"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, A. N. (USSR)

"The Pattern of Casein Acid Hydrolysis and the Distribution of Certain Amino Acids in Casein."

Report presented at the 5th International Biochemistry Congress, Moscow, 10-16 Aug 1961

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, B.

On southern airways. [illegible] Ag '[illegible]. [illegible]

1. Nachal'nik aeroporta Mineral'nyy Vody.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

USHAKOV, I.A. (Moskva); PANYUKOV, B.V. (Moskva)

Networks of generators of random numbers using Poissons' flow characteristics. Izv. AN SSSR. Tekh. kib. no.4:195-200 Jl-Ag '65. (MIRA 18:11)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, D.

20006 PANYKOV, D. Novyye senouborochnyye mashiny . Myas. industriya SSSR, 1949, No. 3, s. 78-81.

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, D.

20831. Panyukov, D. Universal'naya [illegible]. Ill. S. Vetsrumb. Tekhnika --molodezhi, 1949, No. 5, s. 9.

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, D.

36771. Novaya sortirovka semyan (I'na. konstruktsiya Ya. N. Gudkova). Ill. V. Filatov. Tekhnika--molodezhi, 1949, No. 11, c. 29.

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, D.

Valuable textbook for mechanizers of agriculture. ("Labor saving machinery for livestock breeding farms." V.S.Krasnov. Reviewed by D.Panyukov). Prof.-tekh.obr. 11 no.7:28-30 O '54.(MLRA 7:11)

1. Starshiy mekhanik Ramenskoy MTS (Moskovskaya oblast')
(Agricultural machinery) (Krasnov, V.S.)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, D.

Machine-tractor stations help collective farms. Sel'.stroi. 9 no.6:22-23 S '54. (MIRA 13:2)

1. Starshiy mekhanik Ramenskoy mashinno-traktornoy stantsii, Moskovskoy oblasti.
(Moscow Province--Machine-tractor stations)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, D.

Fighting with routinists and conservatives. NTO no.10:32-33 O '59. (MIRA 13:2)

1.Zamestitel' predsedatelya sektsii mekhanizatsii Moskovskogo oblastnogo pravleniya Nauchno-tekhnicheskogo obshchestva sel'skogo i lesnogo khozyaystva.
(Moscow Province--Agricultural machinery)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV D

TAKHOVEYEV, M.; PANYUKOV, D.

Machine-tractor stations and the school; production practise on cattle breeding farms. Prof.-tekh. obr. 12 no.4:9-10 Ap '55. (MLRA 8:7)

1. Direktor uchilishcha mekhanizatsii sel'skogo khozyaystva No.7 (Moskovskaya oblast') (for Takhoveyev).

2. Starshiy mekhanik Ramenskoy mashinno-traktornoy stantsii (Moskovskaya oblast') (for Panyukov).
(Technical education)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, D.

Results of cooperation. NTO no.8:23-24 Ag '59. (MIRA 12:11)

1. Chlen prezidiuma Moskovskogo oblastnogo pravleniya Nauchno-tekhnicheskogo obshchestva sel'skogo i lesnogo khozyaystva.
(Moscow Province—Combines (Agricultural machinery))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, D.; KHRYCHEV, P.

Continuous hay harvesting. NTO 3 no. 5:10-11 My '61. (MIRA 14:5)

1. Sotrudniki otdela mekhanizatsii Instituta kormov imeni V.R. Vil'yamsa, chleny Nauchno-tekhnicheskogo obshchestva sel'skogo i lesnogo khozyaystva.
(Hay--Harvesting)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYuKOV, D. N.

23432 mekhanizatsiya senouborki. sov. zootekhniya, 1949, No. 2, s. 85-88

SO: LETOPIS NO. 31, 1949

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, D. N.

USSR/Agriculture - Mechanization

Card 1/1 : Pub. 77, 15/26

Author : Panyukov, D. N., Mechanic

Title : Mechanizers of agriculture

Periodical : Nauka i zhizn' 21/7, 30 - 32, July 1954

Abstract : An account is given of the Government's efforts to mechanize farming and stock raising by increasing the equipment and personnel at tractor stations. Such equipment includes devices for pumping and storing water, machinery for harvesting and transporting feed for stock, and installations for milking and handling milk. Illustrations.

Institution : ...

Submitted : ...

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, D. N.

PANYUKOV, D.N.

Agricultural machine operators. Nauka i zhizn' 21 no.7:30-32 Jl '54. (MLRA 7:7)

1. Starshiy mekhanik Ramenskoy MTS Moskovskoy oblasti.
(Farm mechanization)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

D.N.

PANYUKOV, D.N.,

Water tower of new design. Nauka i zhizn' 22 no.8:50-51 Ag'55. (MLRA 8:10)

1. Starshiy mekhanik Ramenskoy mashinno-traktornoy stantsii (Ramenskoye--Water towers)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, Dmitriy Nikandrovich, inzh.-mekhanik; MUSATOV, V., red.; YAKOVLEVA, Ye., tekhn. red.

[Use grain combines for harvesting various crops] Ispol'zuite zernovye kombainy dlia uborki razlichnykh kul'tur. Moskva, Mosk. rabochii, 1963. 54 p. (MIRA 16:8)

1. Zamestitel' predsedatelya sektsii mekhanizatsii i elektrifikatsii Moskovskogo oblastnogo pravleniya Nauchno-tekhnicheskogo obshchestva sel'skogo khozyaystva (for Panyukov).
(Combines (Agricultural machinery)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, Mikhail Ivanovich; POLYAKOVA, V., red.; PAVLOVA, S., tekhn.red.

[At the Glebovo Poultry Plant] Na Glebovskoi ptitsefabrike. Moskva, Mosk.rabochii, 1962. 34 p. (MIRA 15:5)

1. Direktor Glebovskoy ptitsefabriki (for Panyukov).
(Glebovo (Moscow Province)--Poultry plants)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, N.I.

21(8) [illegible] I BOOK EXPLOITATION SOV/[illegible]

Vsesoyuznaya nauchno-[illegible] konferentsiya po [illegible] radioaktivnym i [illegible] v i izlucheniy v [illegible] ayatva i nauke [illegible]

Trudy... [illegible] i [illegible] (Transactions of the All-Union Conference [illegible] Isotopes and Radiation in the [illegible] and Instrument Manufacturing) Moscow, Ind-vo AN SSSR, 1958. 358 p. 4,500 copies printed.

Sponsoring Agencies: USSR. Glavnoye upravleniye po ispol'zovaniyu atomnoy energii, and Akademiya nauk SSSR.

Editorial Board of Set: V.I. Dikushin, Academicain (Resp. Ed.), N.N. Shumilovskiy (Deputy Resp. Ed.), Yu. S. Zaslavskiy (Deputy Resp. Ed.), L.K. Tatochenko, B.I. Verkhovskiy, S.T. Nazarov, L.I. Petrenko, and N.G. Zelevinskaya (Secretary).

Ed. of Publishing House: P.N. Belyanin; Tech. Ed.: T.P. Polenova.

PURPOSE: This book is intended for specialists in the field of machine and instrument manufacture who use radioactive isotopes in the study of materials and processes.

COVERAGE: This collection of papers covers a very wide field of the utilization of tracer methods in industrial research and control techniques. The topic of this volume is the use of radioisotopes in the machine- and instrument-manufacturing industry. The individual papers discuss the applications of radioisotope techniques in the study of metals and alloys, problems of friction and lubrication, metal cutting, engine performance, and defects in metals. Several papers are devoted to the use of radioisotopes in the automation of industrial processes, recording and measuring devices, quality control, flowmeters, level gauges, safety devices, radiation counters, etc. These papers represent contributions of various Soviet institutes and laboratories. They were published as Transactions of the All-Union Conference on the Use of Radioactive and Stable Isotopes and Radiation in the National Economy and Science, April 4-12, 1957. No personalities are mentioned. References are given at the end of most of the papers.

Auzan, Ya. A., V.E. Banashek, Kh.E. Gunne, I.M. Taksar, A.D. Tumul'kan, P.F. Chaplinskiy, I.A. Kymanis, and V.A. Yanushkovskiy (Institut fiziki AN Latviyskoy SSR, zavody "BEF", "Kompressor" i "Dzinmars" – Institute of Physics, Academy of Sciences, Latvian SSR; "VEF", "Kompressor", and "Dzinmars" Plants). Automation and Control Equipment With Radioactive Relays 259

Segalin, V.G. (Vsesoyuznyy nauchno-issledovatel'skiy ugol'nyy institut – All-Union Scientific Coal Institute). Gamma Relay With Crystal Triodes 264

Klempner, K.S. Evaluation of the Minimum Necessary Charge of Counters in a Gamma Relay 266

Shumilovskiy, N.N., Yu.V. Gushchin, and M. I. Tolokonnikov (Institut avtomatiki i telemekhaniki AN SSSR – Institute of Automation and Telemechanics, Academy of Sciences, USSR). Use of Radioactive Isotopes for the Automatic Control of the Flow of Liquids 267

Kryzhanovskiy, V.V., I.I. Saf'yants, and V.A. Yanushkovskiy (Institut fiziki Akademii nauk Latviyskoy SSR i Leningradskiy staleprokatnyy zavod – Institute of Physics, Academy of Sciences, Latvian SSR; Leningrad Steel Rolling Mill). Use of Short-lived Isotopes in the Control of the Process of Steel Strip Manufacture 271

Shumilovskiy, N.N., and L.V. Mel'ttser (Institut avtomatiki i telemekhaniki AN SSSR – Institute of Automation and Telemechanics, Academy of Sciences, USSR). Use of Radioactive Radiations in the Noncontact Control of the Volume and Velocity of a Stream of Gas 276

Rebo, Ya. Yu., and D.N. Ziv. Use of Alpha Emitters for the Measurement of Gas Density 280

Iordan, G.G., K.S. Furman, and T.G. Neyman (Nauchno-issledovatel'skiy institut teploenergeticheskogo priborostroyeniya – Scientific Research Institute for Heat-Power Instrument Making). Equipment for the Automatic Control of Gas Flow by Means of Beta Radiation 286

Polonik, P.A., L.V. Mel'ttser, and N.I. Panyukov (Tsentral'nyy nauchno-issledovatel'skiy institut shelkovoy promyshlennosti – Central Scientific Research Institute of the Silk Industry). Use of Radioactive Isotopes for the Dissipation of Electrostatic Charges in the Silk Industry 289

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, N.P.

ANDREYEV, A.B.; ANTONOV, A.I.; ARAPOV, P.P., BARMASH, A.I., BEDNYAKOVA, A.B.; BEMIN, G.S.; BERESNEVICH, V.V.; BERNSHTEYN, S.A.; BITYUTSKOV, V.I.; BLYUMENBERG, V.V.; BONCH-BRUYEVICH, M.D.; BORMOTOV, A.D.; BULGAKOV, N.I.; VEKSLER, B.A.; GAVRILENKO, I.V.; GENDLER, Ye.S., [deceased]; GERLIVANOV, N.A., [deceased]; GIBSHMAN, Ye.Ye.; GOLDOVSKIY, Ye.M.; GORBUNOV, P.P.; GORYAINOV, F.A.; GRINBERG, B.G.; GRYUNER, V.S.; DANOVSKIY, N.F.; DZEVUL'SKIY, V.M., [deceased]; DREMAYLO, P.G.; DYBETS, S.G.; D'YACHENKO, P.F.; DYURMBAUM, N.S., [deceased]; YEGORCHENKO, B.F. [deceased]; YEL'YASHKEVICH, S.A.; ZHERESOV, L.P.; ZAVEL'SKIY, A.S.: ZAVEL'SKIY, F.S.; IVANOVSKIY, S.R.; ITKIN, I.M.; KAZHDAN, A.Ya.; KAZHINSKIY, B.B.; KAPLINSKIY, S.V.: KASATKIN, F.S.; KATSAUROV, I.N.; KITAYGORODSKIY, I.I.; KOLESNIKOV, I.F.; KOLOSOV, V.A.; KOMAROV, N.S.; KOTOV, B.I.; LINDE, V.V.; LEBEDEV, H.V.; LEVITSKIY, N.I.; LOKSHIN, Ya.Yu; LUTTSAU, V.K.; MANNENBERGER, A.A.; MIKHAYLOV, V.A.; MIKHAYLOV, N.M.; MURAV'YEV, I.M.; NYDEL'MAN, G.E.; PAVLYSHKOV, L.S.; POLUYANOV, V.A.; POLYAKOV, Ye.S.; POPOV, V.V.; POPOV, N.I.; RAKHLIN, I.Ye., RZHEVSKIY, V.V.; ROZENBERG, G.V.; ROZENTRETER, B.A.; ROKOTYAN, Ye.S.; RUKAVISHNIKOV, V.I.; RUTOVSKIY, B.N. [deceased]; RYVKIN, P.M.; SMIRNOV, A.P.; STEPANOV, G.Yu, STEPANOV, Yu.A.; TARASOV, L.Ya.; TOKAREV, L.I.; USPASSKIY, P.P.; FEDOROV, A.V.; FERE, N.E.; FRENKEL', N.Z.; KHEYFETS, S.Ya.; KHLOPIN, M.I.; KHODOT, V.V.; SHAMSHUR, V.I.; SHAPIRO, A.Ye.; SHATSOV, N.I.; SHISHKINA, N.N.; SHOR, E.R.; SHPICHENETSKIY, Ye.S.; SHPRINK, B.E.; SHTERLING, S.Z.; SHUTYY, L.R.; SHUKHGAL'TER, L. Ya.; ERVAYS, A.V.;

(Continued on next card)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

ANDREYEV, A.B. (continued) .... Card 2.

YAKOVLEV, A.V.; ANDREYEV, Ye.S., retsenzent, redaktor; BERKEN-GEYM, B.M., retsenzent, redaktor; BERMAN, L.D., retsenzent, redaktor; BOLTINSKIY, V.N., retsenzent, redaktor; BONCH-BRUYEVICH, V.L., retsenzent, redaktor; VELLER, M.A., retsenzent, redaktor; VINOGRADOV, A.V., retsenzent, redaktor; GUDTSOV, N.T., retsenzent, redaktor; DEGTYAREV, I.L., retsenzent, redaktor; DEM'YANYUK, F.S., retsenzent; redaktor; DOBROSMYSLOV, I.N., retsenzent, redaktor; YELANCHIK, G.M. retsenzent, redaktor; ZHEMOCHKIN, D.N., retsenzent, redaktor; SHURAVCHENKO, A.N., retsenzent, redaktor; ZLODEYEV, G.A., retsenzent, redaktor; KAPLUNOV, R.P., retsenzent, redaktor; KUSAKOV, M.M., retsenzent, redaktor; LEVINSON, L.Ye., [deceased] retsenzent, redaktor; MALOV, N.N., retsenzent, redaktor; MARKUS, V.A. retsenzent, redaktor; METELITSYN, I.I., retsenzent, redaktor; MIKHAYLOV, S.M., retsenzent; redaktor; OLIVETSKIY, B.A., retsenzent, redaktor; PAVLOV, B.A., retsenzent, redaktor; PANYUKOV, N.P., retsenzent, redaktor; PLAKSIN, I.N., retsenzent, redaktor; RAKOV, N.A. retsenzent, redaktor; RZHAVINSKIY, V.V., retsenzent, redaktor; RINBERG, A.M., retsenzent; redaktor; ROGOVIN, N. Ye., retsenzent, redaktor; RUDENKO, K.G., retsenzent, redaktor; RUTOVSKIY, B.N., [deceased] retsenzent, redaktor; RYZHOV, P.A., retsenzent, redaktor; SANDOMIRSKIY, V.B., retsenzent, redaktor; SKRAMTAYEV, B.G., retsenzent, redaktor; SOKOV, V.S., retsenzent, redaktor; SOKOLOV, N.S., retsenzent, redaktor; SPIVAKOVSKIY, A.O., retsenzent, redaktor; STRAMENTOV, A.Ye., retsenzent, redaktor; STRELETSKIY, N.S., retsenzent, redaktor;

(Continued on next card)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

ANDREYEV, A.V.,(continued) .... Card 3.

TRET'YAKOV, A.P., retsenzent, redaktor; FAYERMAN, Ye.M., retsenzent, redaktor; KHACHATYROV, T.S., retsenzent, redaktor; CHERNOV, H.V., retsenzent, redaktor; SHERGIN, A.P., retsenzent, redaktor; SHESTOPAL, V.M., retsenzent, redaktor; SHESHKO, Ye.F., retsenzent, redaktor; SHCHAPOV, N.M., retsenzent, redaktor; YAKOBSON, M.O., retsenzent, redaktor; STEPANOV, Yu.A., Professor, redaktor; DEM'YANYUK, F.S., professor, redaktor; ZNAMENSKIY, A.A., inzhener, redaktor;PLAKSIN, I.N., redaktor; RUTOVSKIY, B.N. [deceased] doktor khimicheskikh nauk, professor, redaktor; SHUKHGAL'TER, L. Ya, kandidat tekhnicheskikh nauk, dotsent, redaktor;BRESTINA, B.S., redaktor; ZNAMENSKIY, A.A., redaktor.

(Continued on next card)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

ANDREYEV, A.V. (continued) .... Card 4.

[Concise polytechnical dictionary] Kratkii politekhnicheskii slovar'. Redaktsionnyi sovet: IU.A.Stepanov i dr. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1955. 1136 p. (MLRA 8:12)

1. Chlen-korrespondent AN SSSR (for Plaksin)
(Technology--Dictionaries)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

1. PANYUKOV, P.N.

2. USSR (600)

4. CIVIL ENGINEERING

7. Prospects of developing Soviet geological engineering. Biul. MOIP. Otd. geol. 27 no. 4, 1952

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

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, P. N.

Panyukov, P. N. "The regional-geological method and the basic problems of soil study", Trudy Laboratorii gidrogeol. problem im. akad. Savarenskogo (Akad. nauk SSSR, Otdelenie geol.-geogr. nauk), Vol. III, 1948, p. 308-14, - Bibliog: 9 items.

SO: U-2888, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No. 2, 1949).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, P.N.

Dynamics of geological processes (author's summary). Biul.MOIP. Otd.geol. 28 no.4:101-102 '53. (MLRA 6:9)
(Geology)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, P.N., dots.kand.geol.mineral.nauk.

Indices of rock stability. Nauch.trudy MGI no.13/14:265-269 '54. (MIRA 10:10)

(Geology, Structural)
(Weathering)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, P. N.

PANYUKOV, P. N. --"Problems of Engineering Geology of Strip Mining of Coal." *(Dissertations for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions) Min of Higher Education USSR Moscow Geological Prospecting Inst imeni S. Ordzhonikidze, Moscow, 1955

SO: Knizhnaya Letopis', No. 25, 19 Jun 55

* For Degree of Doctor of Geological and Mineralogical Sciences

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, Panteleymon Nikolayevich; KOTLOV, F.V., otvetstvennyy redaktor; SLAVOROSOV, A.Kh., redaktor izdatel'stva; NADEINSKAYA, A.A., tekhnicheskiy redaktor

[short course in engineering geology] Kratkii kurs inzhenernoi geologii. Moskva, Ugletekhizdat, 1956. 156 p. (MLRA 9:12)
(Engineering geology)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, P.N.

ABRAMOV, S.K., kand.tekhn.nauk; AVERSHIN, S.G., prof., doktor tekhn.nauk; AMMOSOV, I.I., doktor geol.-min.nauk; ANDRIYEVSKIY, V.D., inzh.; ANTROPOV, A.N., inzh.; AFANAS'YEV, B.L., inzh.; BERGMAN, Ya.V., inzh.; BLOKHA, Ye.Ye., inzh.; BOGACHEVA, Ye.N., inzh.; BUKRINSKIY, V.A., kand.tekhn.nauk; VASIL'YEV, P.V., doktor geol.-min.nauk; VINOGRADOV, B.G., inzh.; GOLUBEV, S.A., inzh.; GORDIYENKO, P.D., inzh.; GUSEV, N.A., kand.tekhn.nauk; DOROKHIN, I.V., kand.geol.-min.nauk; KALMYKOV, G.S., inzh.; KASATOCHKIN, V.I., doktor khim.nauk; KOROLEV, I.V., inzh.; KOSTLIVTSEV, A.A., inzh.; KRATKOVSKIY, L.F., inzh.; KRASHENINNIKOV, G.F., prof. doktor geol.-min.nauk; KRIKUNOV, L.A., inzh.; LEVIT, D.Ye., inzh.; LISITSA, I.G., kand.tekhn.nauk; LUSHNIKOV, V.A., inzh.; MATVEYEV, A.K., dots., kand.geol.-min.nauk; MEPURISHVILI, G.Ye., inzh.; MIRONOV, K.V., inzh.; MOLCHANOV, I.I., inzh.; NAUMOVA, S.N., starshiy nauchnyy sotrudnik; NEKIFELOV, V.Ye., inzh., PAVLOV, F.F., doktor tekhn.nauk; PANYUKOV, P.N., doktor geol.-min.nauk; POPOV, V.S., inzh.; PYATLIN, M.P., kand.tekhn. nauk; RASHKOVSKIY, Ya.N., inzh.; ROMANOV, V.A., prof., doktor tekhn. nauk; RYZHOV, P.A., prof., doktor tekhn.nauk; SELYATITSKIY, G.A., inzh.; SPERANSKIY, M.A., inzh.; TERENT'YEV, Ye.V., inzh.; TITOV, N.G., doktor khim.nauk; GOKAREV, I.F., inzh.; TROYANSKIY, S.V., prof., doktor geol.-min.nauk; FEDOROV, B.D., dots., kand.tekhn.nauk; FEDOROV, V.S., inzh. [deceased]; KHOMENTOVSKIY, A.S., prof., doktor geol.-min.nauk; TROYANOVSKIY, S.V., otvetstvennyy red.; TERPIGOREV, A.M., red.; KRIKUNOV, L.A., red.; KUZNETSOV, I.A., red.; MIRONOV, K.V., red.; AVERSHIN, S.G., red.; BURTSEV, M.P., red.; VASIL'YEV, P.V., red.; MOLCHANOV, I.I., red.; RYZHOV, P.A., red.; BALANDIN, V.V., inzh., red.; BLOKH, I.M., kand. tekhn.nauk, red.; BUKRINSKIY, V.A., kand.tekhn.nauk, red.; VOLKOV, K.Yu., inzh., red.; VOROB'YEV, A.A., inzh., red.; ZVONAREV, K.A., prof. doktor tekhn.nauk, red.

(Continued on next card)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

ABRAMOV, S.K.-- (continued) Card 2.
ZDANOVICH, V.G., prof., doktor tekhn.nauk, red.; IVANOV, G.A., doktor geol.-min.nauk, red.; KARAVAYEV, N.M., red.; KOROTKOV, G.V., kand.geol.-min.nauk, red.; KOROTKOV, M.V., kand.tekhn.nauk, red.; MAKKAVEYEV, A.A., doktor geol.-min.nauk, red.; OMEL'CHENKO, A.N., kand.tekhn.nauk, red.; SEMDERZON, E.M., kand.geol.-min.nauk, red.; USHAKOV, I.N., dots., kand. tekhn.nauk, red.; YABLOKOV, V.S., kand.geol.-min.nauk, red.; KOROLEVA, T.I., red.izd-va; KACHALKINA, Z.I., red.izd-va; PROZOROVSKAYA, F.L., tekhn.red.; NADEINSKAYA, A.A., tekhn.red.

[Mining; an encyclopedia handbook] Gornoe delo; entsiklopedicheskii spravochnik. Glav. red. A.M.Terpigorev. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po ugol'noi promyshl. Vol.2. [Geology of coal deposits and surveying] Geologiia ugol'nykh mestorozhdenii i marksheiderskoe delo. Redkolegiia toma S.V.Troianskiy. 1957. 646 p. (MIRA 11:5)

1. Chlen-korrespondent AN SSSR (for Karavayev)
(Coal geology--Dictionaries)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, P.N.

Current problems in engineering geology. Biul. MOIP. Otd. geol. 34 no.5:156 S-O '59. (MIRA 14:6)
(Engineering geology)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, P.N., prof. doktor geologo-mineralogicheskikh nauk

Basis of engineering and geological research is the rock massif. Nauch. trudy MGI no.28:57-76 '59. (MIRA 14:3)
(Geological research)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, P.N., prof., doktor geol.-mineral.nauk

Investigating conditions of pit edge stability by the method of mining geometry. Nauch. trudy MGI no.26:17-24 '59. (MIRA 13:11)
(Strip mining) (Soil mechanics)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, P.N.

Temperature balance in geological processes. Nauch.dokl.vys. shkoly; geol.-geog.nauki no.1:21-28 '59. (MIRA 12:6)

1. Moskovskiy gornyy institut im. Stalina, kafedra geologii.
(Earth temperature)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

KISSIN, I.G.; KULIBABA, F.V.; PAFFENGOL'TS, N.K.; POPOV, I.V., doktor geol.-mineral.nauk; SLAVYANOV, V.N.; SOKOVICH, L.M.; FANDEYEVA, V.I.; BOGOMOLOV, G.V., retsenzent; KOTLOV, F.V., retsenzent; PANYUKOV, P.N., retsenzent; PRIKLONSKIY, V.A., retsenzent; SOKOLOV, N.I., retsenzent

[Conditions in the area of the Kursk Magnetic Anomaly from the point of view of engineering geology and hydrogeology; data on the development of deposits using the open-pit mining method] Inzhenerno-geologicheskie i gidrogeologicheskiy usloviia raiona kurskoi magnitnoi anomalii. Moskva, Izd-vo Akad. nauk SSSR, 1960, 165 p. (Akademiia nauk SSSR. Laboratoriia gidrogeologicheskikh problem. Trudy, no.28)

(Kursk Magnetic Anomaly--Mining geology)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, P.N.

Classification and characteristics of physicogeological phenomena. Trudy Lab.gidrogeol.probl. 35:9-13 '61. (MIRA 15:1)
(Geology)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, Panteleymon Nikolayevich; SLAVOROSOV, A.Kh., red. izd-va; LOMILINA, L.N., tekhn. red.

[Engineering geology] Inzhenernaia geologiia. Moskva, Gosgortekhizdat, 1962. 342 p. (MIRA 16:7)
(Engineering geology)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, P.N., doktor geol.-mineral. nauk, prof.; POPOV, S.I., doktor tekhn. nauk, prof.

Readers' response to the article "Constructing the expected surface of sliding according to stresses in open pit sides". Ugol' 39 no.10: 50-51 O '64. (MIRA 17:12)

1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki (for Panyukov). 2. Magnitogorskiy gornometallurgicheskiy institut (for Popov).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOV, Panteleymon Nikolayevich

PANYUKOV, Panteleymon Nikolayevich (Moscow Mining Inst imeni Stalin). Academic degree of Doctor of Geological-Mineral Sciences, based on his defense, 16 November 1955, in the Council of the Moscow Geological Research Inst imeni Ordzhonikidze, of his dissertation entitled: "Problems of engineering geology of open mining of coal deposits." For the Academic Degree of Doctor of Sciences.

SO: Byulleten' Ministerstva Vysshego Obrazovaniya SSSR, List No. 6, 17 March 1956, Decision of Higher Certification Commission Concerning Academic Degrees and Titles.

JPRS 512

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

TANYUKOV, V., [illegible]

Science

Traveling animals; series "For the young reader". Irkutsk, Irkutskoe obl. gos. isd-vo, 1951.

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

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOVA, G.F.

Spring and summer flow of the Terek River and methodology of forecasting it. Trudy TSIP no.129:85-92 '64.

(MIRA 17:10)

PANYUKOVA, M. A.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

USSR/Chemistry Antihelminthics Sep 51
Coumarin Derivatives

"Syntheses of Antihelminthic Substances of the Coumarin Series," I. Ya. Postovskiy, M. A. Panyukova, Ural Affiliate, All-Union Sci Res Chemicophar Inst imeni S. Ordzhonikidze

"Zhur Obshch Khim" Vol XXI, No 9, pp 1717-1720

In search for new antihelminthics, prepd new compds of coumarin series: 2-hydroxy-4-imino-6-hexyl-7-hydroxychroman (ketimine) and 4,7-dihydroxy-6-hexylcoumarin. Given to cats in doses of 0.1-0.2 g, these compds caused hyperemia of intestinal tract but no pronounced antihelminthic effects.

191T53

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

BORODANOV, N.M.; GRIGOR'YEV, S.T.; PANYUKOVA, Z.S.; SOKOLOV, V.M.; PYLAYEVA, A.P., red.; GOR'KOVA, Z.D., tekhn. red.; GUREVICH, M.M., tekhn. red.

[Collective-farm accountant's reference book] Spravochnik bukhgaltera kolkhoza. Moskva, Gos. izd-vo sel'khoz. lit-ry zhurnalov i plakatov, 1961. 583 p. (MIRA 14:8)

(Collective farms—Accounting)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOVA, M. A.

Acetonate of 9,10-dihydroxystearic acid from oleic acid. III. V. I. Kaslov and M. A. Panyukova (State Univ., Sverdlovsk). *Zhur. Obshchei Khim.* 27, 1552-4(1957); cf. *C.A.* 33, 4583[1].—Keeping 20 g. *9,10-dihydroxystearic acid* in 200 ml. 1% HCl in dry Me_2CO 12 days gave the *isopropylidene ketal*, d_{20} 0.9524, n_D^{20} 1.4605; treatment with 20% KOH at 100° and careful acidification gave the isopropylidene deriv., purified by extn. with petr. ether to remove the free acid. The pure product was a viscous oil, d_{20} 0.9485, n_D^{20} 1.4565. This heated to 295-300° gave up to 30% *10-oxostearic acid*, m. 79-1°. The results of acetonation indicate that a small amt. of esters is formed during the formation of the ketal. G. M. Kolanoff

Distr: 4E4j

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOVA, M.A.

Dehalogenation of iodoxystearic acids by alkaline earth hydroxides.
Zhur.ob.khim. 32 no.9:3044-3047 S '62. (MIRA 15:9)

1. Ural'skiy gosudarstvennyy universitet.
(Stearic acid) (Alkaline earth hydroxides)
(Halogens)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOVA, M.A.; ISAKOVA, V.A.; TEREKHOVA, R.P.

Dehalogenation of iodoxybehenic acids by alkaline earth hydroxides. Part 2. Zhur.ob.khim. 33 no.12:4002-4004 D '63. (MIRA 17:3)

1. Ural'skiy gosudarstvennyy universitet.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUKOVA, M.A.; AZAROVA, V.I.

Acetonation of 10,11-dihydroxyundecanoic acid. Part 4. Zhur.ob. khim. 33 no.12:4004-4005 D '63. (MIRA 17:3)

1. Ural'skiy gosudarstvennyy universitet.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

Hydrogen permeability of cellulose acetate film. S. A. Reitlinger and L. A. Panyumina. *J. Applied Chem.* (U. S. S. R.) 12, [illegible] in French, [illegible]. The degree of aggregation of micelles of cellulose acetate had no effect on hydrogen permeability of films, but the permeability increased with an increase of Ac group of cellulose acetate. Addn. of plasticizers above certain limits also increased hydrogen permeability of film. A. A. P.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

SHARAPOV, V.D., inzh.; PANYUSHEVA, Z.A., inzh.; PLUTALOVA, L.A., kand. tekhn.nauk

Preventing corrosion of metal surfaces contacting graphite materials. Vest.mashinostr. 42 no.8:8-12 Ag '62. (MIRA 15:8)
(Graphite) (Metals--Corrosion)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

40069

S/122/62/000/008/001/004
D262/D308

11 8300

AUTHORS: Sharapov, V.D., Engineer, Panyushova, Z.A., Engineer, Plutalova, L.A., Candidate of Technical Sciences

TITLE: Prevention of Corrosion on metal surfaces in contact with graphite materials

PERIODICAL: Vestnik mashinostroyeniya, no. 8, 1962, 8 - 12

TEXT: Graphite anti-friction material Э - 45 (Е - 45) was treated with solutions of corrosion preventives (inhibitors): various compositions of nitrites and chromates, and tested. Its physical and mechanical properties after treatment (weight, hardness, compression strength, modulus of elasticity, wearing qualities) were also investigated and the results of the experiments recorded in the form of graphs and tables and analyzed. The application of atmospheric corrosion inhibitors is found to be possible and expedient. The best method is to impregnate the graphite materials

Card 1/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

Prevention of Corrosion ... 5/122/62/000/008/001/004
D202/D308

with inhibitor solutions, НДА (NDA) being considered as one of the most effective.

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

S/883/62/000/000/010/020
E194/E155

AUTHORS: Plutalova, L.A., and Panyusheva, Z.A.

TITLE: A method of assessing the wear resistance of graphite materials

SOURCE: Metody ispytaniya na iznashivaniye; trudy soveshchaniya, sostoyavshegosya 7-10 dek. 1960. Ed. by M.M. Khrushchov. Moscow, Izd-vo AN SSSR, 1962. 100-105

TEXT: The design of a friction and wear testing machine for graphitic anti-friction materials was governed by their specific properties, namely: the special kind of running-in, their brittleness and the influence of surface films of water, or oil. In the machine, six loaded graphite blocks (10 x 10 x 15 mm) rest on a replaceable collar (50 mm diameter) mounted on a shaft which is in oscillatory-rotary motion. Oscillatory motion was chosen to represent piston ring conditions; each stroke covers one quarter of the collar diameter and three runs are, therefore, made on each collar. An average superficial speed of 0.24 m/sec was chosen. The collars are made either of steel 1Х18Н9 (1Kh18N9) or of pearlitic cast iron to a standard grade 8 surface finish.

Card 1/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANFISHIN, I. A.

Metallurgy

Dissertation: "Distribution of Sulfur Between Metals and Slag in the Process of Deoxidation of Pouring of Steel." Cand Tech Sci, Leningrad Polytechnic Inst., Leningrad, 1953.
(Referativnyy Zhurnal--Kimiya, Moscow, N 3, Feb 1954)

SO: SUM 213, 20 Sept 1954

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

Sov/133/58-9-1/29

AUTHORS: Tumarev, A. S. (Dr.Technical Sciences), Panyushin, L.A.

TITLE: Reduction of Iron Oxides in a Layer at a High Pressure of the Gaseous Phase (Vosstanovleniye okislov zheleza v sloye pri vysokom davlenii gazovoy fazy)

PERIODICAL: Stal', 1958, Nr 9, pp 769-776 (USSR)

ABSTRACT: The influence of pressure of the gaseous reducing medium on the kinetics of reduction of iron oxides were investigated under laboratory conditions. A chemically pure and finely powdered ferric oxide preignited to 1000°C was used as a material for the reduction and carbon monoxide prepared by the decomposition of iron carbonyl as a reducing medium. A 5 g sample of ferric oxide mixed with an equal amount of magnesia was taken for each experiment. The apparatus used is described in some detail (Fig.1). The reduction experiments were carried out at a temperature of 340°C and pressures of 1.2, 7 and 15 atm abs. The reaction rates were determined on the basis of CO_2 content in the outgoing gas (recorded) and analysis of the treated samples. The experimental results are shown in the form of kinetic curves - Figs.2-5. The dependence of the velocity of reduction of ferric oxide on the throughput of reducing gas at various pressures - Fig.6 and that of magnetite - Fig.7; the

Card 1/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

Sov/133/58-9-1/29

Reduction of Iron Oxides in a Layer at a High Pressure of the Gaseous Phase

dependence of the velocity of reduction of ferric oxide on the pressure of gaseous phase - Fig.8 and that of magnetite - Fig.9; the dependence of the rate of decomposition of CO (carbon deposition reaction) on the pressure of gaseous phase - Fig.10, and that on the throughput - Fig.11. It is concluded that: 1) In the kinetic region of the reduction process an increase in pressure increases the rate of reduction of iron oxides. 2) The influence of pressure on the rate of the heterogeneous reduction process increases with increasing velocity of the gas stream, i.e., the more is the process shifted into the kinetic region. 3) The influence of pressure on the velocity of reduction is more pronounced for magnetite than for ferric oxide. Generally the influence of pressure increases with increasing difficulty with which an oxide can be reduced. 4) The influence of pressure increases with increasing degree of reduction of an oxide. 5) With increasing pressure in a blast furnace the velocity of reduction of iron oxides in the region of low and moderate

Card 2/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

Sov/133/58-9-1/29

Reduction of Iron Oxides in a Layer at a High Pressure of the Gaseous Phase

temperatures should increase, i.e. the velocity and the degree of indirect reduction. 6) The experimental data confirm the correctness of the theoretical analysis of the influence of pressure on the velocity of heterogeneous process of reduction of oxides (Ref.3). 7) With increasing pressure the velocity of carbon deposition reaction increases. With increasing rate of flow of the reducing gas the above influence decreases. There are 11 figures and 3 Soviet references.

ASSOCIATION: Institut metallurgii AN SSSR (Institute of Metallurgy of the Academy of Sciences of the USSR)

Card 3/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

TUMAFEV, A.S.; PANYUSHIN, L.A.

Reduction of copper oxide film at high pressures of the gaseous phase. Zhur. prikl. khim. 31 no.9:1304-1310 S '58. (MIRA 11:10)

1. Laboratoriya vysokochastotnoy elektrotermii instituta metallurgii AN SSSR imeni A.A. Baykova.
(Copper oxides) (Reduction, Chemical)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

TUMAREV, A.S., prof.; PANYUSHIN, L.A., dots.

Effect of certain elements on the scale resistance of nickel. Izv.vys.ucheb.zav.; chern.met. 2 no.8:117-121 Ag '59. (MIRA 13:4)

1. Leningradskiy politekhnicheskiy institut.
(Nickel alloys--Corrosion)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

18.8000,18.3100

77144
SOV/148-59-9-14/22

AUTHORS: Tumarev, A. S. (Professor), Panyushin, L. A. (Docent)

TITLE: Oxidation Resistance of Nickel-Aluminum-Chromium Ternary Alloys

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Chernaya metallurgiya, 1959, Nr 9, pp 125-131 (USSR)

ABSTRACT: Each of the above elements affects oxidation resistance of alloys in a different way. Results of previous investigations on the subject are presented in the papers of O. Kubashevskiy, V. Gopkins (Oxidation of Metals and Alloys, Publishing House of Foreign Literature, 1958) and I. I. Kornilov (Iron Alloys, Vol 3, 1956). The authors investigate alloys which correspond to the nickel corner of the concentration triangle, with sides on which aluminum and chromium are plotted with the content of the latter up to 20%, i.e., within the range of widely used alloys. Specimens (5 mm diam, 25 mm long) from alloys being investigated were oxidized for 8 hr at temperatures ranging from 900 to 1,200° C in a dry oxygen

Card 1/9

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

Oxidation Resistance of Nickel-Aluminum-Chromium Ternary Alloys 77144
SOV/148-59-9-14/22

atmosphere. Rates of oxidation were determined by weight increases of specimens registered every hour. The index of oxidation (g/m^2) was obtained by dividing the weight increase in grams by the surface area of the sample in m^2. About 50 nickel alloys with a maximum aluminum and chromium content of 20% each were tested. To begin with, 6 groups of alloys with the following chromium content: 0; 2; 4; 9; 12; and 16% were taken. An analysis of the graphs plotted during investigations revealed that the presence of up to 4% aluminum decreases the oxidation resistance of nickel, while 4-9% aluminum promotes such resistance considerably. Further increases in aluminum content have almost no effect on oxidation resistance of the alloy. However, the introduction of chromium changes the character of this dependence. With the presence of 2% chromium, small additions of aluminum fail to lower oxidation resistance of the alloy. In alloys with high chromium content, aluminum additions greatly promote oxidation resistance. An addition of 2% sharply improves

Card 2/9

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

Oxidation Resistance of Nickel-Aluminum-Chromium Ternary Alloys 77144

SOV/148-59-9-14/22

oxidation resistance of an alloy with 12% chromium. However, further increases of aluminum are not effective. The influence of temperature is higher for less oxidation-resistant alloys. Fig. 4 shows that oxidation resistance of alloys at 1,200° C with varying chromium content is greatly changed by minor aluminum additions, but remains almost unaffected by major additions of aluminum. In a second series of tests, six groups of alloys with the following constant aluminum contents were investigated: 0; 2; 4; 6; 9; and 13% Al. The authors found the presence of maximum 5% chromium to increase the rates of nickel oxidation. Further additions of chromium drastically reduce the rates of oxidation. However, the effect of chromium is less conspicuous at higher oxidation temperatures. Introduction of aluminum changes the effect of chromium on oxidation resistance of the alloy. Fig. 8 illustrates the effect of aluminum at 1,200° C, i.e., the higher the aluminum content in

Card 3/9

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

77144
SOV/148-59-9-14/22

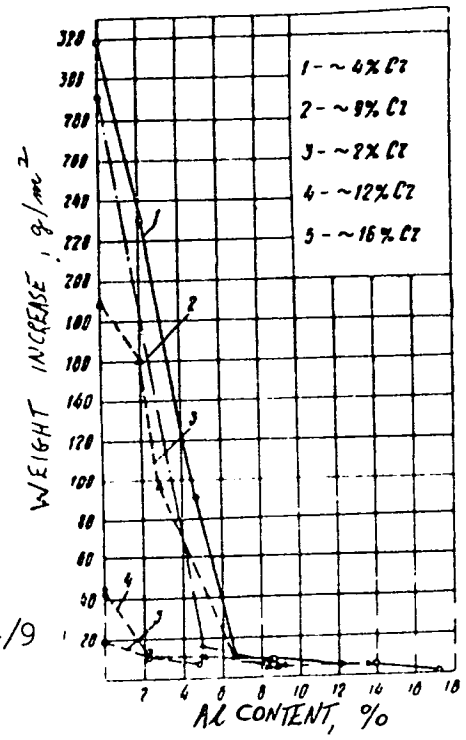


Fig. 4. Dependence of oxidation resistance of alloys of varying chromium content on aluminum content.

Card 4/9

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

77144 SOV/148-59-9-14/22

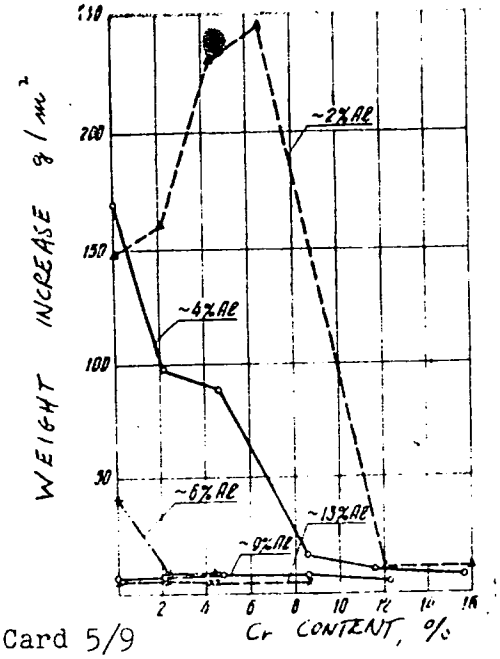


Fig. 8. Dependence of oxidation resistance of alloys with varying Al content on Cr content.

Card 5/9

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

the alloy, the higher its resistance to oxidation; it also shows that for alloys with an aluminum content of $\geqslant 9\%$ additions of chromium do not change the oxidation resistance of the alloy. The influence of aluminum and chromium on heat resistance of ternary alloys Ni-Cl-Cr is most obvious from a three-dimensional diagram plotted as the result of 8-hr oxidation at 1,200° C (see Fig. 9). The same results are shown in a two-dimensional diagram in the form of lines of equal oxidation resistance for binary alloys. As a result of investigation, the authors conclude that binary Ni-Cr alloys (0-12% Cr) and ternary alloys adjoining them in the diagram have the lowest resistance to oxidation. Larger amounts of chromium result in higher oxidation resistance of the alloy as compared with pure nickel. Aluminum additions are even more effective. Figure 9 allows the determination of optimal aluminum and chromium concentrations and the Al-Cr ratios for achieving the required oxidation

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

77144 SOV/148-59-9-14/22

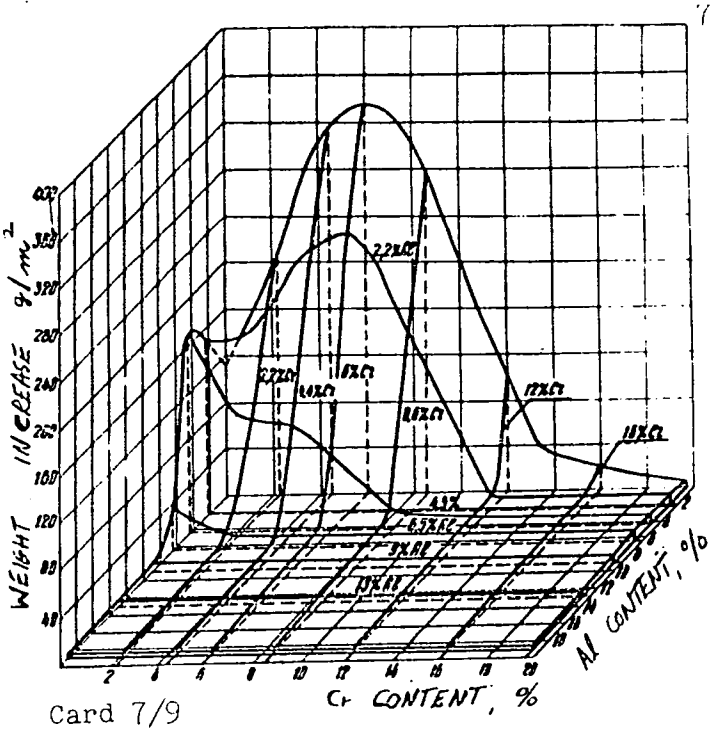


Fig. 9. Three-dimensional diagram of composition versus oxidation resistance for alloys of nickel with aluminum and chromium.

Card 7/9

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

77144 SOV/148-59-9-14/22

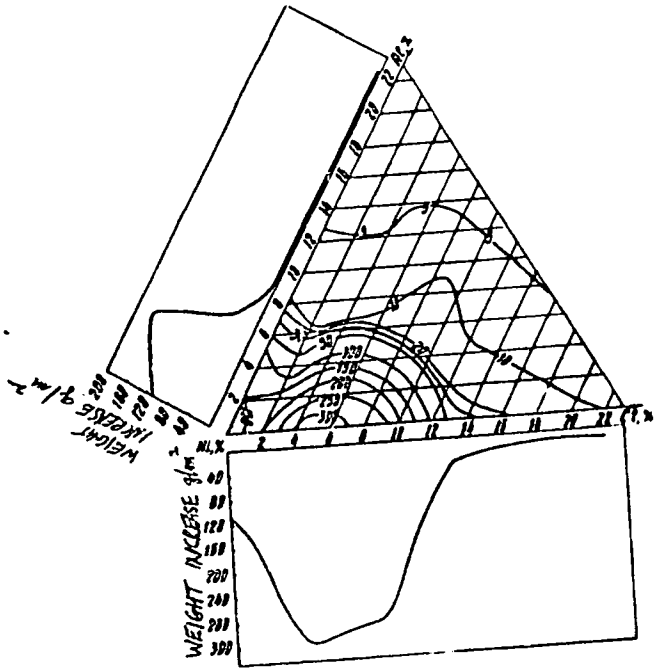


Fig. 10. Diagram of composition versus oxidation resistance for alloys of nickel with aluminum and chromium.

Card 8/9

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

Oxidation Resistance of Nickel-Aluminum-Chromium Ternary Alloys 77144
SOV/148-59-9-14/22

resistance with a low concentration of these elements. There are 10 figures; and 2 Soviet references as given above.

ASSOCIATION: Leningrad Polytechnic Institute (Leningradskiy politekhnicheskiy institut)

SUBMITTED: June 1, 1959

Card 9/9

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

TUMOREV, A.S., prof.; PANYUSHIN, L.A., dots.

Resistance to scaling in nickel-aluminum-chromium, ternary system, alloys. Izv.vys.ucheb.zav.; chern.met. 2 no.9:125-131 S '59. (MIRA 13:4)

1. Leningradskiy politekhnicheskiy institut.
(Nickel-aluminum-chromium alloys-- Testing)
(Oxidation)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

8 8655

S/137/60/000/012/034/041
A006/A001

18 3500

Translation from: Referativnyy zhurnal, Metallurgiya, 1960, No.12, p.236, # 29982

AUTHORS: Tumarev, A.S., Panyushin, L.A., Guts, A.V.

TITLE: Scale Resistance of Alloys of the Ternary Nickel-Aluminum-Titanium System

PERIODICAL: Nauchno-tekhn. inform. byul. Leningr. politekhn. in-t, 1959, No. 10, pp. 3 - 8

TEXT: The authors investigated the scale resistance of 70 alloys of the Ni-Al-Ti system whose Al and Ti concentration varied within 0 - 20%. Cast specimens, made of pure charge materials, were oxidized for 8 hours at 1,000, 1,100 and 1,200°C in dry O_2 atmosphere; the oxidation rate was determined by the method of periodic weighing without removal from the furnace. It was found that within the range of the compositions investigated, least scale resistance was shown by alloys with a high Ti content and 2-4% Al. Scale resistance increases with a higher Al

Card 1/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

88655

S/137/60/000/012/034/041
A006/A001

Scale Resistance Alloys of the Ternary Nickel-Aluminum-Titanium System

content and lower Ti concentration. At high amounts of Al, even at higher Ti concentration, the alloys are more scale resistant than pure Ni.

G.T.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

TUMAREV, A.S.; URAZGIL'DEYEV, A.Kh.; PANYUSHIN, L.A.

Steel desulfuration by the injection of powder reagents. Izv. vys. ucheb. zav.; chern. met. 5 no.7:86-96 '62. (MIRA 15:8)

1. Leningradskiy politekhnicheskiy institut.
(Desulfuration)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

S/080/62/035/005/004/015
D204/D307

AUTHORS: Tumarev, A. S. and Panyushin, L. A.

TITLE: A study of the interaction of chromium with iodine vapor

PERIODICAL: Zhurnal prikladnoy khimii, v. 35, no. 5, 1962, 1000-1007

TEXT: The present work is the first stage of a program undertaken at the Laboratoriya Vysokochastotnoy elektrotermii Instituta metallurgii AN SSSR (High-Frequency Electrothermal Processes Laboratory of the Metallurgy Institute AS USSR), aimed at (1) determination of the thermodynamic and kinetic data necessary for increasing the efficiency of purification of Cr by decomposition of its iodides, and (2) investigation of the possibility of devising a new and more productive process. Iodine vapor at 10^{-3} - 10^{-4} mm Hg was passed through a vertical reactor packed with +0.42 - -0.85 mm particles of electrolytic Cr, at temperatures ranging from 150 to

Card 1/3

...ion energy of
... was 23.60 Kcal. ... -
...tween 500 - 600°C by adjusting

... CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

A study of the ... S/080/62/035/005/004/015
D204/D307

the height of Cr column and the rate of flow of the I vapor. There are 4 figures and 1 table.

SUBMITTED: March 25, 1961

Card 3/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

TUMAREV, A.S.; PANYUSHIN, L.A.; GUTS, A.V.

Mechanism of the oxidation of nickel-chromium alloys. Izv. vys. ucheb. zav.; chern. met. 6 no.3:26-33 '63. (MIRA 16:5)

1. Leningradskiy politekhnicheskiy institut.
(Nickel-chromium alloys—Metallurgy)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

S/148/63/000/003/001/007
E193/E135

AUTHORS: Tumarev A.S., Panyushin L.A., and Guts A.V.

TITLE: The mechanism of oxidation of nickel-chromium alloys

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Chernaya metallurgiya, no.3, 1963, 26-33

TEXT: The object of the present investigation was to obtain quantitative data on the oxidation resistance of binary nickel-chromium alloys as a function of their chromium content. The effect of both small and large additions of each constituent was studied by chemical, X-ray diffraction and metallographic analyses. In order to shorten the duration of the experiments, the oxidation tests were conducted in dry, CO_2-free oxygen at 1100 and 1200 °C. Each test piece was oxidized for 8 hours, the oxidation rate being determined by semi-continuous gravimetric measurements. Levitation melting was used in the preparation of the experimental materials to ensure a high degree of their purity. A thin, narrow band of platinum was electrodeposited on every cylindrical test piece (5 mm diameter, 25 mm long) to serve as a marker. The results of the tests at 1200 °C are reproduced in

Card 1/4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

Fig.1, where the relative weight increment (g/m^2) is plotted against the oxidation time (h), the number ascribed to each curve denoting the chromium content in the alloy. Integrated results of the gravimetric measurements, chemical analysis, and X-ray diffraction examination of specimens oxidized for 8 hours at 1200 °C are reproduced in Fig.5, where the total relative weight increment (g/m^2, left-hand scale, curve 1), the nickel content in the oxide scale (%, right-hand scale, curve 2), and the constitution of the scale (top of the diagram) are plotted against the chromium content of the alloy. Conclusions. Small (up to 5.5%) chromium additions lower the oxidation resistance of nickel which reaches the highest level in alloys containing 15 - 50% chromium. As the chromium content in the alloy increases, the constitution of the scale formed at 1200 °C changes in the following manner: NiO; $NiCr_2O_4$ → NiO; $NiCr_2O_4$ + + α-Cr_2O_3; α-Cr_2O_3. The concentration-dependence of the oxidation resistance of nickel-chromium alloys can be explained as follows. At low (up to 5.5%) chromium concentrations, the chromium oxide dissolves in NiO and increases the number of the

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

The mechanism of oxidation of ... S/148/63/000/003/001/007
E193/E135

vacant, cationic sites in the NiO lattice; this facilitates diffusion of metal ions through the oxide scale and, consequently, increases the oxidation rate. When the chromium content is increased, a stage is reached at which more chromium oxide is formed than can be dissolved in NiO; as a result of a reaction between these two oxides a new compound (spinel) is formed. The scale consists now of two phases, spinel + NiO; since the rate at which ions can exchange sites in the spinel lattice is very slow, the rate of oxidation sharply decreases and remains at its lowest level as long as spinel is a constituent of the oxide scale. (The oxidation resistance of the alloys is unaffected by the nature of the other constituent). In alloys containing more than 55% Cr, spinel is no longer formed and the scale consists of α-Cr_2O_3 alone; since diffusion in α-Cr_2O_3 is more rapid than in $NiCr_2O_4$, the oxidation resistance of the alloys decreases.
There are 5 figures and 1 table.
ASSOCIATION: Leningradskiy politekhnicheskiy institut (Leningrad Polytechnical Institute)
SUBMITTED: February 10, 1962

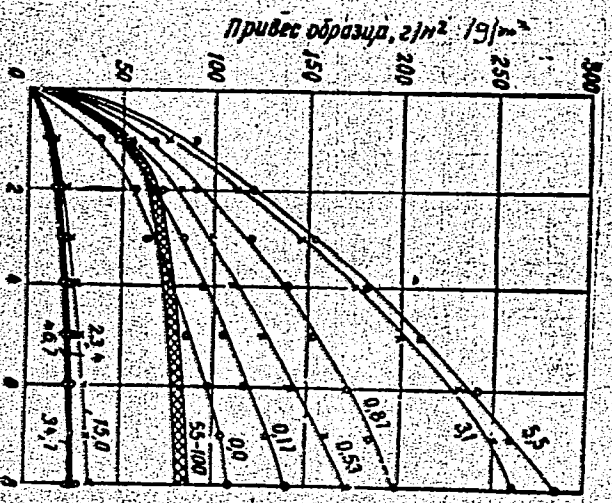
Card 3/4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

The mechanism of oxidation of ...

S/148/63/000/003/001/007
E193/E135



Card 4/4

Fig.1

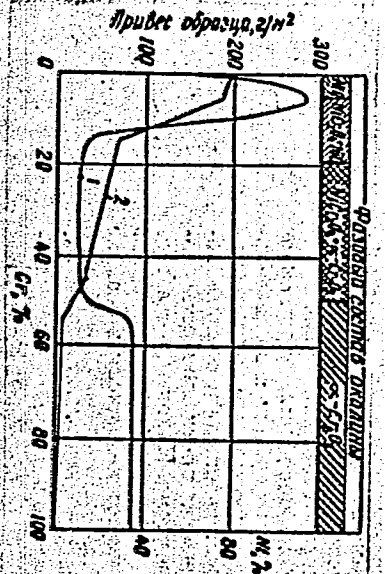


Fig.5

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

L 17639-65 EWT(m)/EPR/EWA(d)/EWP(t)/EWP(b) Ps-4 IJP(c)/ASD(m)-3/AFTC(p)
JD/JG

ACCESSION NR: AP4045814 S/0148/64/000/009/0143/0147

AUTHOR: Tumarev, A. S.; Panyushin, L. A.; Guts, A. V.

TITLE: Heat resistance of Cr-Al alloys

SOURCE: IVUZ. Chernaya metallurgiya, no. 9, 1964, 143-147

TOPIC TAGS: chromium alloy, aluminum containing alloy, oxidation resistant alloy, alloy, oxidation, oxide scale, oxidation resistance

ABSTRACT: In order to obtain quantitative data on the relationship between heat resistance and Al content in Cr-Al alloys, the authors carried out chemical, microscopic, and x-ray analyses of 8 alloys (Al content 0—37%) following exposure to oxygen at 100—1200C for up to 8 hr. In all cases, kinetic studies showed that scale formation proceeded according to a parabolic equation, producing straight lines when the square of the oxidation rate ($g/m^2 \cdot hr$) was graphed against time, but the coefficient of oxidation decreased sharply with increasing Al content (from about 600 $g^2/m^4 \cdot hr$ at 0—5% Al to 3.3 $g^2/m^4 \cdot hr$ at 37% Al). The protective effect of Al was more marked

1/4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

L 17639-65
ACCESSION NR: AP4045814

at 1200C than at 1100C, so that with 37% Al the rate was about the same at the two temperatures. As shown in Fig. 1 of the Enclosure, small amounts of Al had little effect on either the oxidation rate or the composition of the oxide scale, but as the Al content in the alloy was increased to 13% or higher, the percentage of Al_2O_3 in both the scale and heat resistance increased sharply. Above a certain Al concentration, the Al/Cr ratio in the scale remained greater than in the alloy, and the discontinuous changes in scale composition were paralled by discontinuous changes in alloy heat resistance. It appears that with a low Al content, oxidation is due to diffusion of O_2 through a single layer of scale; while, with Al contents above 13%, there are two layers of scale (mostly Al_2O_3 on the inside and Cr_2O_3 on the outside), and oxidation involves diffusion of both O_2 and the metal. Orig. art. has: 4 figures.

ASSOCIATION: Leningradskiy politekhnicheskiy institut (Leningrad Polytechnical Institute)

Card 2/4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

L 17639-65

ACCESSION NR: AP4045814

SUBMITTED: 06Jan64 ENCL: 01 SUB CODE: MM

NO REF SOV: 004 OTHER: 000

Card 3/4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

L 17639-65

ACCESSION NR: AP4045814

ENCLOSURE: 01

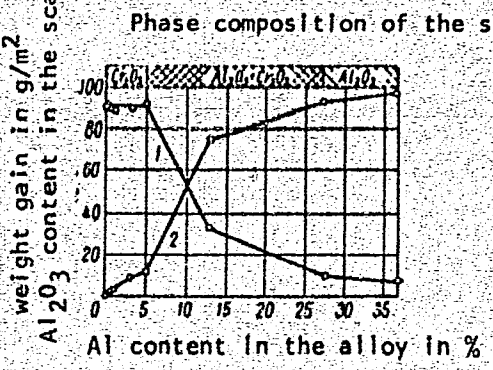


Fig. 1. Heat resistance (1) and phase and chemical composition (2) of the scale in relation to the Al content in the alloy.

Card 4/4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

TUMAREV, A. I.; [illegible], P. A.; PUSHKAREV, V. A.

Kinetics of the reduction of nickel oxide. Izv.vys.ucheb. zav.; tsvet.met. 8 no.2:39-44 '65.

(MIRA 1[illegible]:1)

1. Kafedra obshchey metallurgii Leningradskogo politekhnicheskogo instituta. Submitted November 20, 1963.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUSHKIN, A. N.

32450. Opyt vyrashchivaniya molodnyaka krupnogo rogatogo skota astrakhanskoy porody. [Astrakh. obl. opytnaya stantsiya po zhivotnovodstvu]. Sots zhivotnovodstvo, 1949, No. 8, s. 52-58.

SO: Letopis Zhurnal'nykh Statey, Vol, 7, 1949.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

USSR / Farm Animals. Cattle. Q-2

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54766.

Author : Panyushkin, A. N., Gruzinov, A. A., Kolodezhnyy I. S., Golovina, Z. T.
Inst : Not given.
Title : On the Effect of Certain Concentrates Upon the Weight Increase and Fat Deposition in Young Cattle.

Orig Pub: Tr. Chkalovskiy n.-i. in-t molochno-myasn. skotovodstva, 1956, vyp. 10, 299-305.

Abstract: Following the summer period of growing and pasture, four groups (six heads in each) of Aberdeen-Astrakhan castrated young bulls were formed, taking into account age, live weight and degree of fatness. During 40 days of fattening on pasture, the animals were receiving the following

Card 1/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUSHKIN, A.N., starshiy nauchnyy sotrudnik

From the experience in the use of Aberdeen-Angus cattle. Zhivotnovodstvo 21 no.6:52-56 Je '59. (MIRA 12:8)

1. Orenburgskiy nauchno-issledovatel'skiy institut molochno-myasnogo skotovodstva.
(Aberdeen-Angus cattle)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

CHEPURKO, M.I., kand. tekhn. nauk; BUYNOVSKIY, A.M.; STEFANSKIY, [illegible]; KIRVALIDZE, N.S.; PANYUSHKIN, A.V.; TARASENKO, V.A.; SHERSTYUK, Ya.P.

Extrusion of bimetallic pipe made of steel and copper. Met. i gornorud. prom. no.6:36-38 N-D '64. (MIRA 18:2)

Card 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

ACC NR: AP6018224 (N) SOURCE CODE: UR/0383/66/000/001/0041/0043

AUTHOR: Chepurko, M. I. (Candidate of technical sciences); Smorshchok, V. S.; Buynovskiy, A. M.; Panyushkin, A. V.

48
47
B

ORG: none

TITLE: Extrusion of bimetallic steel-copper pipes

SOURCE: Metallurgicheskaya i gornorudnaya promyshlennost', no. 1, 1966, 41-43

TOPIC TAGS: pipe, metal extrusion, bimetal, metal cladding

ABSTRACT: Bimetallic pipes of No. 10 steel and M3S copper were extruded on a vertical 1500 T power press (container ∅=150 mm, die ∅=74 mm, punch ∅=64 mm, temperature 900 to 920C, graphite oil and 10% salt lubricant). The pipe sections were 4000 mm long, had an outside diameter of 73.5 mm and total wall thickness of 5 mm. Thickness of the inside copper layer ranged from 0.20—0.25 to 0.90 mm. The extrusion technique is described. Inspection of finished pipe indicated a relatively uniform distribution of copper cladding over the length of the pipe. Copper thickness below 0.90 mm resulted in substandard material. It is concluded that the technology described can be employed to manufacture steel pipe with inside copper cladding as a finished product or as a final billet. Orig. art. has: 3 figures and 2 tables.

Card 1/2 UDC: 621.774.332

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUSHKIN, I.I., inzh.

Experience in the operation of UMPT-4 peat-winning machines fitted with milling drums. Torf.prom. 35 no.2:29 '58. (MIRA 11:5)

1. Ozeretskoye torfopredpriyatiye.
(Peat machinery)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

Panyushkin, I. V.

AUTHORS: Panyushkin, I.V., and Musikhina, E.K., Chief Researcher Engineer 130-12-10/24

TITLE: Mixture for Fettling Open-hearth Furnace Bottoms (Smes' dlya navarki podin martenovskikh pechey)

PERIODICAL: Metallurg, 1957, No.12, p. 20 (USSR).

ABSTRACT: From September, 1956, a mixture of magnesite powder, raw dolomite (0-4 mm) and scale (optimal proportions 80, 13 and 7%, respectively) has been used for bottom fettling in the duplex shop at the Chusovsk Metallurgical Works (Chusovskiy metallurgicheskiy zavod). The authors describe the method of using this mixture and compare times for the different stages of the process with those required when magnesite alone was used, the total times being given as 4 hr 30 min and 5 hr 25 min, respectively. A fettling life of 9 - 12 days is obtained. There is 1 table.

ASSOCIATION: Chusovoy Metallurgical Works (Chusovskiy metallurgicheskiy zavod)

AVAILABLE: Library of Congress

Card 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUSHKIN, I.V.

PANYUSHKIN, I.V.; MUSIKHINA, M.K.

Mixture to be glazed on open-hearth bottoms. Metallurg 2 no.12:20 D '57. (MIRA 10:12)

1. Starshiy master pechey Dupleks-tsekha Chusovskogo metallurgicheskogo zavoda (for Panyushkin). 2. Starshiy inzhener-issledovatel' Dupleks-tsekha Chusovskogo metallurgicheskogo zavoda (for Musikhina).
(Open-hearth furnaces)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUSHKIN, M.M., podpolkovnik med.sluzhby

Diagnosis of postinfection focal affections of the myocardium in examining flying personnel for physical fitness. Voen.-med.zhur. no.11:65-69 N'56 (MIRA 12:1)

(HEART--DISEASES)
(RUSSIA--AIR FORCE--MEDICAL EXAMINATION)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PANYUSHKIN, M. M. Lt.Col.Med.Serv.

"Problem of Diagnosis of Focal Postinfection Damages to Myocardium: The Experience Acquired During the Medical Determination of Fitness for Air Force Duty," Voyenno-medits. zhur., No.11, pp. 65-69, 1956

Summary of article 1119951

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

5

12

Adaptation of the Production of Rectangular Tubes on Reducing Mills. N. Panyushkin and S. Kamenev. (Stal, 1939, No. 7, pp. 26–34). (In Russian). A modification of the reducing tube mill which permits the rolling of rectangular-section tubes is described with detailed reference to the design of the rolls.

COMMON ELEMENTS

MATERIALS INDEX

OPEN

COMMON VARIABLES INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

MATERIALS INDEX

AUTHOR INDEX

1ST AND 2ND LETTER

3RD LETTER

3RD AND 4TH ORDERS

5TH ORDERS

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

PROCESSES AND PROPERTIES INDEX

S

12

The Correct Calibration of Rolls as a Basic Factor Determining the Output Capacity of Tube Rolling Mills. P. Emel'yanenko and N. Panyushkin. (Stal, 1937, No. 12, pp. 43-52). (In Russian). A formula which has been developed for the time required for tube rolling in terms of the various technological factors shows that the output of the rolling mill can be increased only by increasing the rate at which the material is supplied to the rolls, and not by increasing the degree of deformation. If a satisfactory quality is to be obtained in the finished product, a rapid rate of supply of the metal must go hand-in-hand with a correct calibration of the rolls. A formula, in polar co-ordinates, is developed for the optimum profile of the roll pass, and the spread of the metal during the tube-rolling process is considered. Finally, as a change in the diameter of the rolls resulting from regrinding necessitates either a change in the shape of the pass or in the amount of deformation to which the metal is subjected, the authors give nomograms for the rapid and easy determination of these variables on the basis of available data.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

SAVKIN, P.V., inzh.; PANYUSHKIN, N.V., inzh.; BERDYANSKIY, M.G., inzh.

Ways of improving the performance of automatic pipe mill equipment. Stal' 23 no.10:927-928 O '63. (MIRA 16:11)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

KONOVALOV, V.S.; KIRSANOV, V.M.; PANYUSHKIN, N.V.; PATLAN', Ye.F.

Improving the quality of the head part of a killed steel ingot.
Stal' 25 no.5:417-418 My '65. (MIRA 18:6)

1. Truboprokatnyy zavod im. K.Libknekhta i Dnepropetrovskiy metallurgicheskiy institut.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

VERBITSKIY, V.M., inzh.; ZITSER, I.S., inzh.; PANYUSHKIN, P.P., inzh.; RIVKIN, I.D., kand.tekhn.nauk

Production of solid crystalline cast material from basic types of blast-furnace slag. Stroi.mat. 8 no.11:14-16 N '62. (MIRA 15:12)

(Slag) (Building materials)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

KAZANTSEV, V.V., LADOKHIN, S.V.; LITVIN, V.A.; PANYUSHKIN, P.P.; ULYANOV, V.I.

Service of a refractory lining in rotary kilns for the preparation of silicate melts for stone casting. Ogneupory 30 no.1:24-28 '65. (MIRA 18:12)

1. Institut problem lit'ya AN UkrSSR.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9

ZITSER, I.S., kand.tekhn.nauk; LITVIN, V.A., inzh.; PANYUSHKIN, P.P., inzh.

Using wear-resistant slag casting. Gor.zhur. no.3:51-52 Mr '65. (MIRA 18:5)

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

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239120004-9"