of gases dissolved in the lithium melt. A decrease in Ti ductility was observed at 1000 and 1200 C. At 1200 C Ti begun to dissolve. The Ti-Al alloy began to dissolve in lithium at 800C, accompanied by a marked

Card 1/2

ACCESSION NR: AT4005965

decrease in rupture strength and ultimate tensile strength. Orig. art. has: 2 metallographic sections, 4 tables and 1 graph.

ASSOCIATION: Inzhenerno-fizicheskiy institut, Moscow (Engineering Physics Institute)

SUBMITTED: 00 DATE ACQ: 17Jan64 ENCL: 00

SUB CODE: MM NO REF SOV: 004 OTHER: 000

Card 2/2

ZUYEV, M. V.

Zuyev, M. V. "A study of evaporation from the surface of soils according to the method of A. A. Skovortsov," Trudy Tashk. geofiz. observatorii, Issue 1, 1949, p. 27-34.

So: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949.)

ZUYEV, M.V.; PAVLOV, D.F.

Specific features of heat balance in the Golodnaya Steppe during periods of the Ursat'yevskaya winds. Trudy Sred.-Az.nauch.-issl.gidrometeor.inst. no.2:41-53 '59. (MIRA 13:6)
(Golodnaya Steppe--Meteorology)

ZUYEV, M. V. and AYZENSHTAT, B. A.

Results of Investigations of the Sandy Desert and the Pamirs,"

report given at the Conference on the Meteorology of the Troposphere, Main Geophysical Observatory (GGO) 7-10 May 1957.

Izv. Ak. Nauk, Seriya Geofizicheskaya, No. 10, Oct 1957. pp. 1273-1274.

Sum 1618

ZUYEV, M.V.

Soil Temperature

Thermal electrosonde for soil . Met. i gidrol. No.6, 1948.

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

ZUYEV, M. V.; L'vova, S. N.

"Errors in Measurement of Temperature and Moisture of Air by Thermometers in Psychrometric Booths"
Trudy Tashkentsk. Geofiz. Observ., No 8, 1954, 94-101

Investigation of errors in measurement of temperature and humidity in a psychrometric booth as a function of height of the booth, coloration, time of year, and time of day. In the course of 1950-1951 observations were conducted in booths colored white, grey, green, and dark color and set at heights of 1.5 and 2.0 meters. (RZhGeol, No 9, 1955)

SO: Sum-No 845, 7 Mar 56

AYZENSHTAT, B.A.; ZUYEV, M.V.; BUGAYEV, V.A., red.; HULEVA, M.S., tekhn. red.

[Heat balance patterns over sandy deserts] Nekotorye cherty teplovogo balansa peschanoi pustyni. Leningrad, Gidrometeor. izd-vo, 1952. 79 p. (Tashkent, Geofizicheskaia observatoriia. Trudy, no.6). (MIRA 11:3)
(Kara Kum--Atmospheric temperature)

ZUYEV, M.V.

Comparision of air temperatures at 2 and 1,5 meters based on observations in psycrometric booths. Trudy Tashk. geofiz. observ. no.7:96-98 '52. (MIRA 11:3)

(Tashkent--Air temperature)

ZUMEV, M.V.

"Formation of the Microclimate of a Cotton Field." Cand Phys-Math Sci, Inst of Mathematics and Mechanics imeni V.I. Romanovskiy, Acad Sci Uzbek SSR, Tashkent, 1955. (KL, No 17, Apr 55)

SO: Sum.No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

ZUYEV, M. V.

"Problem of the Formation of Inversion of Air Temperature over a Cotton Field". Trudy Tashkentsk. Geofiz. Observ., No 8, pp 44-47, 1954.

Process governing the formation of temperature inversions over a cotton field is investigated on the basis of microclimatic observations at heights of 25, 50, 100, 200 cm in 1952-1953 in Uzbekistan. According to the character of the vertical temperature distribution one can establish in the course of vegetation three periods: the first from the beginning of vegetation to the middle of July, when fall in temperature with height is observed; the second from the middle of July to the middle of September, when inversion is established; and the third from the middle of September to the end of vegetation, when normal vertical distribution is again established. Onset of inversion is due not only to increase in leafy mass of the cotton plant and increase in consequence of this of expenditure of heat in transpiration and shading of the soil, but also to wetting of the soil after the third irrigation in the middle of July. A relation is established between the difference in air temperatures at levels 25-200 cm and height of the stalk of the cotton plant. Passage of this difference through zero occurs for height of the cotton plant equal to about 50 cm. The behavior of the variation of absolute humidity at various levels in the course of vegetation indicates that during transition of the vertical temperature distributiontoward inversion one observes a sharp increase in the absolute humidity in the layer near the ground. The most intense falling off in the yield of a cotton plant is observed during stabel inversion and high absolute humidity. (RZhGeol, No 10, 1955)

SO: Sum No 884, 9 Apr 1956

ZUYEV, M. V. and L'VOVA, S. N.

"Errors in the Measurement of Air Temperature and Humidity by Thermometers in Psychrometric Booths".
Trudy Tashkentsk. geofiz. observ., No 8, pp 94-101, 1954.

Investigation of errors in the measurement of temperature and humidity in a psychrometric booth as function of the booth's elevation, color, time of year and time of day is given. The observations were carried out in the course of 1950-1951 in various booths painted white, gray, green and black and set at elevations of 1.5 and 2.0 meters.
(RZhGeol, No 9, 1955)

SO: Sum No 884, 9 Apr 1956

USSR/Geophysics - Soil Studies Dec 48

"A Soil Thermoelectrosonde," M. V. Zuyev

"Meteorol i Gidrol" No 6, pp 102-104

Design, sensitivity calculation, observations, and preliminary results for the thermoelectrosonde, instrument designed at the Microclimate Sta, Tashkent Geophys Obs, to determine the position of zero isothermal in the soil with high accuracy. Since 0° is usually observed between 40 and 80 cm in Tashkent in winter,

FDD 170T42

USSR/Geophysics - Soil Studies (Contd) Dec 48

instrument was designed to measure temperatures up to 100 cm depth. Temperature indications were good below 20 cm; above this, direct solar radiation affected readings. Submitted 11 Feb 47.

FDD 170T42

AYZENSHTAT, B.A.; ZUYEV, M.V.

Radiation, heat balance, and microclimate in a mountain valley.
Trudy Sred.-Az.nauch.issl.gidrometeor.inst. no.6:3-40 '61.
(MIRA 15:4)
(Shakhimardan Valley--Solar radiation)
(Shakhimardan Valley--Microclimatology)

NIKITENKO, G.; ZUYEV, N.

Veterinary Medicine - Loguvskii District

Outstanding zoological veterinary district. Veterinariia, 29, No. 10, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

TSVETAYEV, N.; ZUYEV, N.

Differentiate deductions from current accounts of collective farms. Den. i kred. 17 no.2:66-67 F '59. (MIRA 12:5)
(Collective farms--Finance)

TARANOV, R., inzhener; SHEYKO, V., inzhener; VOLKIN, P., (Losino-Petrovsk, Moskovskaya oblast'); FEKHTEL, K.; MIKHNENKO, V.; ZUYEV, N.; SHOYKHET, A.

Accounts by participants. Radio no.10:18-20 '56. (MLRA 9:11)

1. Nachal'nik respublikanskogo radiokluba Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu Moldavskoy SSR (for Zuyev) 2. Starshiy inzhener respublikanskogo radioklubа Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu Moldavskoy SSR (for Shovkhet).
(Radio, Shortwave--Competitions)

ZUYEV, N.

107-12-14/46

AUTHOR: Zuyev, N., Chief of the Radio Club of the Moldavian SSR

TITLE: Radio Hams of Moldavia (Radiolyubiteli Moldavii)

PERIODICAL: Radio, 1956, #12, pp. 13-14 (USSR)

ABSTRACT: A report on the development of radio amateurism in Moldavia. In 1955 there were 2 short-wave and 4 ultrashort-wave ham stations in Moldavia, in Dec 1956 about 30. Participation of women increased: 57 female amateurs work as operators and monitors at the stations of the club. Among them: Mira Menyaylova, Nata Buchatskaya, Anna Goncharovskaya, Nella Leskova, Zhanna Ogurchikova, Rimma Kovshevaya, Mariya Komarnitskaya.

A new Short-Wave and Ultrashort-Wave Section was recenly organized at the Bel'tsy Pedagogical Institute. Section leader: Anatoliy Shlyakhovoy, local laboratory technician. S. Filimonov (laboratory worker), A. Palatnik and L. Kharbur (laborers), I. Blayvas and B. Perebiynos (students) take part in the work of the Section.

I. Cherednik, V. Kirillova, and V. Morozova constructed an amateur station for a remote rayon Rybnitsa. Another group including Yu. Pisarenko, K. Dovgiy, and B. Sekker helped in making the equipment for amateur stations.

Recently, the following ham stations were put in operation: ultrashort-wave 020006 Leonid Romanin, short-wave U05KW Vladimir Kirillov, U05CA Sergey Remenko, U05BA Yuriy Varavva, U05RO Nikolay Rusak, U05KRD of the DOSAAF

Card 1/2

107-12-14/46

Radio Hams of Moldavia (Radiolyubiteli Moldavii)

Committee of Rybnitsy. Amateurs Tsilya Poker and Tamara Vinogradova opened their radio stations. Ultrashort-wave amateurs A. Gamazov, Ya. Aronov, A. Shirvaytis, V. Gusachenko, and others opened their stations recently. The team consisting of L. Romanin, S. Berdichevskiy, and A. Shirvaytis of the Moldavian SSR Radio Club won the third place in the "Field Day" ultrashort-wave contest.

Over 40 schoolboys graduated from the radio telegraph operator courses recently. Of them Volodya Morozov, Vyacheslav Sokolov work as operators at UO5KAA station; Yusim Zunya, Grigoriy Yevseyev, Gennadiy Nosulya take training in the speedy telegraph work.

G. Petrenko supervises the construction of collective ultrashort-wave stations in Tiraspol' city. In Kishinev city, a report on TV was delivered by engineer Revutskiy, on radio medical applications by engineer Shcherbelis, on rr electronic applications by engineer Kolesnikov. Also two radio hams Kiliyanchuk and Sidel'nikov delivered reports.

Three photos represent radio hams mentioned.

AVAILABLE: Library of Congress

Card 2/2

ZUYEV, N.; NIKITENKO, G.

Lugovskii District - Veterinary Medicine.

Outstanding zoological veterinary district. Veterinary district. Veterinariia 29 no. 10, 1952.

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

ZUYEV, N.; NIKITENKO, G.

Lugovskii District - Veterinary Medicine

Outstanding zoological veterinary district. Veterinariia 29 No. 10, 1952.

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

ZUYEV, N., polkovnik med.sluzhby

Assemblies of troop physicians. Tyl.i snab.Sov.Voor.Sil 21 no.5:47-48 My '61. (MIRA 14:8)
(Medicine, Military—Study and teaching)

KRAMAROVSKIY, L.; ZUYEV, N.; PAVLENKO, G.; UL'KO, D.

Develop credit relations with intercollective farm building organizations. Den. i kred. 20 no.1:27-39 Ja '62. (MIRA 15:1)

1. Nachal'nik otdela kreditovaniya kolkhozov Moldavskoy kontory Gosbanka (for Zuyev). 2. Upravlyayushchiy Kiyevskoy oblastnoy kontory Gosbanka (for Pavlenko). 3. Upravlyayushchiy Dnepropetrovskoy kontoroy Gosbanka (for Ul'ko).
(Ukraine--Construction industry--Finance)
(Moldavia--Construction industry--Finance)
(Collective farms--Interfarm cooperation)

ZUYEV, N.

A credit-payment service to collective farms. Den. i kred. 20 no.12:57-61 D '62. (MIRA 16:1)

1. Nachal'nik otdela kreditovaniya kolkhozov Moldavskoy respublikanskoy kontory Gosbanka.

(Moldavia—Banks and banking)
(Moldavia—Collective farms—Finance)

ZUYEV, N., starshiy leytenant

In father's footsteps. Starshina sluzhba no.2:6 F '62. (MIRA 15:4)

(Sailors (Navy))

ZUYEV, N.G.

Torsion of the stomach, spleen and tail of the pancreas. Khirurgiian no.3:118-119 '62. (MIRA 15:3)

1. Iz khirurgicheskogo otdeleniya (zav. N.G. Zuyev) Vyselkovskoy rayonnoy bol'nitsy (glavnyy vrach F.M. Velichko) Krasnodarskogo kraya.
(STOMACH--DISEASES) (SPLEEN--DISEASES) (PANCREAS--DISEASES)

ZUYEV, N. I.

Cand Geol-Min Sci, Diss -- "Carbonaceous rocks of the BSSR and prospects for their utilization". Minsk, 1961. 19 pp, 20 cm (Acad Sci BSSR. Inst Geol Sci), 200 copies, Not for sale (KL, No 9, 1961, p 178, No 24293). /61-52350/

SOV/137-58-7-14560

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 88 (USSR)

AUTHORS: Voynitskiy, A.I., Gus'kov, V.M., Zuyev, N.M.

TITLE: Trends in the Development of the Production of Sodium and of Alloys of Sodium and Potassium Required to Produce Titanium by Sodiumthermal and Combined Methods (O putyakh razvitiya proizvodstva natriya i splavov natriya s kaliyem, neobkhodimykh dlya polucheniya titana natriyetermicheskim i kombinirovannym sposobami)

PERIODICAL: Tr. Vses. n.-i. alyumin.-magn. in-ta, 1957, Nr 40, pp 340-352

ABSTRACT: The results of laboratory experiments in the electrothermal production of Na and K alloys, based on reduction in vacuum of a mixture of Na and K chlorides by ferrosilicon or by primary Si-Al alloy in the presence of CaO, are adduced. Spent magnesium-plant electrolyte containing Na and K chlorides is suggested as the raw material for production of the alloys. Process procedures and compositions of mixes for production of Na and Na-K alloys are suggested. The design of vacuum equipment developed for this process is adduced. The furnace

Card 1/2

SOV/137-58-7-14560

Trends in the Development of the Production of Sodium (cont.)

has internal and external heating. Side and bottom condensation of the Me are provided for. Hot charging and discharging of the N_2-filled furnace (without cooling) are provided.

L.P.

1. Sodium--Production 2. Sodium alloys--Production 3. Potassium alloys--Production 4. Sodium chlorides--Sources 5. Potassium chlorides--Sources

Card 2/2

ZUYEV, N.M.

Products of the aluminothermic and silicothermic reduction of potassium and mechanism of the reactions involved. Zhur. prikl. khim. 33 no.12:2617-2622 D '60. (MIRA 14:1)
(Potassium)

ZUYEV, N.M.

Mechanical regulation of interpolar distances and automatic control of temperature conditions in magnesium electrolyzers. TSvet. met. 31 no. 6:33-37 Je '58. (MIRA 11:7)
(Magnesium--Electrometallurgy)
(Automatic control)

SOV/137-58-7-14542

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 86 (USSR)

AUTHORS: Gus'kov, V.M., Zuyev, N.M., Voynitskiy, A.I.

TITLE: Aluminothermal and Silicothermal Methods of Production of Potassium from Chlorine Salts Thereof (Alyumino- i silikotermicheskiy sposoby polucheniya kaliya iz yego khloristoy soli)

PERIODICAL: Tr. Vses. n.-i. alyumin.-magn. in-ta, 1957, Nr 40, pp 307-336

ABSTRACT: A brief review of the development of K metallurgy. The results of laboratory investigations of the thermal process of K production are presented. It is found that the quantity of reductant and the amount of CaO in the charge affect recovery of the metal in equal measure. The following charge compositions are recommended. For reduction with Al, a molecular CaO:KCl ratio of 0.6-1.0, Al:KCl = 0.8-1.2. Correspondingly, for reduction by silica, CaO:KCl = 0.6-0.9, and Si:KCl = 0.7-1.1. An increase in temperature reduces the duration of the thermal process. Maximum metal extraction is attained when the briquets are held at a temperature of >900°C. This temperature

Card 1/2

Aluminothermal and Silicothermal Methods of Production (cont.)

permits nearly 100% recovery in Al reduction and up to 70% in Si reduction, provided that the reductant is finely ground and the CaO is under 36μ . The working pressure in the retort is $\leq$0.5 mm Hg. The addition of KF to the charge, particularly in Al reduction, increases K recovery. When a silico-aluminum alloy or ferrosilicon is used as the reductant, it must be borne in mind that the reducing power of Al and Si in alloys diminishes as the amount of impurities rises. Bibliography: 17 references.

L.P.

1. Potassium chlorides--Processing 2. Potassium--Production 3. Aluminum --Chemical reactions 4. Silicon--Chemical reactions

Card 2/2

SOV/137-58-7-14541

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 86 (USSR)

AUTHORS: Zuyev, N.M., Gus'kov, V.M.

TITLE: Coloration of the Sublimate in Thermal Production of Potassium From its Chlorine Salts (Okrashivaniye vozgona pri termicheskom poluchenii kaliya iz yego khloristoy soli)

PERIODICAL: Tr. Vses. n.-i. alyumin.-magn. in-ta, 1957, Nr 40, pp 337-339

ABSTRACT: The coloration of the sublimate KCl (obtained in thermal production of K) under the action of K fumes is hypothesized to result from the formation of sub-compounds of K or from the presence of dispersed K particles of colloidal type. On the basis of the chemical, X-ray, and crystal-optical investigations of the colored sublimates, and of the known temperatures of formation and decomposition of the sub-compounds, the authors believe the reason for the coloration to be colloidal particles of K.

L.P.

Card 1/1 1. Potassium--Production 2. Potassium chlorides--Color 3. Potassium vapors--Chemical reactions

AUTHOR: Zuyev, N.M. SOV/136-58-6-6/21

TITLE: Mechanical Regulation of Inter-polar Distances and Automatic Control of Temperature Conditions in Magnesium Electrolysers (Mekhanicheskoye regulirovaniye mezhpolyusnykh rasstoyaniy i avtomaticheskoye upravleniye temperaturnym rezhimom magniyevykh elektrolizerov)

PERIODICAL: Tsvetnyye Metally, 1958, Nr 6, pp 33 - 37 (USSR)

ABSTRACT: Briefly analysing some of the reasons for poor operation of magnesium electrolysers, the author concludes that failure in the correct positioning of cathodes with respect to the anodes is an important factor. Present methods of measuring inter-polar distances and regulating the cathode position are unsatisfactory and only recently has attention been paid to this aspect (Ref 1). The degree of mechanisation of magnesium electrolysers remains low and temperatures fluctuate by more than 40-50 °C in a day. The lack of mechanisation hinders the application of automation. The author proposes that the overall operation of inter-polar distance control should be divided into those extending to all the cathodes (such as changes in the electrolyser

Cardl/3

Mechanical Regulation of Inter-polar Distances and Automatic Control of Temperature Conditions in Magnesium Electrolysers

voltage or temperature) and those connected with a change in the position of one or more cathodes. Elaborating this, he suggests that all cathodes should be made part of a single mechanised system in which a threaded shaft (Figure 1) or a lever system (Figure 2) is used; this obviates the need for the tedious measurement of inter-polar distances and ensures their constancy. For temperature control, the author proposes a multi-point controller to deal with several electrolysers; the controller would cause the appropriate change to be made in inter-polar distance if the temperature deviates from the desired value. Individual controllers would be less desirable, although available types (e.g. ERM-47 or MRShchPr-54) could be used. The author states that mechanisation of inter-polar distance

Mechanical Regulation of Inter-polar Distances and Automatic Control of Temperature Conditions in Magnesium Electrolysers

regulation and automation of temperature control in magnesium electrolysers would be advantageous technically, economically and for working conditions.
There are 2 figures and 1 Soviet reference.

L 7990-66 EWT(m)/EPA(s)-2/EPF(n)-2/EWP(t)/EWP(z) IJP(c) JD/WW/JG

ACC NR: AP5026531 SOURCE CODE: UR/0286/65/000/019/0071/0071

AUTHORS: Zuyev, N. M.; Teenter, Ya. A.; Vaynshteyn, G. M.; Vlasov, V. A.; Ustinov, V. S.; Kiselev, O. G.; Maslennikov, I. P.; Feofanov, L. P.; Sharunova, G. M.; Yukolov, V. V.; Ivanov, A. B.

ORG: none

TITLE: A mixer furnace for remelting the condensate from titanium production. Class 40, No. 175229 [announced by All-Union Scientific Research and Design Institute of Aluminum, Magnesium, and Electrode Industry and by Dnieper Titano-Magnesium Plant (Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut alyuminiyevoy, magniyevoy i elektrodnoy promyshlennosti i Dneprovskiy titano-magniyevyy zavod)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 71

TOPIC TAGS: physical metallurgy, metallurgic furnace, metallurgic industry, titanium

ABSTRACT: This Author Certificate introduces a mixer furnace for remelting the condensate from titanium production. The furnace consists of a melting chamber connected by a duct in its lower part to a mixer forehearth, and of electrodes for melting an inert salt (see Fig. 1). To simplify the process and to reduce the losses of magnesium and magnesium chloride, the mixer is provided with a suspended metallic cap for collecting liquid magnesium and for protecting it from reacting with gases and the lining. A liquid seal secures excess pressure of inert gas (argon) over the melt

Card 1/2

UDC: 669.721.411:621.745.35

ACC NR: AP5026531

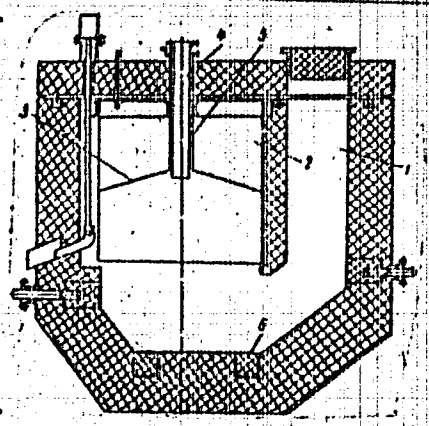


Fig. 1. 1- melting chamber; 2- mixer forehearth; 3- suspended metallic cap; 4- pipe for drawing off magnesium; 5- liquid seal; 6- auxiliary electrodes

during discharging of the charge and removing the molten products. The bottom of the bath is provided with auxiliary electrodes for preventing the formation of crust. Orig. art. has: 1 figure.

SUB CODE: IE/ SUBM DATE: 16Mar64

nw

Card 2/2

ZUYEV, N.S.

Improved technology of the production of alcohol, furfurole, and yeasts. Gidroliz.i lesokhim.prom. 12 no.8:17-19 '59.
(MIRA 13:4)

1. Krasnoyarskiy gidrolizny zavod.
(Alcohol) (Furaldehyde) (Yeast)

ZUYEV, N.S.; GORELIK, B.A.

Let us reduce hydrolyzate losses. Gidroliz.i lesokhim.prom. 10 no.4:23 '57. (MLRA 10:7)

1. Lobvinskiy gidrolizuyy zavod.
(Hydrolysis)

ZUYEV, N.S.

GORELIK, B.A.; ZUYEV, N.S.

Improve the work of plant laboratories. Gidrolliz. i lesokhim. prom. 10 no.2:24-25 '57. (MLRA 10:5)

1. Lobvinskiy gidrolizmyy zavod.
(Chemical laboratories)

VOL'KOVSKIY, L.V.; ZUYEV, O.S.

Improving the quality of designs for underwater crossings. Stroi. truboprov. 9 no.2:12-13 F '64. (MIRA 17:3)

1. Upravleniye podvodno-tekhnicheskikh i stroitel'nykh rabot Gazproma SSSR.

ZUYEV, O. S.

Laying a crossing under the Volga. Stroi. truboprov. 8 no.4: 22-23 Ap '63. (MIRA 16:4)

1. Upravleniye podvodno-tekhnicheskikh i stroitel'nykh rabot.

(Volga Valley—Petroleum pipelines—Design and construction)

ZUYEV, P.I.

Wintering of grapevines in Kirghizistan. Izv.AN Kir.SSR.Ser.biol. nauk 4 no.3:145-153 '62. (MIRA 15:11)

(CHU VALLEY--GRAPES)
(CHU VALLEY--PLANTS--FROST RESISTANCE)

ZUYEV, P.I.

Prospects for growing grapes uncovered in winter and without irrigation in Kirghizistan. Izv. AN Kir. SSR. Ser. biol. nauk 5 no.2:65-76 '63. (MIRA 16:9)

ZUYEV, Petr Ivanovich; GAREYEV, E.Z., otv. red.; RASPONOMAREVA, V.L., red.izd-va; POPOVA, M.G., tekhn.red.

[Ways for increasing the winter hardiness and productivity of vineyards in Kirghizistan] Puti povysheniia zimostoikosti i produktivnosti vinogradnikov Kirgizii. Frunze, Izd-vo AN Kirg.SSR, 1963. 141 p. (MIRA 17:2)

ZUYEV, P.P.

130-7-14/24

AUTHOR: Zuyev, P.P.

TITLE: Reducing Conversion Costs in the Shop (Snizheniye raskhodov po peredelu v tsekhe)

PERIODICAL: Metallurg, 1957, Nr 7, pp.26-28 (USSR)

ABSTRACT: After listing the various items and the percentages they represent of the total rolling cost at the "Elektrostal'" works (largest item is wages, 51.5%, followed by technological fuel, 12.9%) the author outlines measures taken to reduce costs. These include insulation of the continuous furnaces, reduction of idle time, better lubrication and looser retention of roll journals, slow running of mills during idle time, better maintenance and equipment, use of cheaper materials, the choice of the best type (found by prolonged observation of service performance) of grinding wheels for the various types of steel. Savings obtained by each change are listed and rules for making the choice of grinding materials are enumerated. Further attention is to be given to mechanisation (especially of ancillary operations) and utilisation of waste material.

ASSOCIATION: The "Elektrostal'" works. (Zavod "Elektrostal'")

AVAILABLE: Library of Congress.

Card 1/1

GOPIUS, A.Ye. [deceased]; RODIONOVA, L.L.; ZUYEV, S.S.

Investigating the corrosion resistance of welded brass pipe.
Trudy Giprotsvetmetobrabotka no.24:258-263 '65.
(MIRA 18:11)

ZUYEV N. YE.

Category: USSR/Analytical Chemistry - Analysis of organic substances. G-3

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 31057

Author : Zuyev N. Ye., Vitkovskiy V.G.
Inst : ~~Siberian~~ Physico-Technological Institute at the Tomsk University
Title : Concerning the Possibility of Quantitative Spectral Analysis of Crude Benzene for Benzene, Toluene and Xylene

Orig Pub: Tr. Sibirsk. fiz.-tekhn. in-ta pri Tomskom un-te, 1956, No 35, 127-129

Abstract: To eliminate the interfering effect of admixtures that boil at higher temperature than the principal components, the samples are evaporated and vapor absorption bands are measured at 2670 A for toluene and at 2720 A for xylene. The light source is a hydrogen tube and the spectra are photographed on a small spectrograph. Calibration graphs are plotted in Δ S-C coordinates. For a simultaneous determination of all three components the length of the cell must be not less than 15-20 cm.

Card : 1/1 -3-

PROTASOV, Anatoliy Aleksandrovich; ZUYEV, Pavel Petrovich; ASTAKHOV, I.G., redaktor; GOLYATKINA, A.G., redaktor izdatel'stva; KHRLOV, A.P., tekhnicheskiy redaktor

[Grooving of rollers for high-speed steel rolling] Kalibrovka valkov dlia prokatki bystoreshushchey stali. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1956. 176 p.
(Rolls (Iron mills)) (MLRA 9:10)

ZUYEV, P.P.

Reducing rejects from hardening cracks. Metallurg 3 no.11:34-37 N '58. (MIRA 11:11)

1. Nachal'nik prokatnogo tsekha No.1 zavoda "Elektrostal'."
(Steel--Hardening)

ZUYEV, P.P.

Ways of reducing rolling costs. Metallurg no.6:28-30 Je '56.
(MIRA 9:9)
1.Nachal'nik prokatnogo tsekha zavoda "Elektrostal'".
(Rolling (Metalwork)) (Scrap metal)