Chromatographic separation of alkaloids of ergot F. Modrzejewski and H. Pankiewicz (Med. Acad. Lodz, Poland). *Acta Polon. Pharm.* 11, [illegible] (English summary). —Alkaloids of Polish ergot and its concd. and dry ext. were sepd. and identified from 2 samples: ergot grown on fertilized ground, and naturally grown ergot. The defatted ergot (powdered, stored for 1 year prior to study) was extd. for 3 hrs. with Et_2O and the ext. treated with freshly pptd. MgO. Part of the ext. was used for chromatography, the rest for detn. of total alkaloids. The Et_2O ext. corresponding to [illegible] g. of defatted ergot was added dropwise from a dropping funnel on powd. Watson cellulose in an evapg. dish. The procedure [illegible] (cf. *C.A.* 48, 1628c) was followed. [illegible] fertilized ground were found [illegible] ergotinine.
The total amt. of alkaloids was 26.5% less than that found by the Allport method. Naturally grown ergot contained: ergotinine, ergotoxine, ergozine, ergotonine, ergometrinine, and traces of ergometrine. The fraction insol. in H_2O contained ergotyn 14, ergozine 28, ergotoxine 45.5, ergotamine 12.5%. The total amt. of alkaloids was 40% less than that found by the Allport method. Evidently 40% of alkaloids was decompd. on storage to form the compd. which still gives the pos. reaction with the Allport reagent. The content of this compd. in fresh ergot is about 20%. The concd. ext. was studied as follows: 2 g. of substance was dild. with 10 ml. H_2O and passed under vacuum through a column filled with alumina, followed by 70 ml. Et_2O. The mixt. was shaken for 5 min., the Et_2O soln. sepd., evapd. on cellulose, and studied as above. The dry ext. (20 g.) was dissolved in 8 ml. 1:1 95% EtOH and H_2O, shaken 10 min., heated at 45° 5 min., cooled, filtered, and 5.5 ml. (= 1.37 g. of dry ext.) was passed through the alumina column to be studied as above. In both concd. and dry ext. the content of ergotoxine was lower than in the [illegible] material; ergonine was higher. A. Shadan

Pankiewicz, Henryk

POL.

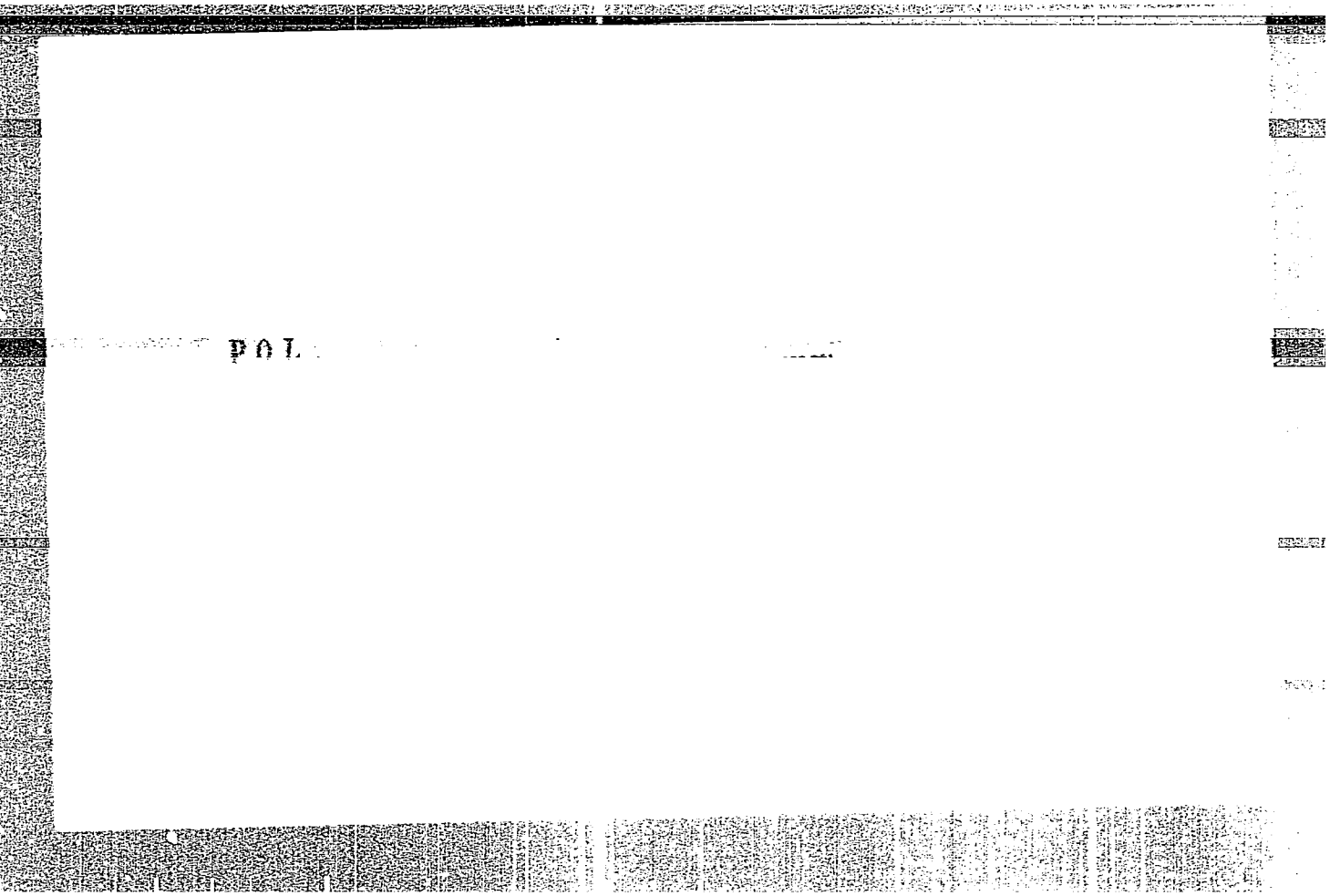
The colorimetric determination of alkaloids of ergot.

by comparing the color obtained in the [illegible]

PANKIEWICZ, Henryk

Colorimetric determination of ergot alkaloids. Acta Poloniae pharm. 11 no.3:195-198 1954.

1. Z Zakladu Farmacji Stosowanej Akademii Medycznej w Lodzi. Kierownik: prof. F.Modrzejewski.
(ERGOT ALKALOIDS, determination, colorimetry)
(COLORIMETRY, of ergot alkaloids)



P. T. A.

Energy

494 621.43.068.9 : 629.123

Kozlowski A., Pankiewicz T. Waste Heat Utilization of Internal Combustion Engines on Ships.

„Wykorzystanie ciepła spalin olejowych silników spalinowych na statkach". Technika Morza i Wybrzeża, No 12, 1950, pp 357 – 363, 7 figs

Description of the general heat loss in combustion products and of the posibility of partial utilization of this heat. After quoting details pertaining to temperature and volume of combustion products, a cycle for thermal calculation is quoted. The article concludes with examples of heat utilization, with calculations and a description of the design of special boilers for waste heat fuel

CHINAREV, A.; NIKIFOROV, V.; MARIYENBAKH, L., prof., doktor tekhn.nauk; PANKIN, A., prof., doktor tekhn.nauk

Moscow engineers need a club. NTO no.7:55 Jy '59. (MIRA 12:11)

1. Predsedatel' Moskovskogo oblastnogo soveta nauchno-tekhnicheskikh obshchestv (for Chinarev). 2. Predsedatel' tekhniko-ekonomicheskogo soveta Moskovskogo (gorodskogo) soveta narodnogo khozyaystva; predsedatel' oblastnogo pravleniya nauchno-tekhnicheskogo obshchestva mashinostroitel' noy promyshlennosti (for Nikiforov). 3. Mashinostroitel'nyy institut; chlen Nauchno-tekhnicheskogo obshchestva mashinostoritel'noy promyshlennosti (for Mariyenbakh). 4. Avtomekhanicheskiy institut, chlen Nauchno-tekhnicheskogo obshchestva mashinostroitel'noy promyshlennosti (for Pankin).

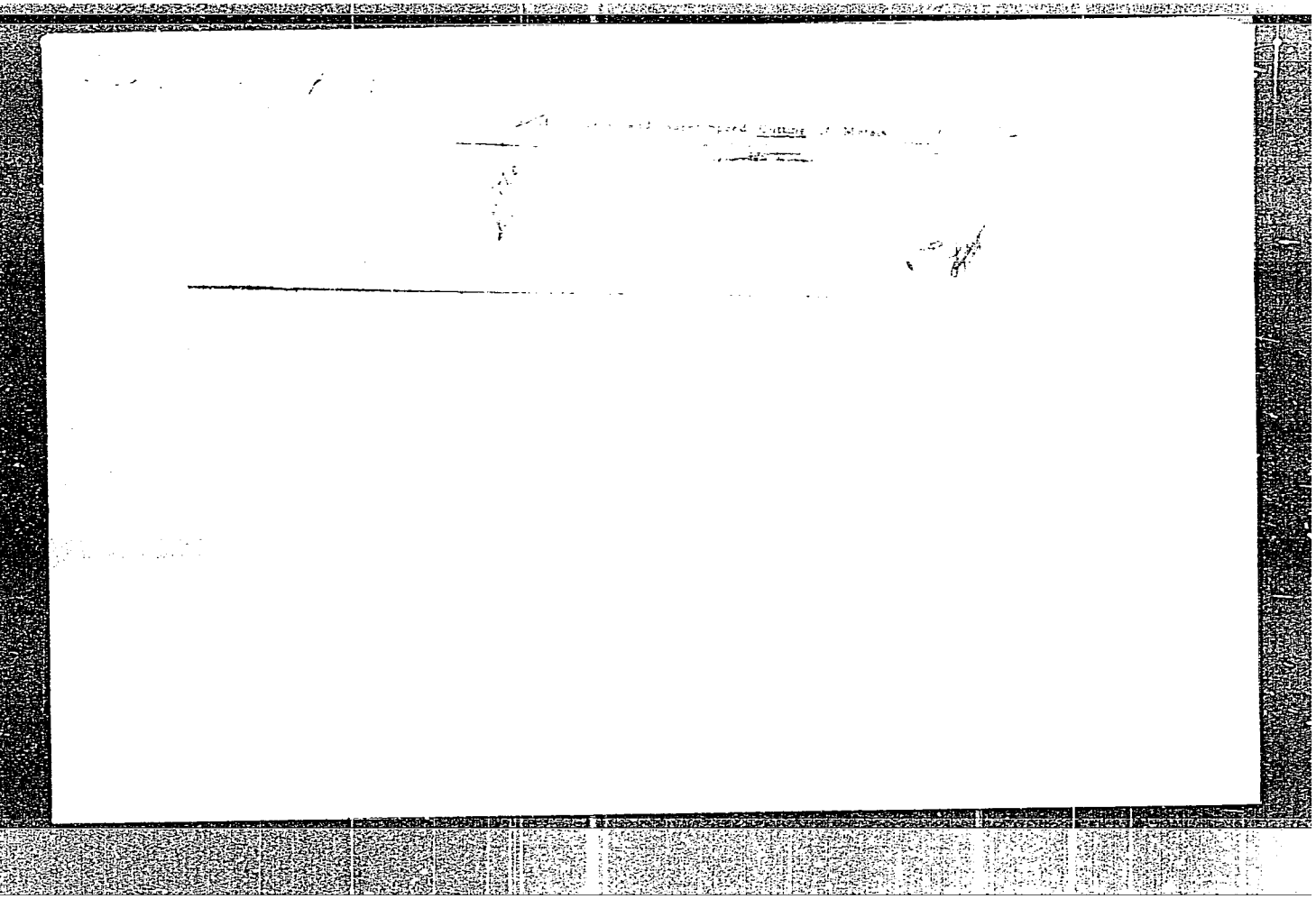
(Moscow--Research, Industrial)

VOROB'YEV, B.S.; LAPKIN, I.Yu.; PAN'KIV, A.M.; STERLIN, B.P.; TKHORZHEVSKIY, S.A.

Geology of the southern slope of the Voronezh massif in the Charkov region. Sov. geol. 6 no.4:129-133 Ap '63. (MIRA 16:4)

1. Trest "Khar'kovneftegazrazvedka" i Ukrainskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta gaza i iskusstvennogo zhidkogo topliva.

(Gharkov region—Geology)



MAKAREVICH, B.K.; MIKHEYEV, V.M.; TIKHVINSKIY, V.I.; PANKIN, A.V., doktor tekhn. nauk, retsenzent; FEDOROV, V.N., dots., retsenzent; MAKOVSKIY, G.M., red.; ABUMOVA, Ye.S., tekhn. red.

[Reconditioning metal-cutting tools] Vosstanovlenie rezhushchego instrumenta. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1948. 174 p. (MIRA 15:4)
(Metal-cutting tools--Maintenance and repair)

PANKIN, Aleksandr Vasil'evich, 1876-

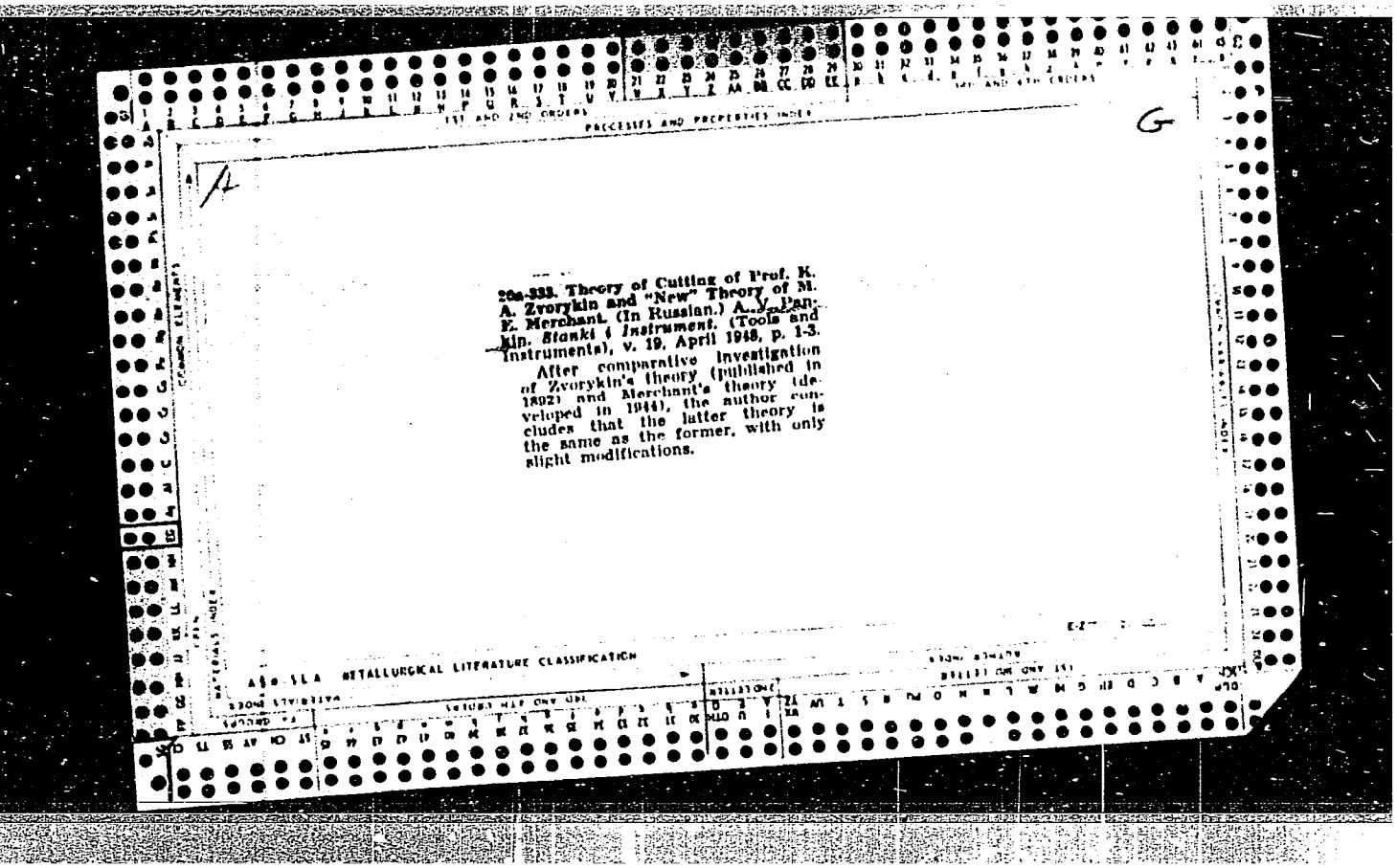
Basic problems concerning the best methods of metal-cutting Moskva, Gos. nauch.-tekhn. izd-vo mashinostroit. lit-ry, 1948. 258 p. (48-25157)

TJ1230.P35

PANKIN, A. V.

36707. Teoriya Rezniza Proffessora Zvorykina L ((Novaya)) Teoriya Merchenta. M. E. Sbornik Trudov Tbilis. In-Ta Inzhenerov Zh-D Transporta Im Lenina XVII - XVIII, 1948 s 83-89.

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



20a-333. Theory of Cutting of Prof. K. A. Zvorykin and "New" Theory of M. E. Merchant. (In Russian.) A. Yu. Pankin. *Stanki i Instrument.* (Tools and Instruments), v. 19, April 1948, p. 1-3.

After comparative investigation of Zvorykin's theory (published in 1902) and Merchant's theory (developed in 1944), the author concludes that the latter theory is the same as the former, with only slight modifications.

PANKIN, A.V.

RYZHKOV, D., redaktor; PANKIN, A.V., professor, redaktor; ZELIKSON, M.Z., inzhener, redaktor; POPOVA, S.M., tekhnicheskiy redaktor; TIKHONOV, A.Ya., tekhnicheskiy redaktor

[Economizing materials in machinery repair and toolmaking shops] Ekonomiia materialov v mekhanicheskikh, remontno-mekhanicheskikh i instrumental'nykh tsekhakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1953. 234 p. [Microfilm] (MLRA 7:10)
(Machine-shop practice)

PANKIN, A.V., doktor tekhnicheskikh nauk, redaktor; POPOVA, S.M., tekhnicheskiy redaktor.

[Cooling and lubricating fluids; their beneficial influence on the cutting of metals; collection] Okhlazhdaiushche-smazyvaiushchie zhidkosti; vliianie na obrabatyvaemost' metallov rezaniem; sbornik. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1954. 185 p. (MLRA 7:8)
(Metalworking lubricants)

PANKIN, A.V.

ARTAMONOV, A.Ya., kandidat tekhnicheskikh nauk; PANKIN, A.V., professor, retsenzent; BEYSEL'MAN, R.D., inzhener, redaktor; [illegible]DIN, A.F., inzhener, redaktor; UVAROVA, A.F., tekhnicheskiy redaktor.

[Research on the workability of high-strength crude iron] Issledovanie obrabatyvaemosti vysokoprochnogo chuguna. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroitel'noi lit-ry, 1955. 133 p. (MLRA 8:10)
(Iron--Metallurgy)
(Metal cutting)

LEVACHEV, Vasiliy Andreyevich; MILLER, Edmund Ernestovich; PANKIN, A.V., professor, doktor tekhnicheskikh nauk, redaktor; MELIDOVA, E.S., redaktor; KRASNAYA, A.K., tekhnicheskiy redaktor

[Manual on production norms for shipbuilding and ship repair work in the navy] Spravochnik po tekhnicheskomu normirovaniiu sudostroitel'nykh i sudoremontnykh rabot na morskom flote. Pod red. A.V.Pankina. Moskva, Izd-vo "Morskoi transport," 1955. 450 p. [Microfilm] (MLRA 8:2)
(Shipbuilding)

S/123/61/000/001/008/015
A005/A001

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1961, No. 1, p. 21, # 1B185

AUTHOR: Pankin, A. V.

TITLE: A Rapid Method for Determining the Optimum Cutting Conditions by Using the Interconnection Between Wear-, Temperature-, and Economy Criteria

PERIODICAL: V sb.: "Teplovyye yavleniya pri obrabotke metallov rezaniyem". Moscow, 1959, pp. 178-194, 11

TEXT: The sequence is described of the sequence of operations for determining the optimum conditions of cutting by the following methods: the speed - endurance tests, rapid wear - speed tests, face grinding, and rapid temperature investigations. It turned out that the speed - endurance method is expensive and time consuming, and the correlations obtained by this method cannot be taken as the basis of a physical theory of cutting. The method of the rapid wear - speed tests reduces the number of the experimental points and is an attempt to elucidate the physical-mechanical essence of the cutting process based on the physical

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PHASE I BOOK EXPLOITATION SOV/4262

Akademiya nauk SSSR. Komissiya po tekhnologii mashinostroyeniya

Obrabotka zharoprochnykh splavov (Treatment of Heat-Resistant Alloys) Moscow, Izd-vo AN SSSR, 1960. 231 p. 3,500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Nauchnyy sovet po problemam zharoprochnykh splavov.

Resp. Ed.: V.I. Dikushin, Academician; Ed. of Publishing House: V.A. Kotov; Tech. Ed.: V.V. Brizgal'.

PURPOSE: This collection of papers is intended to summarize current information on the treatment of heat-resistant alloys with a view toward coordination further research.

COVERAGE: The book is a collection of papers presented at the Conference on Heat-Resistant Alloys, held 18-21 December 1957 by the Commission on Machine-Construction Technology of the Institut mashinovedeniya AN SSSR (Institute of Machine Science, Academy of Sciences USSR). The thirty papers in the collection deal with the casting, pressure working, welding, and cutting of heat-resistant alloys. No personalities are mentioned. References accompany several of the articles.

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PANKIN, A.V.

PHNK IN, H.U.

PHASE I BOOK EXPLOITATION SOV/5291

Soveshchaniye po kompleksnoy mekhanizatsii i avtomatizatsii tekhnologicheskikh protsessov v mashinostroyenii. 2d, Moscow, 1956

Avtomatizatsiya mashinostroitel'nykh protsessov. t. III: Obrabotka rezaniyem i obshchiye voprosy avtomatizatsii (Automation of Machine-Building Processes. v. 3: Metal Cutting and General Automation Problems) Moscow, Izd-vo AN SSSR, 1960. 296 p. (Series: Its: Trudy, t. 3) 4,700 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya. Komissiya po tekhnologii mashinostroyeniya.

Resp. Ed.: V. I. Dikushin, Academician; Ed. of Publishing House: V. A. Kotov; Tech. Ed.: I. F. Kuz'min.

PURPOSE: This collection of articles is intended for technical personnel concerned with the automation of the machine industry.

COVERAGE: This is Volume III of the transactions of the Second Conference on the Full Mechanization and Automation of Manufacturing Processes in the Machine Industry, held September 25-29,

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1956. The transactions have been published in three volumes. Volume I deals with the hot pressworking of metals, and volume II, with the actuation and control of machines. The present volume deals with the automation of metal machining and work-hardening, and with general problems encountered in automation. The transactions on the automation of metal-machining processes were published under the supervision of F. S. Dem'-yanok and A. M. Karatygin, and those on the automation of work hardening processes, under the supervision of E. A. Satel' and M. O. Yakobson. No personalities are mentioned. There are no references.

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AUTHORS: Pankin, A. V., Fitsner, L. N.

TITLE: Device for determining the optimum cutting conditions on lathes

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 20, 1961, 44-45, abstract 20B240 (V sb. "Avtomatiz. mashinostroit. protsessov", v. 3, Moscow, AN SSSR, 1960, 20-31)

TEXT: The authors describe the design of a device making it possible to determine the operation conditions of lathes in such a way as to ensure their maximum efficiency. They present an analytical method of solving the problem of determining the optimum cutting conditions. The method is based on the solution of six main equations connected with the kinematics and kinetostatics of the lathe, kinetostatics of cutting, power input and conditions of maximum efficiency of the system lathe - tool. The device operation is based on the solution of these equations to find the number of revolutions and feed. The authors present a basic diagram of the device, give the setting order and the method of using the device. It is pointed out that the error in device readings

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Device for determining the optimum ...

does not exceed 2 - 4% in comparison with the analytical calculation method. There are 6 figures and 1 table.

L. Bozin

[Abstracter's note: Complete translation]

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PANKIN, A. V., prof.

Mechanization and automation of the machining of parts in the manufacture of machinery. MTO 2 no.6:32-35 Je '60. (MIRA 14:2)
(Machinery industry—Technological innovations)
(Automation)

PHASE I BOOK EXPLOITATION SOV/5761

Pankin, Aleksandr Vasil'yevich, Professor, Doctor of Technical Sciences

Obrabotka metallov rezaniyem (Metal Machining) Moscow, Mashgiz, 1961. 520 p. Errata slip inserted. 40,000 copies printed.

Reviewer: P. A. Kunin, Engineer; Tech. Ed.: A. Ya. Tikhanov; Managing Ed. for Literature on the Cold Working of Metals and Machine-Tool Making: V. V. Rzhavinskiy, Engineer.

PURPOSE: This textbook is intended for students in mechanical-engineering schools of higher education.

COVERAGE: Basic considerations, concepts, and definitions in the theory of metal cutting are presented. Attention is given to the following: deformation phenomena in the layer of metal being removed; friction generation and the removal of heat in metal machining; machining smoothness and accuracy; cutting alloys; cutting-tool geometry and wear; the mechanics of the

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cutting process; fundamental factors in the cutting process as they apply to the characteristic features of turning; reciprocal-tool machining; drilling, milling, grinding, and other types of metal-cutting processes; basic trends in the development of speed machining of blanks on metal-cutting machine tools; and methods of determining rates of the highest productivity for various types of machining processes in lot and mass production. No personalities are mentioned. There are 162 references: 158 Soviet, 2 English, and 2 German.

TABLE OF CONTENTS [Abridged]:

PANKIN, A.V., doktor tekhn. nauk, prof.[deceased]; BURDOV, D.N., inzh.; ORLOV, I.V., inzh., retsenzent

[Manufacture and use of the new cooling and lubricating fluids] Izgotovlenie i primenenie novykh okhlazhdaiushche-smazyvaiushchikh zhidkostei. Moskva, Izd-vo "Mashino-stroenie," 1964. 175 p. (MIRA 17:6)

PANKIN, A.V., doktor tekhn. nauk, zasluzhennyy deyatel'nauki i tekhniki [deceased]; ARTEM'YEV, B.P.

Lapping tooth surfaces of hypoid gears. Avt. prom. 30 no.5:41-42 My '64. (MIRA 17:9)

1. Moskovskiy avtomekhanicheskiy institut.

GOROKHOV, Petr Kuz'mich; PANKIN, A.V., red.

[Russian-German radio engineering dictionary] Russko-nemetskii radiotekhnicheskii slovar'. Izd.2., ispr. Moskva, Sovetskaia entsiklopediia, 1965. 405 p. (MIRA 18:6)

BOGOMOLOV, B.A., red.; BARANOV, A.M., red.; MURONETS, I.I., red.; GUSEV, N.P., red.; PANKIN, A.V., red.; VACHAYEVA, Z.P., red.-leksikograf; VILENSKAYA, O.V., red.l-leksigogr.; ARTEMOV, L.V., red.-leksikogr.; YEREMINA, N.N., mlad. red.; VANSOVSKAYA, L.Ye., mlad. red.; CHEKRYZHOV, P.F., spets.red.; PLAKSHE, L.Yu., tekhn. red.

[German-Russian polytechnical dictionary] Nemetsko-russkii politekhnicheskii slovar'. Podgotovleno pri redaktsionnom uchastii izdatel'stva "Tekhnika" GDR. Moskva, Glavnaia red. inostrannykh nauchno-tekhn. slovarei Fizmatgiza, 1963. 812 p. (MIRA 17:1)

ABELEV, Yu.M.; DONDYSH, A.M.; IVANOV, Yu.K.; KRUTOV, V.I.; LISOVSKIY, V.P.; PANKIN, G.N.

Experience in correcting the tilt of a large-panel 1-480-P series apartment house after the sagging of the foundation. Osn., fund. i mekh. grun. 7 no.3:23-25 '65.
(MIRA 18:6)

PANKIN, IVAN ALEKSANDROVICH

PHASE I BOOK EXPLOITATION 395

Zazhirey, Dmitriy Ivanovich; Pankin, Ivan Aleksandrovich; and Semenov, Sergey Stepanovich

Geodeziya (Geodesy) Moscow, Avtotransizdat, 1957. 146 p. 8,000 copies printed.

Ed.: Mordvinov, V.S.; Kogan, F.L.

PURPOSE: This is a textbook approved by the RSFSR Ministry of Highways and Motor Transport, devoted to problems of road building. The book is intended for use in schools training highway engineering personnel.

COVERAGE: The book is a practical study of geodetic problems related to road building, such as the orientation of lines, the measurement of horizontal angles, spotting of lines on the ground, leveling and lay-out work. The book cites numerous practical examples to illustrate certain theoretical principles. The following instruments

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are discussed: clinometer (gradient recorder), Adrianov compass, Stefan compass, transit, goniometer, three leveling devices, plane table. There are 102 figures, 9 tables (in the appendix) and 14 Soviet references.

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Geodesy

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Geodesy

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ZAZHIREY, Dmitriy Ivanovich; PANKIN, Ivan Aleksandrovich; SEMENOV, Sergey Stepanovich; MORDVINOV, V.S., redaktor; KOGAN, F.I., tekhnicheskiy redaktor

[Geodesy] Geodeziia. Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry, 1957. 146 p. (MIRA 10:10)
(Roads--Surveying)

PANKIN, Ivan Aleksandrovich; SEDUN, Andrey Vladimirovich; FEDOROV, V.I., dotsent, kand.tekhn.nauk, retsenzent; MIRONOV, Ye.I., inzh., red.; SHURYGINA, A.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Practical work in geodesy] Prakticheskie raboty po geodezii. Moskva, Izd-vo geodez.lit-ry, 1960. 232 p. (MIRA 13:5)
(Surveying)

ARKHIPOV, Vsevolod Yakovlevich; PANKIN, M., red.; CHIZHOV, K., red.; NADEZHDINA, A., red.; LEBEDEV, A., tekhn.red.

[Foreign capital in the economy of southeastern Asian countries] Inostrannyi kapital v ekonomike stran IUgo-Vostochnoi Azii. Moskva, Gosfinizdat, 1960. 150 p. (MIRA 14:3)
(Asia, Southeastern--Investments, Foreign)

PANKIN, M., yuriskonsul't

Define more exactly the procedure for the examination of labor disputes. Sov.profsoiuzy 7 no.21:36-37 N '59. (MIRA 12:12)

(Employees, Dismissal of)

PANKIN, M.; VLASKO, Yu.

Requirements of metal-transporting vehicles. Avt.transp. 39 no.10:13-15 O '61. (MIRA 14:10)

1. Glavmosavtotrans i Nauchno-issledovatel'skiy institut avtomobil'nogo transporta.
(Truck trailers)

PANKIN, M., yurist

The worker acquires a vocation. Sov.profsoiuzy 18 no.10:48 My '62. (MIRA 15:5)
(Employees, Training of) (Wages)

PANKIN, M.

Significance of economic ties with the U.S.S.R. for the development of countries in Southeastern Asia. Vnesh.torg. 30 no.6:14-20 '60. (MIRA 13:6)
(Russia—Foreign economic relations—Asia, Southern)

PANKIN, M.

Summarizing the results of the second session of the Committee on Trade at the United Nations Economic Commission for Asia and the Far East [with English summary in supplement]. Vnesh. torg. 29 no.5: 14-18 '59. (MIRA 12:6)
(Asia--Economic policy) (Africa--Economic policy)

PANKIN, M.

Position of the countries of Southeastern Asia on the world capitalist market. Vnesh.torg. 41 no.4:11-17 '61.
(MIRA 14:3)

(Asia, Southeastern--Foreign economic relations)

KAPELINSKIY, Yu.N.; POLYANIN, D.V.; ZOTOV, G.M.; IVANOV, I.D.; SERGEYEV, Yu.A.; MENZHINSKIY, Ye.A.; KOSTYUKHIN, D.I.; DUDUKIN, A.N.; IVANOV, A.S.; FINOGENOV, V.P.; ZAKHMATOV, M.I.; SOLOLKIN, R.G.; DUSHEN'KIN, V.N.; BOGDANOV, O.S.; SEROVA, L.V.; GONCHAROV, A.N.; LYUBSKIY, M.S.; PUCHIK, Ye.P. [deceased]; KAMENSKIY, N.N.; SABEL'NIKOV, L.V.; GERCHIKOVA, I.N.; FEDOROV, B.A.; KARAVAYEV, A.P.; KARPOV, L.N.; VARTUMYAN, E.L.; SHIPOV, Yu.P.; ROGOV, V.V.; BOGDANOV, I.I.; VLADIMIRSKIY, L.A.; LEBEDEV, B.I.; ANAN'YEV, P.G.; TRINICH, F.A.; GOLOVIN, Yu.M.; MATYUKHIN, I.S.; SEYFUL'MULYUKOV, A.M.; SHIL'DKRUT, V.A.; ALEKSEYEV, A.F.; BORISENKO, A.P.; CHURAKOV, V.P.; SHASTITKO, V.M.; GERUS, V.G.; ORLOV, N.V., red.; KAPELINSKIY, Yu.N., red.; GORYUNOV, V.P., red. V redaktirovanii prinimali uchastiye: BELOSHAPKIN, D.K., red.; GEORGIYEV, Ye.S., red.; KOSAREV, Ye.A., red.; PANKIN, M.S., red.; PICHUGIN, B.M., red.; SHKARENKOV, Yu.S., red.; MAKAROV, V., red.; BORISOVA, K., red.; CHEPELEVA, O., tekhn.red.

[The economy of capitalistic countries in 1958] Ekonomika kapitalisticheskikh stran v 1958 godu. Pod red. N.V.Orlova, IU.N.Kapelinskogo, V.P.Goriunova. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1959. 609 p. (MIRA 12:12)

1. Moscow. Nauchno-issledovatel'skiy kon"yunkturnyy institut. (Economic conditions)

KAPKLINSKIY, Yu.N., kand.ekonom.nauk; KISVYANTSEV, L.A.; PANKIN, M.S.; PEKSHEV, Yu.A., kand.ekonom.nauk; SEMIN, V.P.; SYCHEV, V.G.; FIGURNOV, P.K., prof., red.; SLADKOVSKIY, M.I., doktor ekonom. nauk, red.; LEVITAN, I.M., red.izd-va; PAVLOVSKIY, A.A., tekhn.red.

[Growth of the economy and the foreign commerce of the Chinese People's Republic] Razvitie ekonomiki i vneshneekonomicheskikh sviazei Kitaiskoi Narodnoi Respubliki. Moskva, Vneshtorgizdat, 1959. 559 p. (MIRA 12:6)
(China--Economic conditions) (China--Commerce)

ARKHIPOV, Vsevolod Yakovlevich; PANKIN, M.S., otv. red.; GARMSEN, O.M., red.; EKRESLAVSKAYA, L.Sh., tekhn. red.

[Indonesia in the struggle for economic independence]Indoneziia v bor'be za ekonomicheskuiu samostoiatel'nost'. Moskva, Izd-vo vostochnoi lit-ry, 1963. 77 p. (MIRA 16:3)
(Indonesia—Economic policy)

PANKIN, M.S.

KAPELINSKIY, Yu.N.; POLYANIN, D.V.; MENZHINSKIY, Ye.A.; IVANOV, I.D.; SERGEYEV, Yu.A.; KOSTYUKHIN, D.I.; DUDUKIN, A.N.; IVANOV, A.S.; FINOGENOV, V.P.; ZAKHMATOV, M.I.; SOLODKIN, R.G.; DUSHEN'KIN, V.N.; BOGDANOV, O.S.; SEROVA, L.V.; GONCHAROV, A.N.; KARKHIN, G.I.; LYUBSKIY, M.S.; PUCHIK, Ye.P.; SEROVA, L.V.; KAMENSKIY, N.N.; SABEL'NIKOV, L.V.; FEDOROV, B.A.; GERCHIKOVA, I.N.; KARAVAYEV, A.F.; KARPOV, L.N.; SHIPOV, Yu.P.; VLADIMIRSKIY, L.A.; KUTSENKOV, A.A.; RYABININA, E.D.; ANAN'YEV, P.G.; ROGOV, V.V.; BELOSHAPKIN, D.K.; SEYFUL'MULYUKOV, A.M.; PARFENOV, A.Ya.; SMIRNOV, V.P.; ALEKSEYEV, A.F.; SHIL'DKRUT, V.A.; CHURAKOV, V.P.; BORISENKO, A.P.; ISUPOV, V.T.; OHLOVA, N.V., red.; GORYUNOVA, V.P., red.; BELOSHAPKIN, D.K., red.; GEORGIYEV, Ye.S., red.; KOSAREV, Ye.A., red.; KOSTYUKHIN, D.I., red.; MAYOROV, B.V., red.; PANKIN, M.S., red.; PICHUGIN, B.M., red.; POLYANIN, D.V., red.; SOLODKIN, R.G., red.; UFIMOV, I.S., red.; EKHIN, P., red.; SMIRNOV, G., tekhn.red.

[Economy of capitalist countries in 1957] Ekonomika kapitalisticheskikh stran v 1957 godu. Pod red. N.V.Orlova, IU.N.Kapelinskogo i V.P.Goriunova. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1958. 686 p. (MIRA 12:2)

1. Moscow. Nauchno-issledovatel'skiy kon"yunkturnyy institut. (Economic conditions)

ZIL'BERMAN, S., inzh.; BLUDNOV, V.; PAN'KIN, N., inzh.; BEN'YAMINOV, S., inzh.; ZLOTNIK, M., inzh.; ISAICHKIN, A.

Exchange of experience. Avt. transp. 42 no.9:51-54 S '64. (MIRA 17:11)

Pan'Kin, N

NEKHAYEVSKIY, N.; PAN'KIN, N.

What kind of garage equipment is needed by automotive transport units? Avt.transp. 35 no.11:13-14 N '57. (MIRA 10:12)
(Service stations)

PAN'KIN, N., inzh.

Repairing front axles. Avt.transp. 39 no.10:49-50 O '61.
(MIRA 14:10)

(Motor vehicles—Axles)

PAN'KIN, N.A., dotsent, kand. tekhn. nauk

Integration of the equation of the unsteady motion of a train. Trudy MIIT no.195:77-83 '64.

Approximative integration of the nonlinear equation of the train motion. Ibid.:84-86 (MIRA 18:9)

PAN'KIN, N.A., kand.tekhn.nauk

Approximation method for integrating wave equations. Trudy MIIT no.102:118-123 '59. (MIRA 12:10)
(Differential equations, Partial)

PAN'KIN, N.A., kand.tekhn.nauk

Train movement during steady braking. Trudy MIIT no.102:58-65 '59. (MIRA 12:10)

(Railroads--Brakes)

SHAMSUTDINOV, R.; PAN'KIN, N., inzh.; DUBYAGO, P.; BELETSKIY, M., inzh.; EYNIS, S.; YELIZAR'YEV, B.

Exchange of experience. Avt. transp. 42 no.10:53-54 O '64. (MIRA 17:11)

PAN'KIN, N.A.

Integration of a linear differential equation of the second order with variable coefficients. Izv. vys. ucheb. zav.: mat. no.4:122-125 '59. (MIRA 12:11)

1. Vsesoyuznyy zaochnyy institut inzhenerov zheleznodorozhnogo transporta.
(Differential equations, Linear)

16(1)
AUTHOR: Pan'kin, N.A.

SOV/140-59-4-16/26

TITLE: On the Integration of a Linear Differential Equation of Second Order With Variable Coefficients

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1959, Nr 4, pp 122 - 125 (USSR)

ABSTRACT: For the integration of the equation

$$\ddot{x} + f(t)\dot{x} + \omega^2 x = 0 ,$$

where $f(t)$ is a continuous function, the author proposes an approximation method by which the solution is obtained with the set up $x = A \exp(-\delta t)\sin(\omega_1 t + \varphi)$ and by determining A and φ as functions of t.
There are 2 non-Soviet references, 1 of which is English, and 1 German.

ASSOCIATION: Vsesoyuznyy zaochnyy institut inzhenerov zheleznodorozhnogo transporta (All-Union Correspondence Institute for Engineers of Railroad Transport)

SUBMITTED: May 26, 1958

Card 1/1

GOLUBOV, M.M.; LEGLYDA, N.F.; ZAKHAROV, A.Ye.; FADEYEV, A.Yu.; PAN'KIN, N.I.; SAPRYGIN, Kh.M.; NOSOV, V.S.; VOL'TER, Ye.V.; SHUL'GA, Ye.A.; MIROSHNICHENKO, S.I.

Effect of the rate of plate cooling on the quality of the metal after rolling. Met. i gornorud. prom. no.1:33-36 Ja-F '65. (MIRA 18:3)

ALEKSEYEV, B.I., kand.tekhn.nauk; PAN'KIN, N.I., inzh.; FADEYEV, A.Yu., inzh.

Noncontact transducer. Mekh. i avtom. proizv. 18 no.12:34 D '64.
(MIRA 18:3)

PANKIN, O.M.; KRASNYKH, G.B., inzh.

They write to us. Transp. stroi. 13 no.2:63 F '63. (MIRA 16:3)

1. Glavnyy inzhener stroitel'no-montazhnogo poyezda No.294 tresta Gortransstroy (for Pankin).
(Railroad engineering)

1. PANKIN, P.

2. USSR (600)

4. Moving-Picture Projectors

7. Elimination of interference in broad-film portable moving picture projectors, Kinomekhanik, No. 10, 1952.

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

PANKIN, P.I., inzh.

Equipment to determine the strength of raw material mixtures under compression. Lit. proizv. no.12:36-37 D '65.
(MIRA 18:12)

PANKIN, P.I.

Industrial s mpling for the rapid determination of the degree of gas saturation of liquid nonferrous alloys. Lit. proizv. no.10: 45-46 O '63. (MIRA 16:12)

PANKIN, P.I.

Rapid-drying mold wash. Lit. proizv. no.10:38-39 O '63.
(MIRA 16:12)

YEREMENKO, N.A.; PANKINA, R.G.

Isotopic composition of the petroleum sulfurs of the Pashiya horizon. Neftegaz. geol. i geofiz. no. 5:50-52 '63.
(MIRA 17:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut.

PANKIN, R.G.

N.A. YEREMENKO, R.G. PANKIN (USSR)

"Alteration of isotopic composition of sulphur in oils and gases depending on the age of containing sediments."

Report presented at the Conference on Chemistry of the Earth's Crust, Mosocw, 14-19 Mar 63.

PANKIN, V.

Is it worth it to make noise across the country? Izobr.i rats. (MIRA 16:3)
no.1:22 '63.
(Moscow--Technological innovations)

YENIKEYEV, Kh.M.; KOZLOV, D.N.; KRUZHILIN, M.P.; MEZHUYEV, B.N.; NALCHAN, A.G.; NIKULIN, A.I.; PANKIN, V.A.; SHAVIN, G.F.; LESNICHENKO, I.I., red. izd-va; SMIRNOVA, G.V., tekhn. red.

[Metal-cutting machines; kinematic adjustment of metal-cutting machines] Metallorezhushchie stanki; kinematicheskaia nastroika metallorezhushchikh stankov. Pod red. A.G.Nalchana. Moskva, Mashgiz, 1962. 179 p. (MIRA 16:2)

1. Moscow. Vsesoyuznyy zaochnyy mashinostroitel'nyy institut. Kafedra "Metallorezhushchie stanki i instrumenty." 2. Prepodavateli kafedry "Metallorezhushchiye stanki i instrumenty" Vsesoyuznogo Zaochnogo Mashinostroitel'nogo instituta (for all except Lesnichenko, Smirnova).
(Metal cutting) (Machinery, Kinematics of)

S/136/63/000/003/002/004
E193/E383

AUTHORS: Kirpa, I.G., Kolesnikov, N.P., Pankin, V.A. and Shishkin, Yu.A.

TITLE: Investigation of the energy and force parameters in the rolling of aluminum-clad copper

PERIODICAL: Tsvetnyye metally, no. 3, 1963, 60 - 65

TEXT: The experimental specimens consisted of copper plates, 320 - 570 mm wide and 414 - 560 mm long, enclosed between two slightly larger aluminum plates, the whole assembly being held together by two rivets. Four types of the sandwich were used in the tests with an Al-Cu-Al thickness ratio of 2.56:9.7:2.56 mm, 1.4:9.7:1.4 mm, 2.56:5.75:2.56 mm and 1.4:5.75:1.4 mm. The cold-rolling experimnents were conducted on a four-high reversible stand 2840 with working and backing rolls of 620 and 1 370 mm in diameter, respectively. Formation of bond between the sandwich components was ensured by giving it a reduction of 65 - 75% in one pass. In a few cases the same reduction was attained in two passes. The following parameters were determined in each experiment: roll pressure; current in the main motor; voltage in the main motor;

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Investigation of ....

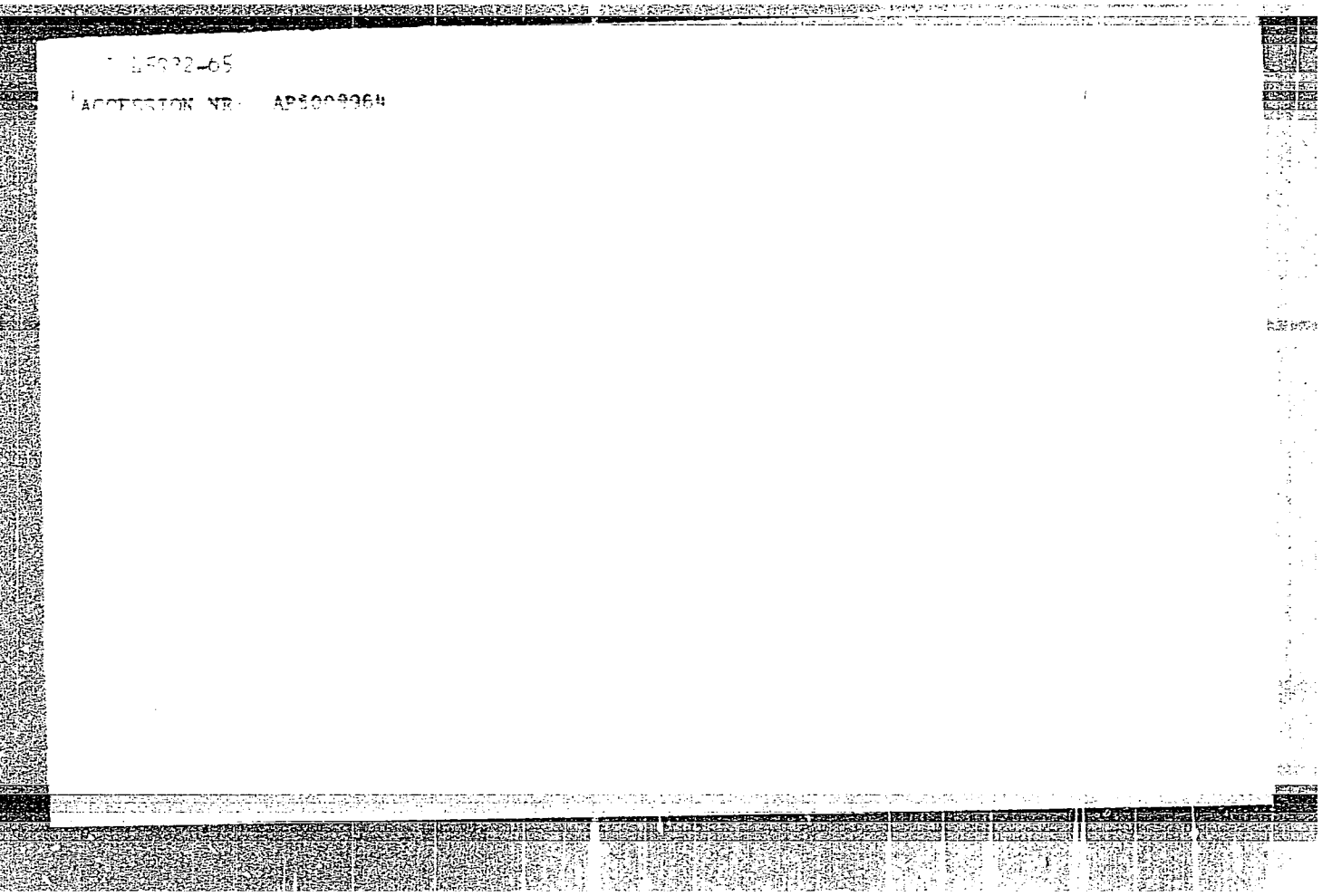
driving current; main motor speed; temperature of the metal after rolling. The strength of the bond between the Cu core and Al cladding was determined by bending tests; in addition, tensile tests were conducted on test pieces cut from each specimen. Conclusions: 1) the maximum roll force recorded was 1 140 tons, i.e. 33% of the force permissible for the stand 2840. 2) The roll force under conditions of steady rolling was 950 tons. 3) The average roll pressure varied between 25.4 and 48.1 kg/mm^2. 4) Comparison of the experimental data with values calculated from several known formulas showed that the formula due to Rokotyan gave results in closest agreement with the experiment. 5) The strength of bond and the mechanical properties of the final product were not significantly changed by effecting the required reduction in thickness in two instead of in one pass. This means that a wider range of the existing rolling equipment can be used for the fabrication of Al-clad Cu. There are 3 figures and 4 tables.

Card 2/2

L 15930-65 EWP(k)/EWP(z)/EWA(c)/EWT(d)/EWT(m)/EWP(t)/EWP(b)/EWA(d)/EMP(1)/EWP(t)/
EWP(t) Pf-4 MJW/JD/HR

ACCESSION NR: AR5008964 S/0137/65/000/001/D011/D012
621.771.001

SOURCE: Ref. zh. Metallurgiya, Abs. 1D66



PAN'KIN, V.A., inzh.

Concerning the two suggestions made by the engineer.
Shakht.stroi. 9 no.11:30 N '65. (MIRA 19:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii shakhtnogo stroitel'stva.

PAN'KIN, V.A., inzh.; SHPARBER, P.A., inzh.

Freezing of rock in depth during shaft sinking at the Zaporozh'ye Iron Ore Combine No. 1. Shakht. stroi. 9 no.9: 17-22 S '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii shakhtnogo stroitel'stva.

PAN'KIN, V.A., inzh.

Mine shaft sinking with freezing at great depths in the Polish People's Republic. Shakht. stroi. 9 no. 12:24-28 D '65. (MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii shakhtnogo stroitel'stva.

KIRPA, I.G.; KOLESNIKOV, N.P.; PANKIN, V.A.; SHISHKIN, Yu.A.

Investigating power parameters in the rolling of bimetal aluminum - copper - aluminum sheets. TSvet. met. 36 no.3:60-65 Mr '63. (MIRA 16:5)

(Laminated metals) (Rolling mills)

SHPARBER, P.A., inzh.; PAN'KIN, V.A., inzh.

Height of the entry and deformation of the frozen rock cylinder during shaft sinking. Trudy VNIIOMSHSa no.15:150-163 '64. (MIRA 18:2)

BYSTRITSKIY, D.N., kand.tekhn.nauk; PAN'KIN, V.V., inzh.

Classification and methods for designing systems for stopping the engines of diesel electric power plants. Nauch. trudy VIESKH 11:141-177 '62. (MIRA 16:3)
(Electricity in agriculture) (Diesel electric power plants)

ANDRIANOV, V.N.; BYSTRITSKIY, D.N.; KRAUSP, V.R.; PAN'KIN, V.V.; PECHKOVSKIY, G.A.; ZAK, I.G.; LEVIN, M.I.

Automation of small mobile electric power plants used as temporary and reserve power supply sources in agriculture. Sbor. nauch.-tekh. inform. po elek. sel'khoz. no.6:34-39 '59. (MIRA 13:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva (for Pechkovskiy). 2. Saratovskiy mekhanicheskiy zavod (for Zak). 3. TSentral'nyy dezinfektsionnyy nauchno-issledovatel'skiy institut (for Levin).
(Electric power plants) (Electricity in agriculture)

S/196/61/000/010/021/037
E194/E155

AUTHOR: Pan'kin, V.V.

TITLE: Simplified calculation of plunger-type a.c. electromagnets

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.10, 1961, 55, abstract 10I 353. (Vestn. elektroprom-sti, no.6, 1961, 63-66)

TEXT: Values are calculated for the coil current and tractive force developed by an electromagnet as functions of the armature travel and main design parameters (core dimensions, number of turns and ohmic resistance of coils). It is assumed that the magnetic system is not saturated, and no allowance is made for resistance of the steel or the influence of the shading coil. The equivalent circuit of the magnetic system allows only for the reluctance (or permeance) of the air gaps and for the magnetising force of the coil. To determine the reluctance of the air gaps, calculations are first made of the dimensions and then of the permeance of the corresponding sections. The air gaps for which the permeances are determined are sub-divided into a number of volumes of simple

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ANDRIANOV, V.N., doktor tekhn. nauk; BYSTRITSKIY, D.N., kand. tekhn. nauk; PAN'KIN, V.V., inzh.

Automatic control networks at mobile diesel electric power plants with contactless elements. Mekh. i elek. sots. sel'khoz. 21 no.3:38-43 '63. (MIRA 16:8)

1. Moskovskaya sel'skokhozyaystvennaya akademiya imeni Timiryazeva (for Andrianov). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva (for Bystritskiy, Pan'kin).

(Diesel electric power plants)
(Electricity in agriculture)

ANDRIANOV, V.N., doktor tekhn.nauk; BYSTRITSKIY, D.N., kand.tekhn. nauk; PAN'KIN, V.N., inzh.

Automation of mobile diesel electric power stations. Mekh.i elek.sots.sel'khoz. 17 no.5:33 '59. (MIRA 12:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva.
(Electric power plants)

EBIN, L.Ye., doktor tekhn. nauk, prof.; BYSTRITSKIY, D.N., kand. tekhn. nauk; LUKOVNIKOV, A.V.; PAN'KIN, V.V., inzh.; DUDINA, V.Ye.

[Auxiliary power plants and electrical systems for increasing the reliability of rural electric power distribution] Rezervnye elektrostantsii i elektroagregaty dlia povysheniia nadezhnosti sel'skogo elektrosnabzheniia. Moskva, Otdel tekhnicheskoi informatsii VIESKh, 1960. 70 p. (MIRA 15:4)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva.
(Rural electrification)

PAN'KIN, V.V., inzh.

Simplified calculation of plunger-type a.c. electromagnets. Vest. elektroprom. 32 no.6:63-66 Je '61. (MIRA 16:7)
(Electromagnets)

PANKIN, Ye.I., otv. za vypusk; POYKANE, E.Ya.[Poikane,E.], tekhn.red.

[The Latvian S.S.R. in figures for 1962; concise statistical abstract] Latviiskaia SSR v tsifrakh v 1962. godu; kratkii statisticheskii sbornik. Riga, Gosstatizdat, 1963. 211 p.
(MIRA 16:10)

(Latvia--Statistics)

PANKIN, Ye.I.[Pankins, E.], otv. za vypusk; PAYKANE, E.Ya.[Paikane, E.], tekhn. red.; KHAMIDOV, R., tekhn. red.

[Development of the national economy of the Latvian S.S.R.; statistics]Latvijas PSR tautas saimniecibas attistiba; statistisko datu krajums. Razvitie narodnogo khoziaistva Latviiskoi SSR; statisticheskii sbornik. Riga, Valsts statistikas izdevniecibas Latvijas nodala, 1962. 373 p. (MIRA 16:3)

1. Lativan S.S.R. Centrala statistikas parvalde.
(Latvia—Economic conditions)

PANKIN, Ye.I., otv. za vypusk; VIGDORCHIK, V.A., tekhn. red.

[The Latvian S.S.R. in 1961 in figures]Latviiskaia SSR v tsifrakh v 1961 godu; kratkii statisticheskii sbornik. Riga, Gosstatizdat, Latviiskoe otd-nie, 1962. 198 p.
(MIRA 15:11)

(Latvia—Statistics)

PANKIN, Ye.I., otv. za vypusk; VIGDORCHIK, V.A., tekhn.red.

[The Latvian S.S.R. in figures in 1960; statistical collection] Latviiskaia SSR v tsifrakh v 1960 godu; kratkii statisticheskii sbornik. Riga, Gosstatizdat, Latviiskoe otd-nie, 1961. 343 p. (MIRA 15:5)

1. Latvian S.S.R. Statistikas parvalde.
(Latvia—Statistics)

PAN'KINA, A.P.

LPS-4 instrument for determining the grade of raw cotton and cotton fibers. Tekst.prom. 20 no.1:59-61 Ja '60.
(MIRA 13:5)

(Cotton--Grading)

PANKINA, A.Ya., inzh.; SOBOLEVA, N.A., inzh.

Efficacity of the installation of a "Statik" device on a carding machine. Tekst.prom. 22 no.9:51-53 S '62. (MIRA 15:9)

1. Nachal'nik nauchno-issledovatel'skoy laboratorii Glukhovskogo khlopchatobumazhnogo kombinata imeni Lenina (for Pankina).
2. Nauchno-issledovatel'skaya laboratoriya Glukhovskogo khlopchatobumazhnogo kombinata imeni Lenina (for Soboleva).
(Carding machinery) (Electrostatics)

PANKINA, E. A.

USSR/Engineering - Tools

Card 1/1 Pub. 103 - 4/29

Authors : Pankina, E. A.

Title : A method of using two cutting tools for investigating cutting processes

Periodical : Stan. i instr. 10, 12-14, Oct 1954

Abstract : The editorial gives some information on using two cutting tools in determining cutting temperatures and the heat and electric conductivity of metals. Tables; drawing; graphs.

Institution : ...

Submitted : ...

LOYKO, I.O., dotsent; PAN'KINA, I.F., kand.med.nauk

Actinomycosis of the organs of the urinary system. Urol. i nefr. no.2:61-62 '65. (MIRA 19:1)

1. Urologicheskaya klinika (zav. - prof.G.S.Grebenshchikov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova, Leningrad.

PAN'KINA, I.F., kand.med.nauk; LAZAREV, K.N.; TSIBIN, Yu.N.

Eighth Leningrad City Scientific Conference of Young Surgeons, May 29 - 31, 1962. Vest.khir. 89 no.11:147-154 N '62. (MIRA 16:2)

(SURGERY--CONGRESSES)