BARTOS, Gyula, okleveles gepeszmernok; JANCSO, Tibor; JAROSI, Marton; CSERNAVOLGYI, Laszlo; GRAF, Laszlo, dr.; MOTICSKA, Felician; SEIBERT, Istvan; ZAVODSZKY, Ferenc; EHMAN, Jozsef; ELSZASZ, Rezso; SZABO, Gyula; BANASS, Jozsef; NOSZTRAI, Konrad; PETER, Istvan; BARDOSSY, Dezso; SARVARY, Elemer; VALY, Ferenc, dr.; DOBOS, Imre; KOVACS, Sandor; MAJOROS, Sandor

Designing questions of city gas distributing networks. Energia es atom 13 no.1:38-47 Ja '65.

1. Civil Engineering Designing Office, Budapest (for Bartos).
2. National Power Economy Authority, Budapest (for Majoros).

AVDEYEV, A.I., inzh.; IL'MENSKIY, D.A., inzh.; NOTARIUS, M.D., inzh.

Using asymmetrical bridge circuits in magnetoelectric ratiometers of resistance thermometers. Priborostroenie no.6:1-3 Je '61. (MIRA 14:6)

(Bridge circuits)
(Thermometers)

KONONENKO, G.I., inzh.; NOTARIUS, N.A., inzh.

Hoisting, conveying and storing machinery. Mekh.i avtom.proizv. 16 no.9:52-54 S '62. (MIRA 15:9)
(Materials handling—Equipment and supplies)

S/004/63/000/001/002/002
D205/D307

AUTHORS: Malevanchik, B. and Notarius, Ya., Engineers

TITLE: A jump over a dam

PERIODICAL: Znaniye-sila, no. 1, 1963, 33-36

TEXT: The authors give an account of an inclined lift for transporting ships on land, developed by a team of 'Gidroproyekt' and 'Gidrostal'proyekt', directed by Ye. I. Zalkindson, Chief engineer. The basic idea is to transport the ship in a tank filled with water. Various difficulties connected with the realization of this idea are discussed. There are 5 figures.

ACCESSION NR: AR4042176 S/0272/64/000/005/0135/0135

SOURCE: Ref. zh. Metrologiya i izmerit. tekhn. Otd. vy*p., Abs. 5.32.862

AUTHOR: Notarius, M. D.

TITLE: Some problems of design of electrical circuits with one semiconductor thermistor

CITED SOURCE: Tr. Kazansk. aviats. in-ta, vy*p. 75, 1963, 30-47

TOPIC TAGS: electrical circuit, semiconductor thermistor, circuit design

TRANSLATION: A general equation of thermal characteristics of electrical circuits with one semiconductor thermistor is presented. Graphs of functions determining a family of thermal characteristics of electrical circuits for all changes of resistances of the circuit and parameters of the semiconductor within any given interval of temperatures are given. A graphoanalytical method of design of electrical circuits with one semiconductor thermistor in

Card 1/2

NOTAROV, V. D.

PA 51T67

USSR/Mines
Flooding - Mines
Shafts

Mar 1948

"Occurrence and Results of Shaft Flooding in the Krivorozhsk Basin," V. D. Notarov, Candidate Geol Mineral Sci, 3 pp

"Gornyy Zhur" No 3

Describes conditions in the two main mines, "Bol'shevik" and "Komintern." Includes charts and diagrams of flooding in the mine imeni "Ordzhonikidze" and the "Bol'shevik" mine. Gives diagram of pumping-out operations in Krivorozhsk basin.

LB

51T67

SOV/124-58-10-11336

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 10, p 92 (USSR)

AUTHORS: Notarov, V.D., Betin, D.I.

TITLE: Methods of Determination of the Permeability Coefficient of Individual Water-bearing Horizons by Means of Evaluation of Total Yield of Wells Operating in the Krivoy Rog Basin (K metodike opredeleniya koeffitsiyenta fil'tratsii otdel'nykh vodonosnykh gorizontov po summarnym otkachkam iz skvazhin v usloviyakh Krivorozhskogo basseyna)

PERIODICAL: Byul. nauchno-tekhn. inform. N.-i. gornorudn. in-t, 1957, Nr 3, pp 58-66

ABSTRACT: A presentation of methods for determining the permeability coefficients of individual water-bearing horizons exploited by a common well without provisions for mutual insulation of reservoirs. The authors base their reasoning on the fact that natural aquifer horizons are completely isolated from each other by heavy, impervious layers and that the only hydraulic connection between them is that provided by the wells. The yield of a well is regarded to be equivalent to the algebraic sum of the yields of the separate horizons. In their computations the authors make use of Dupuy's equations. The calculation

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Methods of Determination of the Permeability Coefficient (cont.)

equations are based upon the following considerations: The first equation emanates from the condition that drilling operations are halted and the resulting steady-state water level is measured after penetration of each water-bearing horizon. Two other equations are set up on the basis of two separate pumping operations with different yield from the horizon being considered. After the hydraulic characteristics of a given horizon have been determined, the drilling operations are continued until the next horizon is reached. Water level measurements and the two separate pumping operations make it possible to obtain three equations from which th hydraulic characteristics of a given water-bearing horizon may be determined. An example is given showing the computation of the permeability coefficient of three separate water-bearing horizons.

V.A. Vasiliyev

NOTAROV, V.D.

Use of mine waters from the Krivoy Rog Basin for therapeutic purposes. Vop.kur.,fizioter. i lech. fiz. kul't. 23 no.5:437-439 S-O '58 (MIRA 11:11)

1. Iz Nauchno-issledovatel'skogo gornorudnogo instituta (Krivoy Rog)
(MINERAL WATERS)
(KRIVOY ROG BASIN--MINE WATER)

BELEVTSEV, Ya.N.; FOMENKO, V.Yu.; NOTAROV, V.D.; MOLYAVKO, G.I.; MEL'NIK, Yu.P.; SIROSHTAN, R.I.; DOVGAN', M.N.; CHERNOVSKIY, M.I.; SHCHERBAKOVA, K.F.; ZAGORUYKO, L.G.; GOROSHNIKOV, B.I.; AKIMENKO, N.M.; SEMERGEYEVA, Ye.A.; KUCHER, V.N.; TAKHTUYEV, G.V.; KALYAYEV, G.I.; ZARUBA, V.M.; NAZAROV, P.P.; MAKSIMOVICH, V.L.; STRUYEVA, G.M.; KARSHENBAUM, A.P.; SKARZHINSKAYA, T.A.; CHEREDNICHENKO, A.I.; GERSHOYG, Yu.G.; PITADE, A.A.; RADUTSKAYA, P.D.; ZHILKINSKIY, S.I.; KAZAK, V.M.; KACHAN, V.G.; POLOVKO,N.I., red.; LADIYEVA, V.D., red.; ZHUKOV, G.V., red.; YEPATKO, Yu.M., red.; SLENZAK,O.I., red. izd-va; KULICHENKO, V.G., red.; RAKHLINA, N.P., tekhn. red.; MATVEYCHUK, A.A., tekhn. red.

[Geology of the Krivoy Rog iron ore deposits] Geologiia Krivorozhskikh zhelezorudnykh mestorozhdenii. Kiev, Izd-vo Akad. nauk USSR. Vol.1.[General problems of the geology of the Krivoy Rog Basin. Geology and iron ores of the "Ingulets," Rakhmanovskiy, and Il'ich ore deposits] Obshchie voprosy geologii Krivbassa. Geologicheskoe stroenie i zheleznye rudy mestorozhdenii rudnikov "Ingulets," Rakhmanovskogo i im. Il'icha. 1962. 479 p. Vol.2.[Geology and iron ores of the Dzerzhinskiy, Kirov, Liebknecht, October Revolution, "Bol'shevik," Frunze, 22d Parts'ezd, Red Guard, and Lenin deposits]Geologicheskoe stroenie i zheleznye rudy mestorozhdenii im. Derzhinskogo, im.Kirova, im.K.Linkenkhta, im.XX parts"ezda, im. Krasnoi Gvardii i im.Lenina. 1962. 564 p. (MIRA 16:5)
(Krivoy Rog Basin--Iron ores)

1. MOISEEVA, M. I. : ZDOR, V. F. : ENG.

2. USSR (600)

4. Woodwork

7. Straightening deformed wooden articles. Der. i lesokhim. prom. 1 no. 6. 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 19[illegible]. Unclassified.

1. NOTERZOR, M. I.

2. USSR (600)

4. Railroads-Passenger Cars

7. Use of wooden panels in the construction of passenger cars. Vest.mash. 32 no. 7, 1952.

DOSPEVSKI, D., st. asistent, NOTEVA, M., ordinator

Severe naphthalene poisoning in infant with favorable outcome. Nauch. tr.ISUL,Sofia 2 no.2:109-119 1953.

1. Katedra po detski bolesti. Zav. katedrata: dots. Br.Ts.Bratanov.
(NAPHTHALENE, poisoning,
in inf., ther.)
(POISONING,
naphthalene, in inf., ther.)

NOTIK, I.Z., inzh.

Technological innovations are under party control.
Mashinostroitel' no.4:45 Ap '60. (MIRA 13:6)

1. Predsedatel' partiynoy komissii po kontrolyu za vnedreniyem novoy tekhniki Gor'kovskogo zavoda frezernykh stankov.
(Communist Party of the Soviet Union--Party work)

KULIKOV, G. P., NOTIK, S. M.

Machine-Shop Practice

Experience in the use of high-speed groove cutting., Stan. i instr., no. 12, 1951.

9. Monthly List of Russian Accessions, Library of Congress, March, 1952 ~~1953~~, Uncl.

Notik, S M.

AID P - 5193

Subject : USSR/Engineering

Card 1/1 Pub. 103 - 15/24

Authors : Notik, S. M., and G. P. Kulikov

Title : Using mineral ceramic cutters for speed cutting of metals.

Periodical : Stan. i instr., 7, 39-40, Jl 1956

Abstract : The three-years experimentation of certain mineral-ceramic cutters for speed cutting of metals done at the Novocherkassk Electric Locomotive-Building Plant im. Budennyy are described. Two photos, 2 drawings and 1 table.

Institution : As above

Submitted : No date

HOTIK, S.M.

Remodeling vertical boring and turning machines. Stan.i instr.
27 no.10:38-39 O '56. (MLRA 9:12)
(Drilling and boring machinery)

NOTKIN, A.

Correlation between the growth of the national product and national income. Vop. ekon. no.10:3-16 O '63. (MIRA 16:12)

NOTKIN, A. I.

"Rates and proportions of the economic development of Socialist countries."

report presented at the Conf on Economic Development of European Socialist Countries, Plovdiv, Bulgaria, 30 Nov-6 Dec 64.

NOTKIN, A.I.

Voprosy opredeleniia ekonomicheskoi effektivnosti kapital'nykh vlozhenii v promyshlennosti SSSR (Problems in determining the economic effectiveness of capital investments in the U.S.S.R. industry). Moskva, Akad. nauk SSSR, 1953. 111 p. (Akad. nauk SSSR. In-t ekonomiki)

SO: Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954

NOTKIN, A. I.

USSR/ Miscellaneous - Economy

Card 1/1 : Pub. 124 - 2/38

Authors : Notkin, A. I., Professor

Title : Economical effectiveness of capital investments and increase in labor productivity in Soviet industry

Periodical : Vest. AN SSSR 8, 13-21, Aug 1954

Abstract : The difference between the economical effectiveness of capital investments and increase in labor productivity of capitalistic states and that of the USSR, is explained. The distribution of capital gains derived from investments and increased labor output in the USSR and in capitalistic states, is debated.

Institution : .....

Submitted : .....

NOTKIN, A.I., professor.

Economic effectiveness of capital investments and the increase of productivity of communal labor in the industry of the U.S.S.R. Vest. AN SSSR 24 no.8:13-21 Ag '54. (MLRA 7:9)
(Russia--Industries,

NOTKIN, ALEKSANDR IL'ICH

N/5
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Die Bestimmung des ökonomischen Nutzeffekts van investitionen; Zwei Beitrage. Berlin, Die Wirtschaft, 1955.

141 p. tables.

Translation from the Russian: "Voprosy opredeleniya ekonomicheskoy effektivnosti kapital nykh vlozheniy v promyshlennosti SSSR", Moscow, 1953.

Bibliographical footnotes.

NOTKIN, A.

"TECHNICAL PROGRESS AND GROWTH OF LABOR PRODUCTIVITY IN USSR INDUSTRY.

Planovoye Khozyaystvo, No6, 1955

Translation - W-31863, 27 Aug 56.

ARAKELYAN, Artashes Arkad'yevich; MOTKIN, A., professor, redaktor; DENISOVA, O., tekhnicheskiy redaktor.

[Business accounting in Soviet industry] Khozialstvennyi raschet v promyshlennosti SSSR. Moskva, Gosfinizdat, 1956. 166 p. (Industry--Organization, control, etc.) (MLRA 9:4)

MOTKIN, A.

The productivity of communal work and problems in its measurement and planning. Vop.ekon. no.9:3-18 S '56. (MLRA 9:10)

(Labor productivity)

ABRAMOV, V.A.; ALEKSEYEV, A.M.; AL'TER, L.B.; ARAKELYAN, A.A.; BAKIANOV, G.I.; BASOVA, I.A.; BLYUMIN, I.G.; BOGOMOLOV, O.T.; BOR, M.Z.; BREGEL', E.Ya.; VEYTSMAN, M.R.; VIKENT'YEV, A.I.; GAL'TSOV, A.D.; GERTSOVSKAYA, B.R.; GLADKOV, I.A.; DVORKIN, I.M.; DRAGILEV, M.S.; YEFIMOV, A.N.; ZHAMIN, V.A.; ZHUK, I.M.; ZAMYATNIN, V.N.; IGNAT'YEV, D.I.; IL'IN, M.A.; IL'IN, S.S.; IOFFE, Ya.A.; KAYE, V.A.; KAMENITSER, S.Ye.; KATS, A.I.; KLIMOV, A.G.; KOZLOV, G.A.; KOLGANOV, M.V.; KONTOROVICH, V.G.; KRAYEV, M.A.; KROMROD, Ya.A.; LAKHMAN, I.L.; LIVANSKAYA, F.V.; LOGOVINSKAYA, R.L.; LYUBOSHITS, L.I.; MALYSH, A.I.; MENZHINSKIY, Ye.A.; MIKHAYLOVA, P.Ya.; MOISEYEV, M.I.; MOSKVIN, P.M.; NOTKIN, A.I.; PARTIGUL, S.P.; PERVUSHIN, S.P.; PETROV, A.I.; PETRUSHOV, A.M.; PODGORNOVA, V.M.; RABINOVICH, M.A.; RYVKIN, S.S.; RYNDINA, M.N.; SAKSAGANSKIY, T.D.; SAMSONOV, L.N.; SMEKHOV, B.M.; SOKOLIKHIN, S.I.; SOLLERTINSKAYA, Ye.I.; SUDARIKOV, A.A.; TATAR, S.K.; TERENT'YEV, P.V.; TYAGAY, Ye.Ya.; FEYGIN, Ya.G.; FIGURNOV, P.K.; FRUMKIN, A.B.; TSYRLIN, L.M.; SHAMBERG, V.M.; SHAPIRO, A.I.; SHCHENKOV, S.A.; EYDEL'MAN, B.I.; EKHIN, P.E.; MITROFANOVA, S., red.; TROYANOVSKAYA, N., tekhn.red.

[Concise dictionary of economics] Kratkii ekonomicheskii slovar'. Moskva, Gos.izd-vo polit.lit-ry, 1958. 391 p. (MIRA 11:7)
(Economics--Dictionaries)

NOTKIN, A.

Compiling a balance sheet of the national economy of the U.S.S.R.
Vop. ekon. no.3:78-91 Mr '58. (MIRA 11:4)
(Russia—Economic policy)

NOTKIN, A.

Commentaries of Dr. Walter Hildebrandt. Vop. ekon. no.9:71-83 S '58.
(MIRA 11:10)
(Russia--Industries)

Notkin, A. I.

AUTHOR: [illegible] [illegible]

TITLE: Socialist Industrialization of the USSR and the New Technical Revolution (Sotsialisticheskaya industrializatsiya SSSR i novyy tekhnicheskiy perevorot).

PERIODICAL: Vestnik AN SSSR, 1958, Vol. 28, Nr 1, pp. 13-24 (USSR)

ABSTRACT: Capitalist industrialization was of spontaneous character, whereas socialist industrialization was planned. Only such a country can be described as really industrialized as possesses a highly developed heavy industry which is able, independently, to produce machines and other industrial devices. The nationalization of industry, transports, banks, and commerce made it possible for the state to accumulate ample means which were systematically used for the industrialization of the state. During the first 5 years' plan 1500 new large industrial plants were established, in the second 4500, and in the three pre-war years of the third five years' plan (1938-1940) there were about 3000. Old factories in operation were reconstructed and extended. Only a mechanized production on a large scale, which is based upon progressive and up-to-date technical methods, can serve as a material basis of socialism. Technical progress makes it possible to decrease the

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APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R001137410003-1"

amount of labor per produced unit, to increase output, and to reduce working time. A number of branches of industry was mechanized, viz.: the coal- and peat industry, timber production foundries, many branches of the food industry, the clothing industry, building plants, the work of loading and unloading, agriculture and fisheries, and others. The technical reconstruction of the economic system led to the creation of numerous qualified production centers. Many old crafts based upon manual labor have died out. There is a considerable increase of the part played by engineers and technicians, the number of which amounted to 972 000 in 1940 (8,5 % of the entire industrial production personnel). In 1940 33 % of all industrial workers were active in plants with more than 1000 hands, and these plants amounted to 44 % of the entire industrial production. In the USA corresponding plants provide work for [illegible] % of all industrial workers, and the output amounts to 25 %. In 1913 only 2,2 million tons of coal were produced and 698 000 tons of steel were smelted in the Ural district, in Siberia, and in the Far East. In 1940, however, the respective figures are 30,9 million tons of coal and about 5,9 million tons of steel. The

Generation of electric energy in Belorussia amounted to 3 million kilowatt hours in 1913 and in 1940 - 508,4 million kilowatt hours was the figure; the corresponding figures were 3,7 and 481,3 in Uzbekistan, at Kazakstan 1,3 and 632, in Gruziya 19,8 and 741,7, and Azerbaidzhan 110,8 and 1826,5, in Armeni - 5,1 and 395, and in Turkmenia - 2,5 and 83,5 million kilowatt hours respectively. The productivity of the entire state-controlled industry and the industry in the hands of state- and company-controlled industry of the USSR increased during the period from 1928 to 1940 by the 3,4-fold. Nations and peoples which, before the October Revolution still had feudal methods of economy, ventured upon the path of socialist reconstruction by avoiding the capitalist stage of evolution. The structure of the population changed completely. Economic competition between socialism and capitalism entered upon a new stage. A table shows the growth of industrial production of the USSR during the post-war period in certain fields (for 1956 compared to 1940). It is further said that the present production of steel, electric energy, and cement by far surpasses that of

Socialist Industrialization of the USSR and the New Technical Revolution 20-1-4/39

England, the German Democratic Republic, and France, and approaches more and more the achievements of the USA; in this connection the hope is expressed that within not to long a time the USA will be surpassed, which is explained in detail on the basis of figures and a table. Much attention is also devoted to the problem of automation. In conclusion it is described as the most important task to do better than the USA in providing milk, butter and meat per head of the population during the next few years; and in the course of 5-7 years to meet the demands made by the population as regards textiles and shoes; and to solve the housing problems within the next 10-12 years. There are 2 tables.

AVAILABLE: Library of Congress

1. Industry-USSR

Card 4/4

NOTKIN, A.

Rate of comprehensive production of the means of production during the expanding development of communism. Vop.ekon. no.5: 3-15 My '59. (MIRA 12:9)
(Russia--Economic conditions)

NOTKIN, Aleksandr Il'ich; KALMYK, V.A., red.; PONOMAREVA, A.A., tekhn. red.

[The pace and extent of socialist reproduction] Tempy i proportsii sotsialisticheskogo vosproizvodstva. Moskva, Izd-vo ekon. lit-ry, 1961. 213 p. (MIRA 14:11)
(Russia—Economic conditions)

BOR, M.; NOTKIN, A.

Methodological problems in the balance of the national economy. Vop. ekon. no.5:36-47 My '61. (MIRA 14:5)
(Russia—Economic policy) (Russia—Statistics)

NOTKIN, A.

The present stage of economic competition of the U.S.S.R. with the principal capitalist countries. Vop. ekon. no.7:7-22 Jl '61. (MIRA 14:7)

(Competition, International)

NOTKIN, A.

Rates of economic development in the U.S.S.R. during the building of communism. Vop. ekon. no.11:16-28 N '61. (MIRA 14:11)
(Economic development)

NOTKIN, A.

Gross national product and national income in the system of the economic categories of socialism. Vop. ekon. no.9:31-46 S '62. (MIRA 15:9)

(Gross national product) (Income)

NOTKIN, A.

Gross and final national product. Vop. ekon. no.3:99-111 Mr '63. (MIRA 16:3)
(Gross national product)

1. BERNADSKIY, I. F.; SUSHKOV, V. T.; BESPECHANSKIY, K. S.; STARCHENKO, V. S.; NOTKIN, B. A.; VVEDENSKIY, V. V.; BESHCINSKIY, L. I.

2. USSR (600)

4. Gas and Oil Engines - Testing

7. Stand for testing internal combustion engine with an asynchronous machine. Prom. energ. 9 no. 10, 1952

9. [illegible] of Russian Accessions, Library of Congress, January 1953, Unclassified

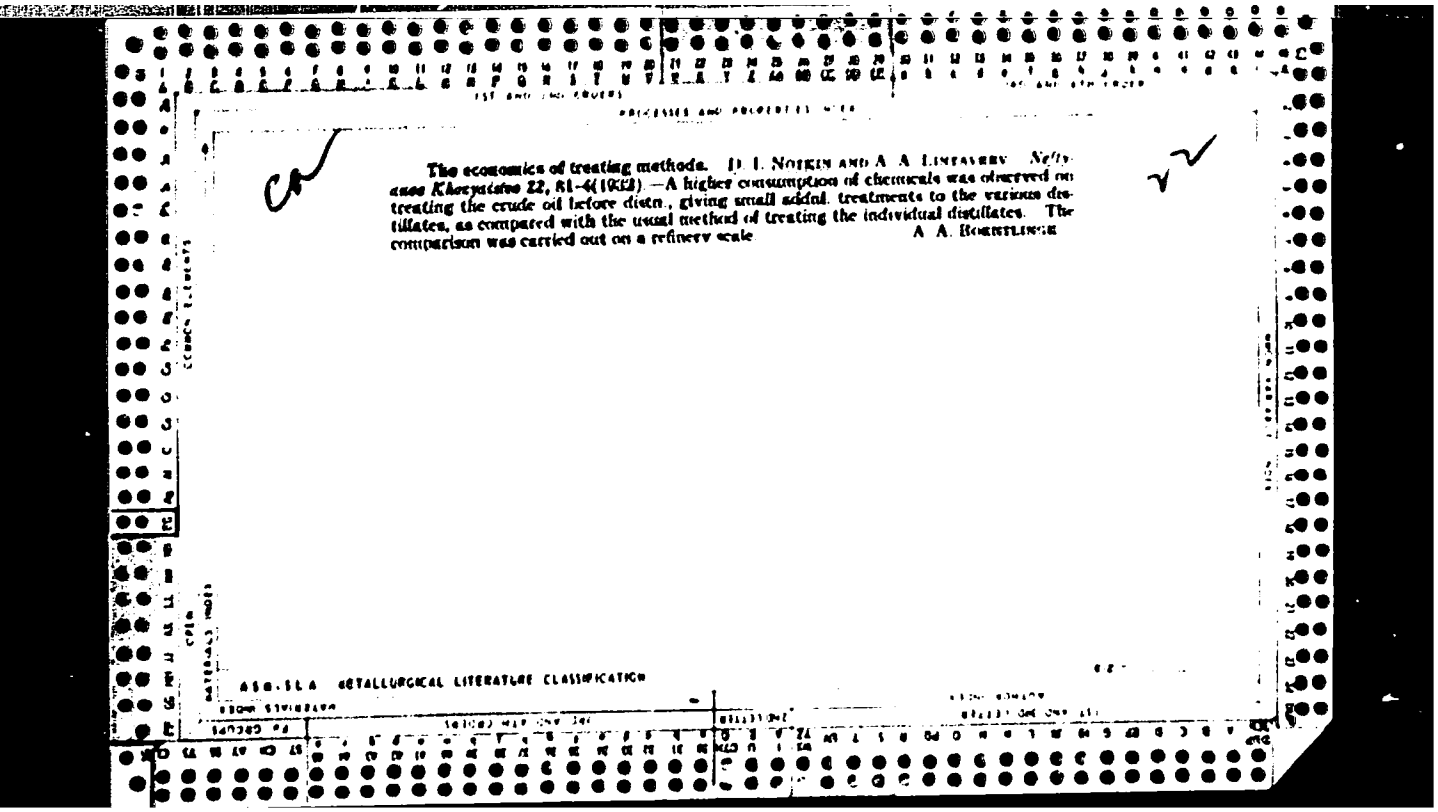
PIK, I.Sh.; NOTKIN, B.M.; PETROV, A.K., red.; ZHURAVSKIY, Ya.B., red.; LUR'YE, M.S., tekhn.red.; KOGAN, V.V., tekhn.red.

[Experience in molding articles made of aminoplasts] Opyt pressovaniia izdelii iz aminoplastov. Pod obshchei red. A.K. Petrova. Moskva, Gos.nauchno-tekhn.izd-vo khim.lit-ry, 1960. 139 p. (MIRA 13:9)

(Aminoplastics)

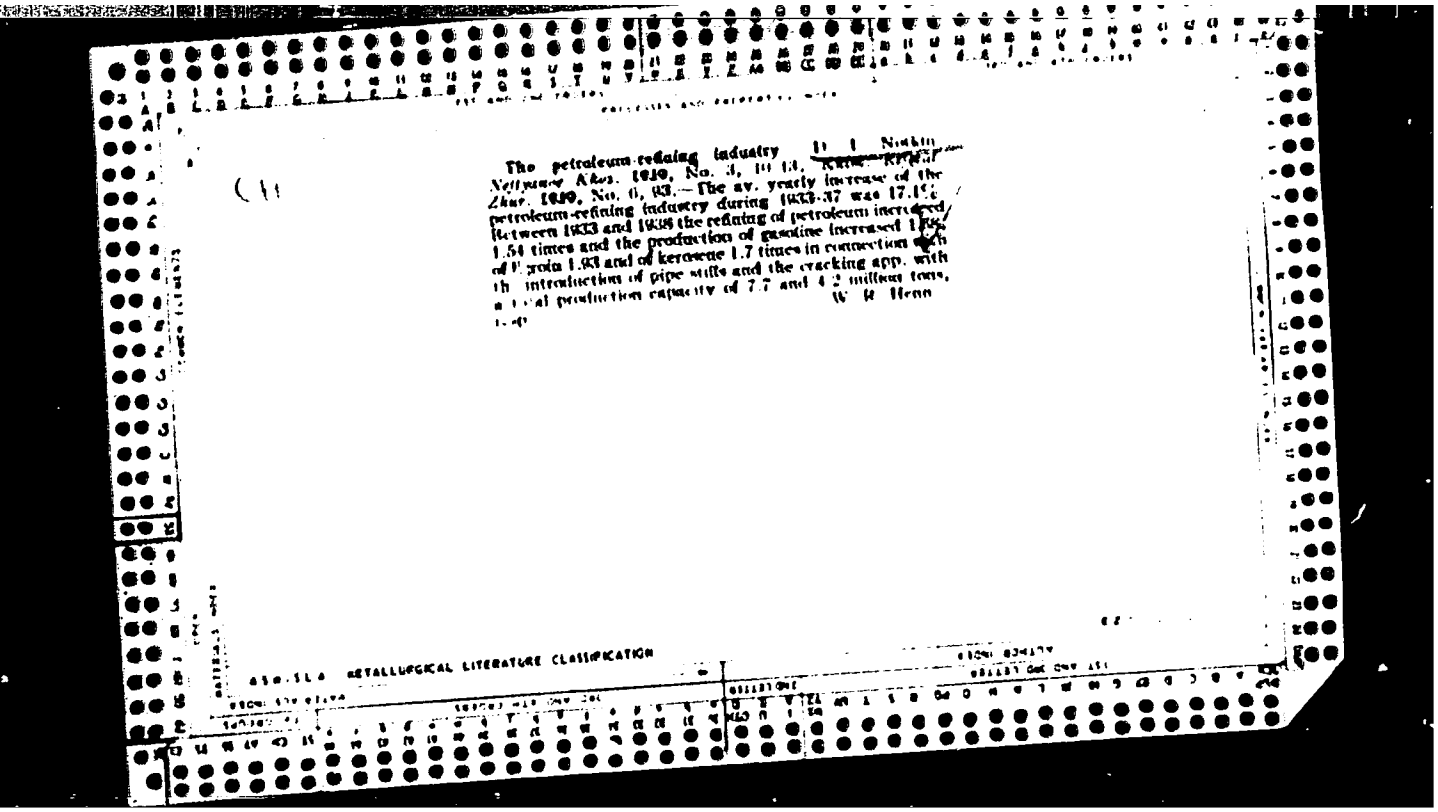
NOTKIN, Boris Moiseyevich; PERKPELKIN, Vitaliy Petrovich; CHERNOV, Ye., red.; PAVLOVA, S., tekhn. red.

[Plastics in engineering] Plastmassy v tekhnike. Moskva, Mosk. rabochii, 1961. 175 p. (MIRA 14:6)
(Plastics)



The economics of treating methods. D. I. Nogin and A. A. Linyaeev. *Neftyanoe Khozyaistvo* 22, 81-4(1944).—A higher consumption of chemicals was observed on treating the crude oil before distn., giving small additional treatments to the various distillates, as compared with the usual method of treating the individual distillates. The comparison was carried out on a refinery scale. A. A. Boateline

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



The petroleum-refining industry [illegible] Nishin. Neftyanoe Khoz. 1939, No. 3, 10-18. — Khim. Referat. Zhur. 1939, No. 6, 93. — The av. yearly increase of the petroleum-refining industry during 1933-37 was 17.1%; between 1933 and 1938 the refining of petroleum increased 1.54 times and the production of gasoline increased 1.8 times, of fr. oil 1.93 and of kerosene 1.7 times in connection with the introduction of pipe stills and the cracking app. with a total production capacity of 7.7 and 4.2 million tons. W. W. Henn

669.1.1.6 METALLURGICAL LITERATURE CLASSIFICATION

NOTKIN, D.I.

Development of the fuel industry in the U.S.S.R. Khim.i tekh. topl. no.3:1-7 Mr '56. (Fuel) (MLRA 9:9)

[illegible]-58-1/15

AUTHOR: Notkin, D. I.

TITLE: New Large-Scale Developments of the Soviet Fuel and Petrochemical Industry (Toplivnaya i neftekhimicheskaya promyshlennost' SSSR na novom moshchnom pod"yeme)

PERIODICAL: Khimiya i Tekhnologiya Topliv i Masel, 1958, Nr 11, pp 1 - 10 (USSR)

ABSTRACT: Expansion in the chemical, metallurgical, petroleum, gas and coal industries, as well as in the branches of mechanical engineering and building materials, is to proceed at a faster rate than during previous years. The planned output for the first 10 months of 1958 in all these fields was exceeded; the same applied to the textile and footwear industry. Production figures for mineral fuels for 1958 (590 million tons) were three times those for 1940. A 5 times higher output of coal was achieved during the inter-war years (1928 - 1940) and the output of petroleum increased 3 times. During 1956 to 1958 crude oil production rose 1.6 times, natural gas production rose 3.5 times and coal production increased by 27%. A table shows the increases for mineral fuels during 1956 - 1957. In the chemical field the manufacture of high quality fibres and their production costs are discussed. During

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New Large-Scale Developments of the Soviet Fuel and Petrochemical Industry

the next 7 years a 2.3 higher output in the footwear industry is to be achieved and the use of synthetic leather is mentioned. The manufacture of synthetic fur is to be increased 17 times by 1965. The importance of natural gas as a raw material for the production of ammonia, acetylene, hydrogen, methyl alcohol, acrylonitrile, urea etc. is pointed out. 33-milliards m^3 of natural gas will be produced during 1959 and by 1965 this figure is to be increased to 133-milliards m^3. The use of marsh gas, and especially of its various fractions, is reviewed. In 1959 the production of liquefied gases and gasoline is to reach 5.5-million tons, 30% of which will be used by the chemical industry; by 1965 the corresponding figures will be 6.5-million tons and 50%. Large-scale developments in the petrochemical industry are foreseen in the Azerbaydzhan, Kuybyshev, Saratov, Stalingrad and Omsk regions. The Soviet Union has vast resources of natural gas. The present output equals 1 trillion m^3, but according to experts this could be increased to 20-trillion m^3. The production figures

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New Large-Scale Developments of the Soviet Fuel and Petrochemical Industry

in the gas industry are at present up to 31 milliards m^3; these are to be increased to 150 milliards m^3 in 1965 and to 270 - 320 milliards m^3 by 1970 - 1972. These figures are broken down for the various regions such as the Ukraine, Azerbaydzhan, Uzbekistan, etc. Gasification of coal is also discussed.

NOTKIN, D.I.

KALAMKAROV, V.A.; NOTKIN, D.I.

For further development of the petroleum industry in the U.S.S.R.
Neft. khoz. 36 no.1:1-8 Ja '58. (MIRA 11:2)

1. Gosplan SSSR.

(Petroleum industry)

NOTKIN, David I.

"Present-day status and main development trends of the oil industry in the USSR"

report to be submitted for the 6th World Petroleum Congress, Frankfurt am Main, W. Germany, 19-26 Jun 63.

LATSINIK, Ye.Ya.,prof.; KOTKIN, D.L., kand.med.nauk; SLOVESHIK, R.S.; SOSNOVSKAYA, L.A.; BACHINSKIY, D.Kh.; SOTNICHENKO, L.A.; KAMINSKAYA, L.I. (Odessa)

Characteristics of the clinical course of Asian flu (A^2) in the 1959 epidemic. Klin.med. 38 no.3:59-63 Mr'60. (MIRA 16:7)

1. Iz Odesskoy gorodskoy infektsionnoy bol'nitsy Leninskogo rayona (glavnyy vrach L.T.Zhidovlenko).

NOTKIN, Leonid Rafailovich, inzh.; MORDVINOVA, M.P., inzh., ved. red.; SOKOLOV, I.D., inzh., red.; SOROKINA, T.M., tekhn.red.

[GI-2A-type pulse generator]Generator impul'sov GI-2A. Moskva, Filial Vses. in-ta nauchn. i tekhn.informatsii, 1958. 30 p. (Peredovoi naucnno-tekhnicheskii i proizvoditel'nyi opyt. Tema 36. No.P-58-2/1) (MIRA 16:3)
(Oscillators, Electron-tube)
(Pulse techniques (Electronics))

L 56515-65 EWT(1)/EWA(h) Peb

ACCESSION NR: AP5016721 UR/0286/65/000/010/0040/0040

AUTHORS: Lipinskiy, G. V.; Notkin, L. R.; Glushko, E. N.; Graber', K. V. 21

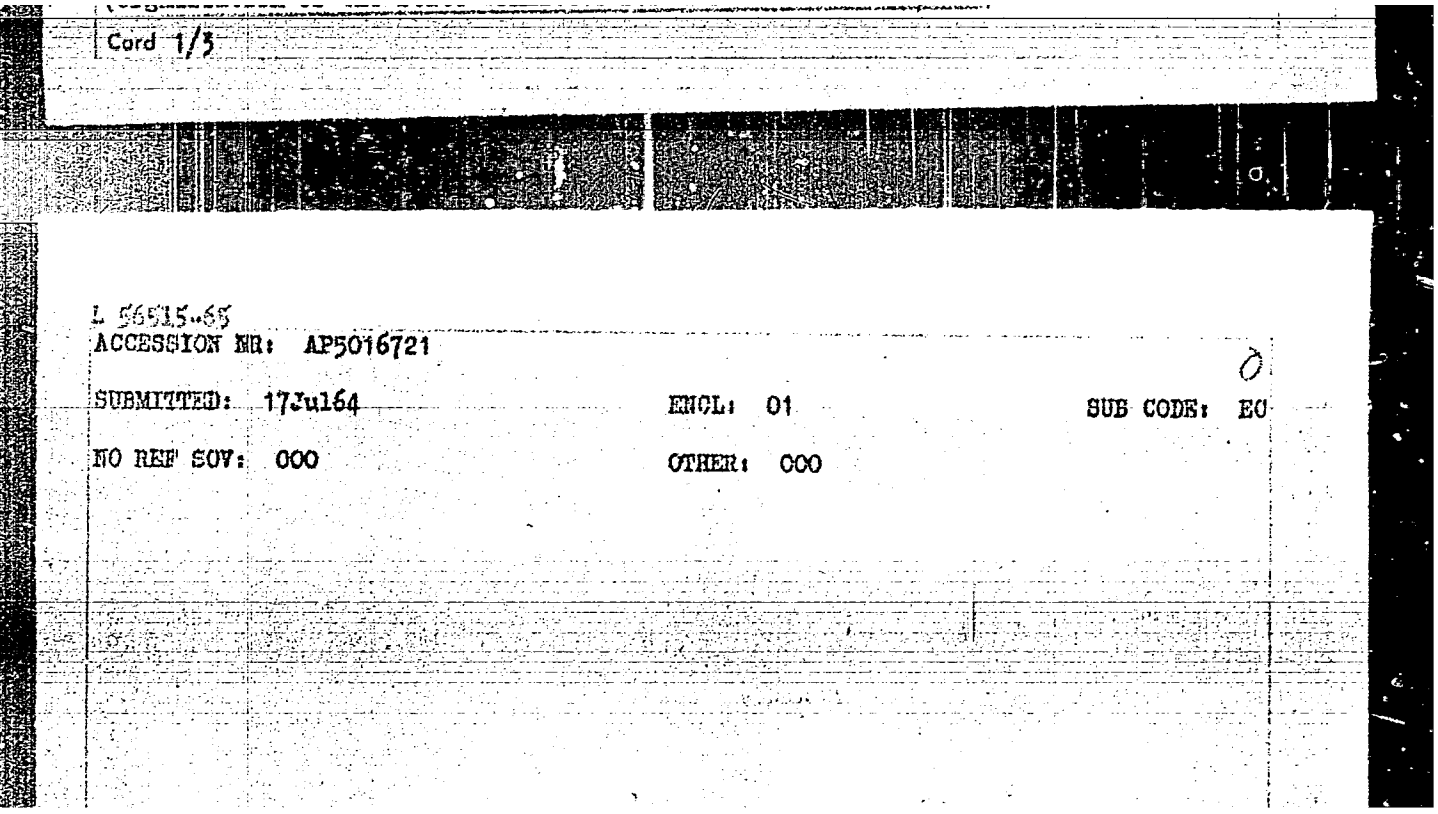
TITLE: Rectangular pulse generator. Class 21, No. 171020 B

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 10, 1965, 40

TOPIC TAGS: pulse generator

ABSTRACT: This Author Certificate presents a rectangular pulse generator containing a double branch trigger. A sawtooth voltage generator and a circuit for comparing the sawtooth voltage with a reference, connected to one of the inputs of the trigger are connected in series to the output of one of the branches (see Fig. 1 on the Enclosure). To insure the constancy of the pulse off-duty factor with changes in pulse width, a sawtooth voltage generator and a comparison circuit connected to the other trigger input are connected in series to the output of the second branch. The same reference voltage is supplied to both comparison circuits. Orig. art. has: 1 diagram.

ASSOCIATION: Organizatsiya gosudarstvennogo komiteta po radioelektronike SSSR



Card 1/3

L 56515-65
ACCESSION NR: AP5016721

SUBMITTED: 17Jul64 ENCL: 01 SUB CODE: EC

NO REF SOV: 000 OTHER: 000

ZHUKOV, V.S.; KORSHUN, L.L.; MOROZOVA, S.S.; NOTKIN, M.M.

Well-covering mat finish of furniture. Der. prom. 12 no.12: 16-17 D '63. (MIRA 17:3)

NOTKIN, M.M.; PAZYUK, L.M.

Use of standards in varnish coating. Der. prom. 13 no.8:16-17 Ag '64. (MIRA 17:11)

VINOGRADOVA, Ye.A.; KORSHUN, L.L.; NOTKIN, M.M.

Finishing of particle boards with the PE-219 polyester varnish.
Der.prom. 11, no.3:24-25 Mr '62. (MIRA 15:2)
(Hardboard)
(Varnish and varnishing)

NOTKIN, M.M., inzh.

Transparent finish of unveneered chipboards. Der. prom. 12 no.5:19-20 My '63. (MIRA 16:7)

(Particle board)

KORSHUN, L.L.; KOTKIN, M.M.; NIKITINA, E.S.; SINELOBOV, M.A.; POSPELOVA, G.L., nauchn. red.; PETRENKO, V.M., tekhn. red.

[Finishing veneerless particle boards] Otdelka nefanerovannykh struzhechnykh plit. Moskva, TSentr. nauchno-issled. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoz. 1963. 22 p. (MIRA 16:11)
(Particle board) (Wood finishing)

KORSHUN, L.L.; NOTKIN, M.M.; STRADA, V.Yu.; TSVETKOVA, L.F.; KIMRYAKOV, N.A.; USANOVA, A.P., red.

[The "NK" nitrourea coating Nitrokarbamidnaia gruntovka "NK" Moskva. TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevo-obrabatyvaiushchei promyshl. i lesnomu khoz., 1964. 15 p. (MIRA 17:12)

1. Vsesoyuznyy proyektno-konstruktorskiy i tekhnologicheskiy institut mebeli (for Korshun, Notkin, Strada, TSvetkova).
1. Mebel'naya fabrika No.7 Soveta narodnogo khozyaystva Moskovskogo gorodskogo ekonomicheskogo rayona (for Kimryakov).

NOTKIN, Semen Yefimovich; LAGUTINA, Ye.V., red.; MIRONOVA, A.M., tekhn. red.

[Prevention of anemia in children]Preduprezhdenie malokroviia u detei. Moskva, Medgiz, 1962. 21 p. (MIRA 16:2)
(ANEMIA) (CHILDREN—DISEASES)

NOTKIN, Semen Yefimovich; STAROSTENKOVA, M.M., red.; RAKITIN, I.T., tekhn. red.

[Little children protected]Malyshi pod zashchitoi. Moskva, Izd-vo "Znanie," 1962. 36 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, no.24)
(MIRA 15:12)

(CHILDREN--DISEASES)

TEMKENBAUM, Matvey Vasil'yevich. Prinimali uchastiye: NOTKIN, Vladimir Yefimovich; BATUROV, Gleb Nikolayevich; BELOV, Konstantin Aleksandrovich. RYAUZOV, N.N., prof., red.; ERESINA, I.Ya., red.izd-va; FOMICHEV, P.M., tekhn.red.

[Statistics of Soviet consumers' cooperative societies] Statistika sovetskoi potrebitel'skoi kooperatsii. Izd.3., ispr. i dop. Pod red. N.N.Riauzova. Moskva, Izd-vo TSentrosoiuza, 1959. 308 p. (MIRA 13:4)
(Cooperative societies--Statistics)

NOTKIN, Ya.S.

RABINOVICH, B.Ya., dots [deceased]; NOTKIN, Ya.S.

Specific gravity and viscosity of aluminum bromide - benzene system in carbon bisulfide as neutral solvent. Izv. KPI 20:127-133 '57. (MIRA 11:3)
(Aluminum bromide) (Benzene)
(Carbon disulfide)

NOTKIN, Ye.B.

X-ray study on the effect of fat on the motor and evacuative function of the stomach by means of cholecystography. Trudy 1-go MMI 39:166-179 '65. (MIRA 18:9)

NOTKIN, Ye. L.; KUVSHINNIKOV, P. A.; BRUSHLINSKAYA, L. A.

"P. I. Kurkin (1858-1948)," (Founder of Russian Sanitation Statistics on the 90th Anniversary of his Birth). Published in Gigiyena i Sanitariya, 1949, No. 2, pp. 46-50, with portrait.

NOTKIN, Ye. L.

"Petr Afanas'yevich Kuvshinnikov, on the occasion of the 35th Anniversary of the Scientific -Pedagogical and Medical Society." Published in: Sov. Zdravookhraneniye, 1949, No. 3, pp. 62-63.

NOTKIN, YE.L.

The Role of Groups in Military Medical Statistics
VOYENNO-MEDITSINSKIY ZHURNAL (Military Medical Journal), no. 2, February 1955, p. 81

NOTKIN, Ye.L., dotsent

Methodology of studying the incidence of disease among troops. Voen.-med. zhur. no.3:38-41 Mr '56. (MLRA 9:9)
(MEDICINE, MILITARY)
(DISEASES--CAUSES AND THEORIES OF CAUSATION)

NOTKIN, Ye.L., dotsent

Exhaustive analysis of data on hospital treatment of the sick. Voen.med.zhur. no.12:32-36 D '56. (MIRA 10:3)
(RECORDS, MEDICAL
in military hosp. role in evaluation of treatment)
(MEDICINE, MILITARY AND NAVAL
med. records in military hosp., role in evaluation of treatment)

NOTKIN Ye L

BELOUSOV, A.Z.; NOTKIN, Ye.L. (Moskva)

P.I.Kurkin, a classic figure in public health statistics; on the 100th anniversary of his birth. Zdrav.Ros.Feder. 2 no.3:25-30 Mr '58. (MIRA 11:3)

(MEDICAL STATISTICS) (KURKIN, PETR IVANOVICH, 1858-1934)

2-58-3-14/17

AUTHORS: Vostrikova, A., Notkin, Ye.

TITLE: P.I. Kurkin (On the 100th Anniversary Of His Birth).

PERIODICAL: Vestnik Statistiki, 1958, Nr 3, pp 84-86 (USSR)

ABSTRACT: The article is a short biography of the statistician P.I. Kurkin (1858-1934).

Card 1/1

NOTKIN, Ye.L., dots.

P.I. Kurkin and military medical statistics. Voen. med. zhur. no.3: 91-92 Mr '58. (MIRA 12:7)
(KURKIN, PETR IVANOVICH, 1858-1934)
(MEDICAL STATISTICS)

NOTKIN, Ye.L., dotsent

Outstanding promoter of Soviet health statistics. Zdrav. Ros.Feder. 3 no.6:34-36 Je '59. (MIRA 12:6)
(KUVSHINNIKOV, PETR AFANAS'EVICH, 1889-)

NOTKIN, Ye.L., dotsent

Improvement of statistical reports of sanitary and epidemiological control stations. Gig.i san. 25 no.9:65-69 S '60. (MIRA 13:9)

1. Iz sektsii organizatsii zdravookhraneniy moskovskogo otdeleniya Vserossiyskogo obshchestva gigiyenistrov i sanitarnykh vrachey. (PUBLIC HEALTH--STATISTICS)

NOTKIN, Ye.L., doktor med.nauk

Methodological errors in the study of diseases with temporary loss of working capacity. Zdrav.Ros.Feder. 6 no.10:39-43 O '62. (MIRA 16:4)

(DISABILITY EVALUATION)

NOTKIN, Ie.L.

On the 70th birthday of I.M.Geizer. Zdrav. Ros.Feder. 7 no.5:45 My'63. (MIRA 16:6)

(GEIZER, ISAI MOISEEVICH, 189[illegible] -)

NOTKIN, Ye.L., doktor med. nauk (Moskva)

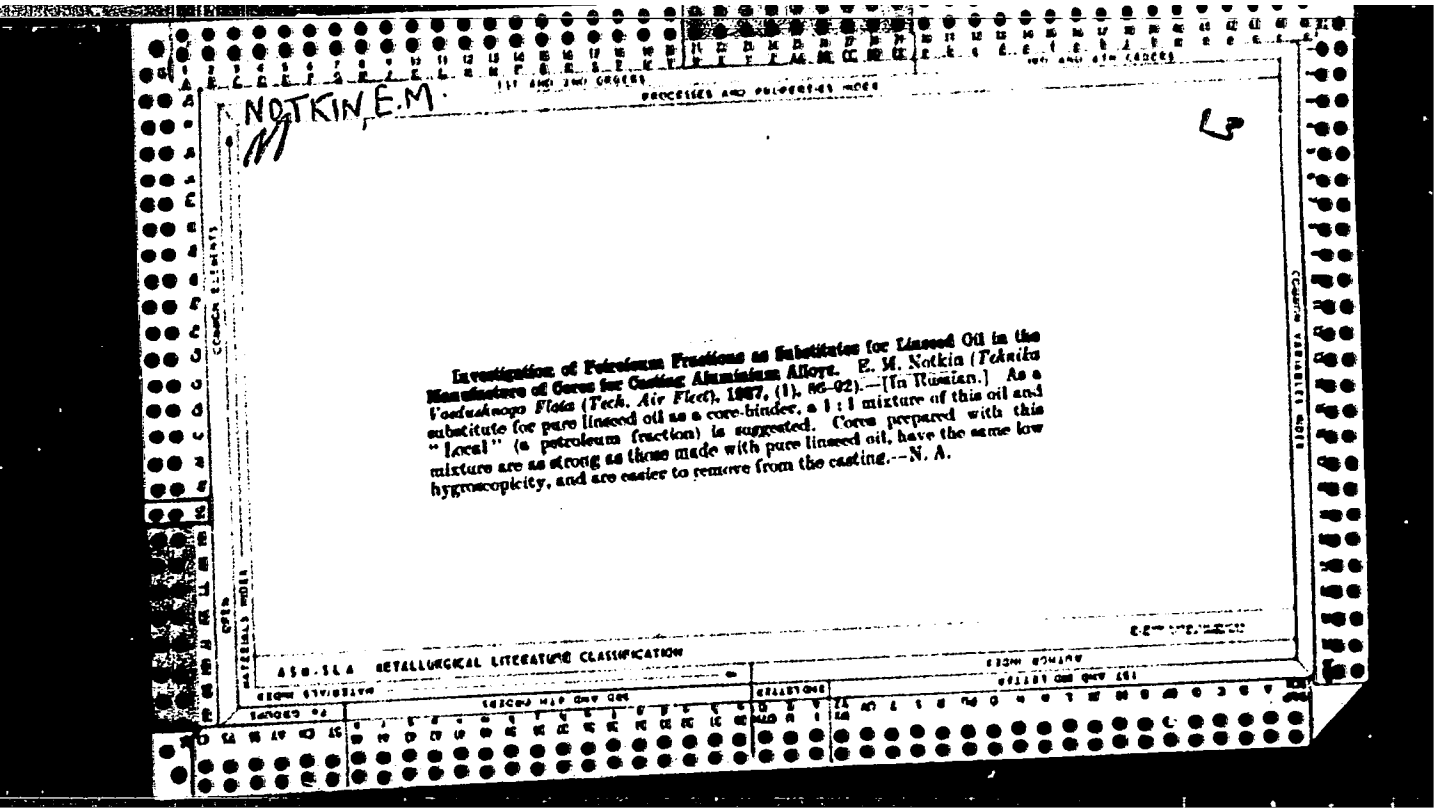
Review of the book by I.D. Bogatyrev "Morbidity and the therapeutic and preventive service for industrial workers." Sov. zdravookhr. 22 no.3:92-94 '63 (MIRA 17:1)

NOTKIN, Yefim L[illegible]arevich, doktor med. nauk; MERKOV, A.M., prof., re

[Statistics in hygiene research] Statistika v gigienicheskikh issledovaniiakh. Moskva, Meditsina, 1965. 272 p. (MIRA 18:6)

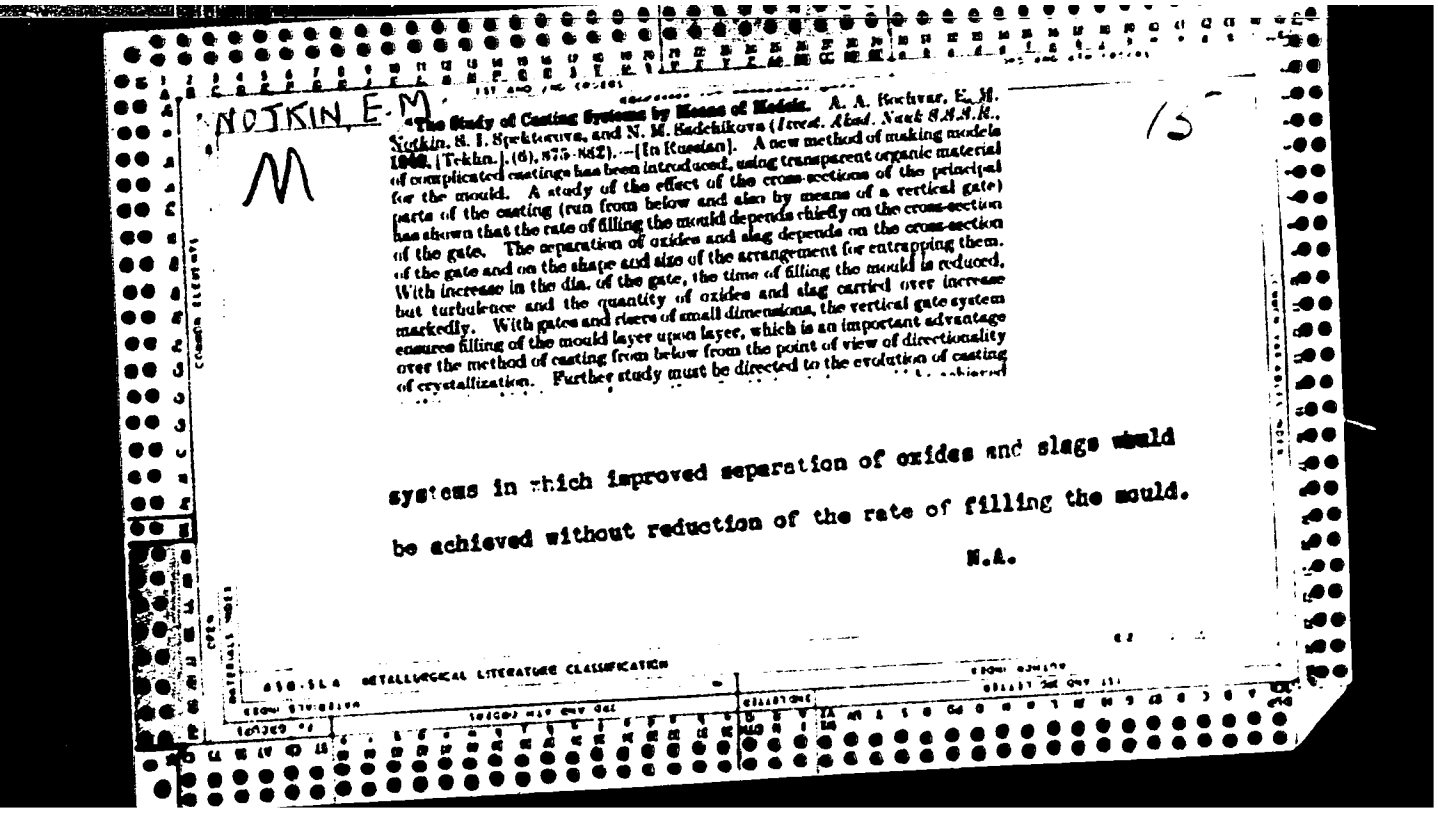
NOTKIN, Ye.I.

[Problems and [illegible] workers] Zadachi i [illegible] rovnia rabochikh. [illegible]



NOTKIN, E.M.

Investigation of Petroleum Fractions as Substitutes for Linseed Oil in the Manufacture of Cores for Casting Aluminium Alloys. E. M. Notkin (*Tekniko Vozdushnogo Flota* (*Tech. Air Fleet*), 1937, (1), 86–92).—[In Russian.] As a substitute for pure linseed oil as a core-binder, a 1 : 1 mixture of this oil and "Local" (a petroleum fraction) is suggested. Cores prepared with this mixture are as strong as those made with pure linseed oil, have the same low hygroscopicity, and are easier to remove from the casting.—N. A.



NOTKIN E.M.

M

15

The Study of Casting Systems by Means of Models. A. A. Bochvar, E. M. Notkin, S. I. Spektorova, and N. M. Sadchikova (*Izvest. Akad. Nauk S.S.S.R., Otdel. Tekhn. Nauk*, 1948, (6), 875–882).—[In Russian]. A new method of making models of complicated castings has been introduced, using transparent organic material for the mould. A study of the effect of the cross-sections of the principal parts of the casting (run from below and also by means of a vertical gate) has shown that the rate of filling the mould depends chiefly on the cross-section of the gate. The separation of oxides and slag depends on the cross-section of the gate and on the shape and size of the arrangement for entrapping them. With increase in the dia. of the gate, the time of filling the mould is reduced, but turbulence and the quantity of oxides and slag carried over increase markedly. With gates and risers of small dimensions, the vertical gate system ensures filling of the mould layer upon layer, which is an important advantage over the method of casting from below from the point of view of directionality of crystallization. Further study must be directed to the evolution of casting systems in which improved separation of oxides and slags would be achieved without reduction of the rate of filling the mould.

M.A.

669.5.L.A METALLURGICAL LITERATURE CLASSIFICATION

NOTKIN, Ye.M.; KUR, G.Ye.; ARONSHTEYN, N.M.

Sandslinger performance in radiator making. Lit. proizv. no.2: 1-7 F '58. (MIRA 11:3)
(Foundry machinery and supplies)
(Coremaking)

18 (5)

AUTHORS: Notkin, Ye.M., Candidate of Technical Sciences, Kur, G.Ye. and Aronshteyn, N.M., Engineers

TITLE: Experiments in Automatic Radiator Molding

PERIODICAL: Liteynoye proizvodstvo, 1959, Nr 11, pp 25-27 (USSR)

ABSTRACT: The existing method for radiator unit molding by means of bottom pressing is a process that requires the expenditure of much labor. Thus, a crew consisting of 4 molders and 1 fitter can produce, on the average, only 60-75 three-unit molds in the course of one hour. In order to speed up this process, the NIITAvtoprom has undertaken experimental research on molding radiator units by means of an automatic sandblast-pressing machine. The process of molding with the experimental machine encompasses the following operations: setting gaggers and core sockets; setting the empty mold box on the filling frame; clamping the mold box against the blowing-in plate; filling the mold and the frame with molding mixture from the sandblast tank, perfor-

Card 1/2

Experiments in Automatic Radiator Molding

ming the bottom underpressing; lowering the machine table; broaching the model from the mold; and removal of the finished half mold. Research has shown that it takes 15 seconds to produce a four-unit mold, 67 x 75 cm in size. Thus, the productivity of sandblast-pressing machine can be brought up to 240 half molds an hour. The author analyzes the individual operations performed during the process of experimentation and gives pertinent graphs and diagrams. There are 3 graphs, 1 diagram and 1 photograph.

MOTKIN, Ye.M.; KUR, G.Ye.; ARONSHTEYN, N.M.

Experimental investigation of the work of sandblast machines used in manufacturing principal radiator parts. Sbor. trud. NIIST no.4:5-10 '60. (MIRA 13:11)

(Radiators) (Sandblast)
(Welding (Founding)--Equipment and supplies).

MOTKIN, Ye.M.; KUR, G.Ye.; ARONSHTEYN, N.M.

Automating the casting of radiator sections. Shor. trud. NIIST no.4:81-106 '60. (MIRA 13:11)
(Radiators) (Molding (Founding)) (Sandblast)

ADAMOVICH, P.V.; BATURIN, V.V.; VAKHVAKHOV, G.G.; VAYNGAUZ, L.G.; VILENSKIY, Ye.Ya.; GAMBURG, P.Yu.; DAVYDOV, Yu.S.; KARPIS, Ye.Ye.; KUZNETSOVA. Z.I.; KOP'YEV, S.F.; LIVCHAK, I.F.; LOBACHEV, P.V.; LEV, G.M.; NOTKIN, Ye.M.; PIRUMOV, A.I.; POLIKARPOV, V.F.; PROTOPOPOV, A.P.; REPIN, N.N.; SLADKOV, S.P.; TALIYEV, V.N.; TROITSKAYA, F.B.; FEDOROV, M.N.; SHEVELEV, F.A.; SHKABEL'NIKOVA, L.P.; SHCHUTSKIY, A.I.; SMIRNOV, L.I., inzh., nauchnyy red.; SMIRNOVA, A.P., red. izd-va; NOCHALINA, Z.S., tekhn. red.; RODIONOVA, V.R., tekhn. red.

[Present level and prospects for the development of sanitary engineering and the production of sanitary engineering equipment] Sovremennyi uroven' i perspektivy razvitiia sanitarnoi tekhniki i proizvodstva sanitarno-tekhnicheskogo oborudovaniia. Moskva, Gosstroiizdat, 1962. 283 p. (MIRA 15:8)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut sanitarnoy tekhniki.

(SANITARY ENGINEERING)

MOTKIN, Ye.M.; KUR, G.Ye.; ARONSHTEYN, N.M.; prinimali uchastiye: KANTEV, V.S.; SHESHIN, N.N.; TYURIN, V.I.; VENBRIN, V.D.; MAREYEV, D.I.; VILENSKAYA, I.A.; BORODIN, B.V.; DON-YAKHIO, I.A.; MOSKALENKO, S.M.; ABRAMOVA, Z.A.; KLIMOV, M.D.; VASIL'YEV, I.A. LUK'YANOV, S.K.

Introducing automatic control in coremaking. Lit. proizv. no.6: 15-19 Je '62. (MIRA 15:6)

1. Nauchno-issledovatel'skiy institut santekhniki Akademii stroitel'stva i arkhitektury SSSR (for Luk'yanov).
(Coremaking) (Automatic control)

NOTKIN, Ye. M.; KUR, G. Ye.; ARONSHTEYN, N. M.; Prinimali uchastiye: KAMNEV, V. S.; SHASHIN, N. N.; TYURIN, V. I.; VENBRIN, V. D.; DON-YAKHIO, I. A.; ABRAMOVA, Z. A.; VASIL'YEV, I. A.; LUK'YANOV, S. K.

Automatic process for the manufacture of sand cores for radiators. Sbor. trud. NIIST no.10:5-40 '62. (MIRA 15:10)

1. Moskovskiy chugunoliteynyy zavod imeni Voykova (for Kamnev, Shashin, Tyurin, Venbrin).

(Coremaking) (Radiators)

NOTKIN, Ye. M.; VILENSKAYA, I. A.; Prinimali uchastiye: DANILOV, M. A.; BORODIN, B. V.; MAREYEV, D. I.; TYURIN, V. I.; MALYSHEVA, A. A.

Mixtures for foundry cores produced by the sand slinging method. Sbor. trud. NIIST no.10:41-70 '62.
(MIRA 15:10)

1. Nauchno-issledovatel'skiy institut sanitarnoy tekhniki (for Danilov, Borodin). 2. Moskovskiy chugunolitey nyy zavod imeni Voykova (for Mareyev, Tyurin, Malysheva).

(Coremaking)

ROTIN, A.L. ; ROTKIN, Ye.M.

Cast iron radiators of small structural depth. Sbor. st.
NIIST no.14:33-53 '63. (MIRA 17:10)

LIVCHAK, I.F., doktor tekhn. nauk; PASHCHENKO, N.Ye., inzh.;
NOTKIN, Ye.M., kand. tekhn. nauk; KUR, G.Ye., kand. tekhn. nauk

Heating system with plinth-type cast-iron convectors without casing. Vod. i san. tekh. no.10:1-6 O '65. (MIRA 18:11)

MOTKINA, F.Ya., kandidat meditsinskikh nauk; SHENDEROVICH, M.M.

Evaluating pains in the cardiac region in determining working capacity. Sov.med. 20 no.6:29-36 '56. (MLRA 9:9)

1. Iz Moskovskoy bol'nitsy ekspertizy vremennoy netrudosposobnosti (glavnyy vrach A.T.Korshunov).

(ANGINA PECTORIS, differential diagnosis,
chest pain, determ. of working capacity in(Rus))
(PAIN,
chest pain, determ. of working capacity in (Rus))
(WORK,
capacity, determ. in chest pain (Rus))
(THORAX, diseases,
same)

FOGEL'SON, Lazar' Izrailevich, zasl. deyatel' nauki RSFSR. Prinimali uchastiye: GONCHAROVA, R.P.; KRASAVINA, G.L.; LEBEDEVA, O.V., kand. med. nauk; NOTKINA, F.Ya., red.

[Work capacity and indications for job placement in diseases of the cardiovascular system; scientific methodological fundamentals] Trudosposobnost' i pokazaniia k trudoustroistvu pri zabolevanii serdechno-sosudistoi sistemy; nauchno-metodicheskie osnovy. Moskva, Meditsina, 1964. 243 p. (MIRA 17:5)

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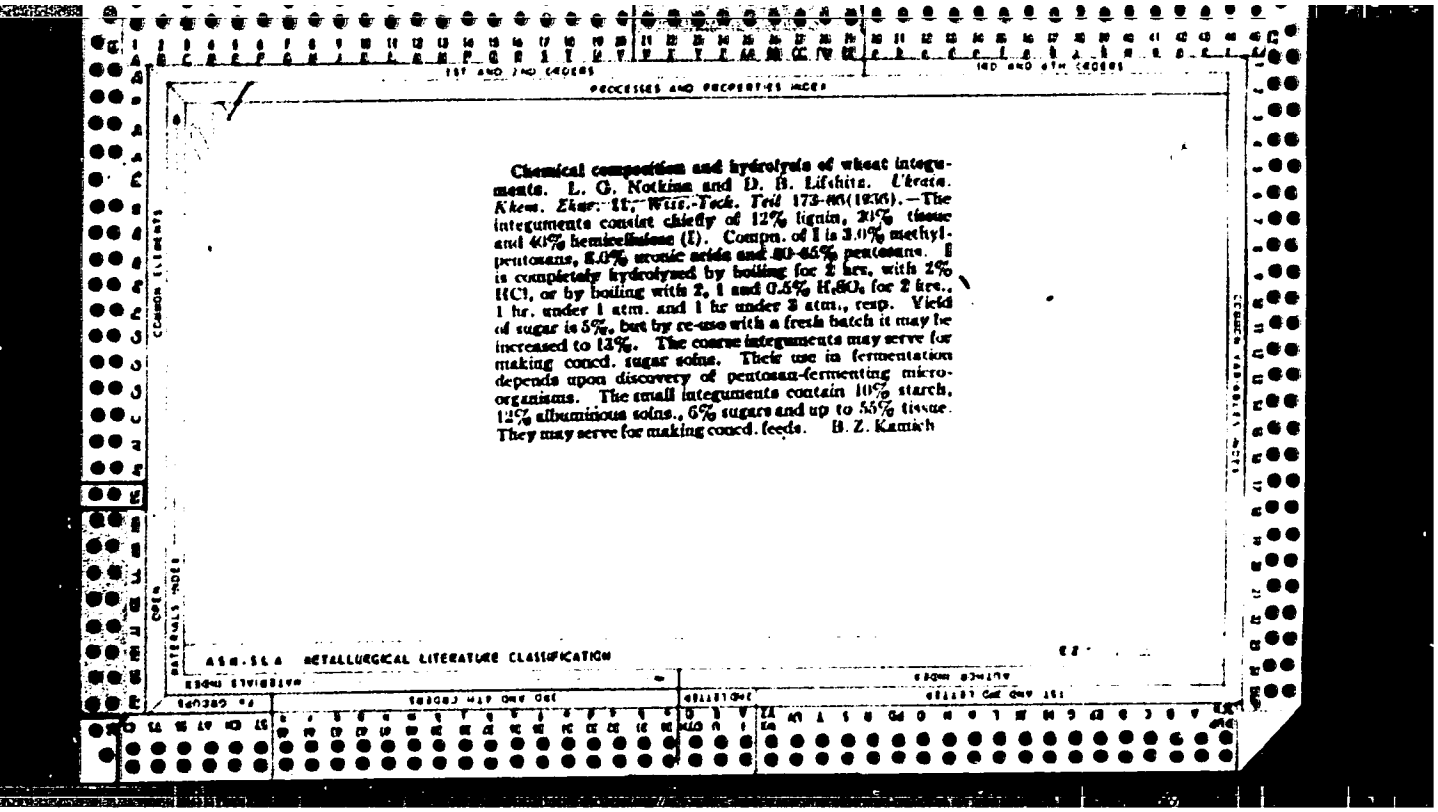
ACCESSION NR: AP5008545

point. This heat-transfer agent is heated to 130-160°C. The Author's Certificate also covers a modification of this method in which the articles go from the vat to an air vulcanization chamber in order to reduce the length of the heating bath.

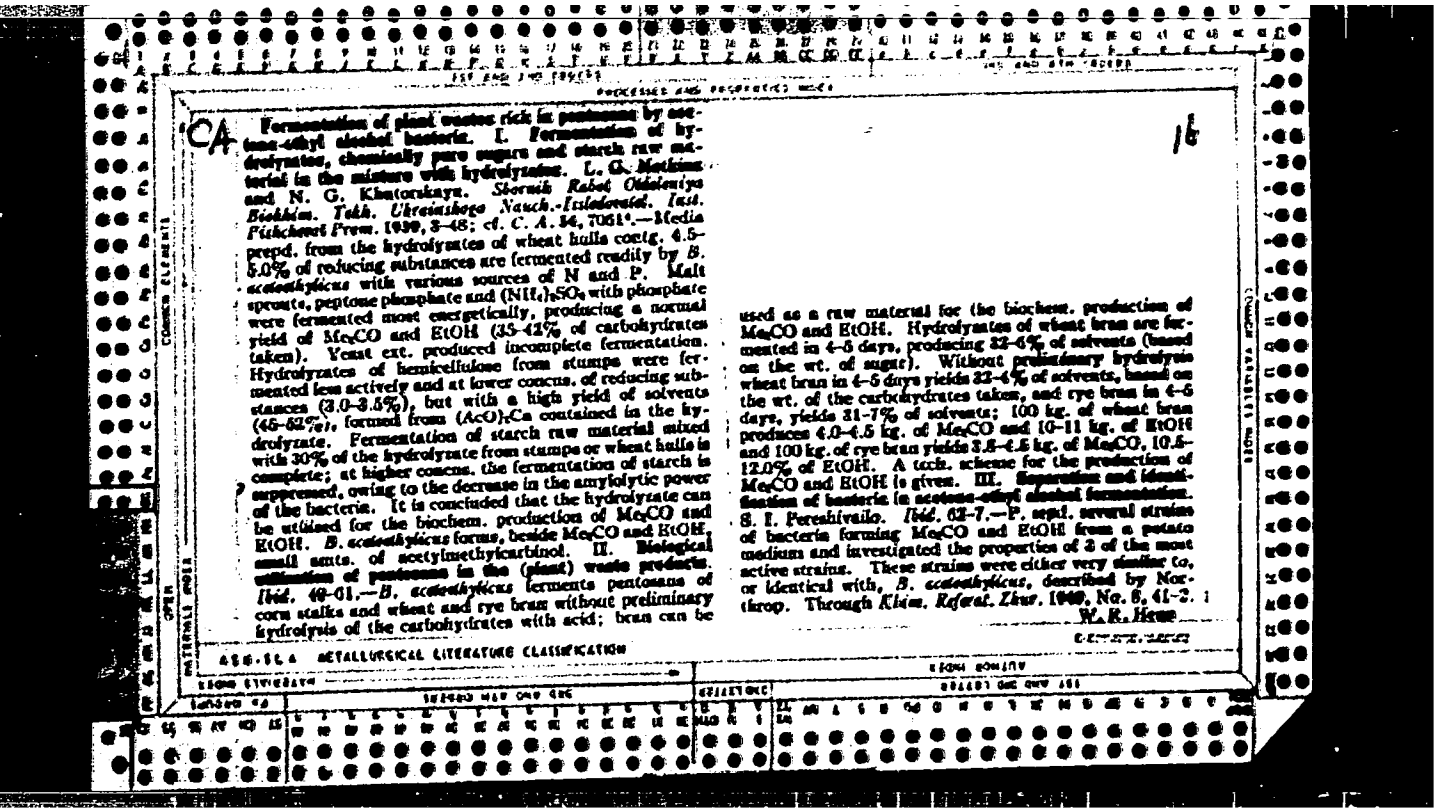
ASSOCIATION: none

SUBMITTED: 04Nov55 ENCL: 00 SUB CODE: MT, GC

NO REF SOV: 000 OTHER: 000



Chemical composition and hydrolysis of wheat integuments. L. G. Notkina and D. B. Lifshitz. *Ukrain. Khem. Zhur.* 11, *Wiss.-Tech. Teil* 173-80(1936).—The integuments consist chiefly of 12% lignin, 20% tissue and 40% hemicelluloses (I). Compn. of I is 3.0% methylpentosans, 8.0% uronic acids and 60-65% pentosans. I is completely hydrolyzed by boiling for 2 hrs. with 2% HCl, or by boiling with 2, 1 and 0.5% H_2SO_4 for 2 hrs., 1 hr. under 1 atm. and 1 hr under 3 atm., resp. Yield of sugar is 5%, but by re-use with a fresh batch it may be increased to 13%. The coarse integuments may serve for making concd. sugar solns. Their use in fermentation depends upon discovery of pentosan-fermenting microorganisms. The small integuments contain 10% starch, 12% albuminous solns., 6% sugars and up to 55% tissue. They may serve for making concd. feeds. B. Z. Kamich



CA

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Fermentation of plant wastes rich in pentosans by acetone-ethyl alcohol bacteria. I. Fermentation of hydrolyzates, chemically pure sugars and starch raw material in the mixture with hydrolyzates. L. G. Mochina and N. G. Klutorskaya. *Sbornik Rabot Otdeleniya Biokhim. Tekh. Ukrainskogo Nauch.-Issledovatel. Inst. Pishchevt Prom.* 1939, 3–48; *cf. C. A.* 34, 7061⁸.—Medium prepd. from the hydrolyzates of wheat hulls contg. 4.5–5.0% of reducing substances are fermented readily by *B. acetoethylicus* with various sources of N and P. Malt sprouts, peptone phosphate and $(NH_4)_2SO_4$ with phosphate were fermented most energetically, producing a normal yield of Me_2CO and EtOH (35–42% of carbohydrates taken). Yeast ext. produced incomplete fermentation. Hydrolyzates of hemicellulose from stumps were fermented less actively and at lower concns. of reducing substances (3.0–3.5%), but with a high yield of solvents (46–52%), formed from $(AcO)_2Ca$ contained in the hydrolyzate. Fermentation of starch raw material mixed with 30% of the hydrolyzate from stumps or wheat hulls is complete; at higher concns. the fermentation of starch is suppressed, owing to the decrease in the amylolytic power of the bacteria. It is concluded that the hydrolyzate can be utilized for the biochem. production of Me_2CO and EtOH. *B. acetoethylicus* forms, beside Me_2CO and EtOH, small amts. of acetylmethylcarbinol. **II. Biological utilization of pentosans in the (plant) waste products.** *Ibid.* 49–61.—*B. acetoethylicus* ferments pentosans of corn stalks and wheat and rye bran without preliminary hydrolysis of the carbohydrates with acid; bran can be used as a raw material for the biochem. production of Me_2CO and EtOH. Hydrolyzates of wheat bran are fermented in 4–5 days, producing 22–6% of solvents (based on the wt. of sugar). Without preliminary hydrolysis wheat bran in 4–5 days yields 22–4% of solvents, based on the wt. of the carbohydrates taken, and rye bran in 4–5 days, yields 21–7% of solvents; 100 kg. of wheat bran produces 4.0–4.5 kg. of Me_2CO and 10–11 kg. of EtOH and 100 kg. of rye bran yields 3.8–4.5 kg. of Me_2CO, 10.5–12.0% of EtOH. A tech. scheme for the production of Me_2CO and EtOH is given. **III. Separation and identification of bacteria in acetone-ethyl alcohol fermentation.** S. I. Pereshivailo. *Ibid.* 62–7.—P. sepd. several strains of bacteria forming Me_2CO and EtOH from a potato medium and investigated the properties of 3 of the most active strains. These strains were either very similar to, or identical with, *B. acetoethylicus*, described by Northrop. Through *Khim. Referat. Zhur.* 1940, No. 5, 41–2.

W. R. Henn