SAVITSKAYA, N.V.; SHCHUKIN, M.N.

Synthesis of the derivatives of p-oxybenzenesulfonic acid. Zhur. ob.khim. 24 no.11:2052-2055 N '54. (MLRA 8:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut im. S.Ordzhonikidze.
(Benzenesulfonic acid)

SHCHUKIN,M.P., inzhener; AKHMEDOVA,N.A., inzhener

Degradation of proteins during cottonseed processing by different technical systems. Masl.-zhir.prom.20 no.5:6-8 '55.
(MLRA 8:11)

1. TsKL Uzglavrasmaslo

(Proteins) (Cottonseed)

SHCHUKIN,M.N., inzhener, laureat Stalinskoy premii

Problem of economic operation of locomotive engines. Tekh.zhel. dor. 7 no.6:15-18 Je'48. (MLRA 8:11)
(Locomotives)

SHCHUKIN, M.N.

New rolling stock for railroads. Vest.mash. 41 no.9:3-6 S '61.
(MIRA 14:9)

1. Nachal'nik Upravleniya energeticheskikh i transportnykh mashin i oborudovaniya/Gosudarstvennogo Komiteta Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu.

(Railroads--Rolling stock)

SHCHUKIN, M.N., inzh.

Prospects of Soviet diesel locomotive production. Zhel.dor.transp. 43 no.4:27-32 Ap '61. (MIRA 14:3)

1. Nachal'nik Upravleniya energeticheskikh i transportnykh mashin Goskomiteta Soveta ministrov SSSR po avtomatizatsii i mashinostroyeniyu.
(Diesel locomotives)

SHCHUKIN, N.

In spite of difficulties. Sov. profsoiuzy 5 no.2:27-28 F '57.
(Electric machinery industry) (MLRA 10:4)

SHCHUKIN, N., inzh.-elektrik

Automatic control of electric lighting. Izobr.i rats. no.2:50 F '60. (MIRA 13:8)
(Electric lighting)
(Electric controllers)

SHCHUKIN, N.N., inzh.

Trench silos lined with precast reinforced concrete panels.
Biul. stroi. tekh. 12 no.4:6-7 Ap '55. (MIRA 11:12)

1.Stroitel'noye upravleniye No.4.
(Silos) (Concrete slabs)

ZHIDOVTSEV, N.A.; SHCHUKIN, N.V.

Comparison between the efficiency of deep turbodrilling and deep rotary drilling in the northwestern part of the Dnieper-Donets Lowland. Neft. i gaz. prom. 3:24-27 Jl-S '65.
(MIRA 18:11)

SHCHUKIN, O., inzh.

Preserved sunshine. Nauka i zhizn' 30 no.1:37 Ja '63.
(MIRA 16:4)

(Solar energy) (Limestone)

ROSHANSKIY, V.N., GORYUNOV, Yu.V., SHCHUKIN, O.D.

Characteristics of electrical conductivity changes in metal single crystals subjected to staggered deformation. Dokl. AN SSSR 105 no.1:80-82 N '55. (MLRA 9:3)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova, Kafedra kolloidnoy khimii. Predstavleno akademikom P.A. Rebinderom.
(Metallography) (Metals--Electric properties)

CHUBENKO, P.F., inzh.; SHCHUKIN, O.F., inzh.

Coal production costs in hydraulic mining and in mining with conventional methods. Ugol'.prom. no.1:74-76 Ja-F '62. (MIRA 15:8)

1. Institut gordnogo dela AN UkrSSR.
(Coal mines and mining—Costs)

SHCHUKIN, O.F., gornyy inzh.

Analyzing the rock pressure phenomenon in longwalls mined with cutter-loaders and coal plows. Ugol' Ukr. 5 no.4:25-26 Ap '61. (MIRA 14:4)

1. Institut gornogo dela AN USSR.
(Rock pressure) (Coal mines and mining)

SHCHUKIN, O.G., inzh.

Air conditioning in operating rooms. Gig. i san. 23 no.9:59-60 S'58 (MIRA 11:11)

(OPERATING ROOMS,
air conditioning (Rus))
(VENTILATION,
air conditioning in operating rooms (Rus))

AUTHOR: Shchukin, O., Engineer

SOV/29-58-8-3/23

TITLE: The Artificial Climate (Iskusstvennyy klimat)

PERICDICAL: Tekhnika molodezhi, 1958, Nr 8, pp 5-6 (USSR)

ABSTRACT: The author writes that the production of an artificial climate had been looked upon as belonging into the realm of fancy until quite recently. A new and not yet independent branch of technology, air conditioning, is beginning to make this dream to appear realizable. An artificial climate is created by means of a special construction known in engineering circles as air-conditioning plant. It has hitherto not been introduced on a very large scale because refrigerating plants are very expensive. A small home-conditioner is much more expensive than a refrigerator. In order to make air conditioning plants accessible to a larger circle of customers, it is necessary to produce a refrigerating machine without an expensive compressor. It stands to reason that not very low temperatures will be attained by means of such a plant, but this is not necessary for the purpose of air conditioning. It is sufficient if the purified air is sent through the middle ventilator in the heat exchanger and that water circulates as a coolant at a temperature

Card 1/2

of 7-10°C. Such a machine already exists as may be seen from a colored illustration which is attached. The machine mentioned is a bromine-lithium absorption machine. The use of a tele-heating system for refrigeration opens up new perspectives for an increased use of conditioners. The creation of an artificial climate is necessary in chemical works, in works where high-precision instruments are produced, in metallurgical-, silicate-, and asbestos factories, in pits, as well as in textile-, tobacco-, and food factories. The production of artificial rubber, nylon, Kapron and Lavsan would be impossible without having air-conditioned works premises. The decision arrived at by the plenary assembly of the Central Committee of the Communist Party in May concerning the accelerated development of the chemical industry provides also for an accelerated development of this new branch of technology. There are 3 figures.

1. Air conditioning equipment--Production

SHCHUKIN, G.G., kand.tekhn.nauk

Calculation of the heat loss of basements built in permanently frozen soil. Vod. i san. tekh. no.8:5-8 Ag '65.
(MIRA 18:12)

L 38152-66 EWT(1)/T-2

ACC NR: AP6025678 SOURCE CODE: UR/0413/66/000/013/0146/0146

INVENTOR: Kuznetsov, I. D.; Shchukin, O. G.; Mitrokhin, V. M.; Nekrasov, L. M.

ORG: none

TITLE: Air conditioning system. Class 62, No. 183604

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 146

TOPIC TAGS: air conditioning equipment, aircraft cabin environment, auxiliary aircraft equipment

ABSTRACT: An Author Certificate has been issued for an air-conditioning system, such as could be used on a supersonic airliner. It consists of a sequentially placed air-

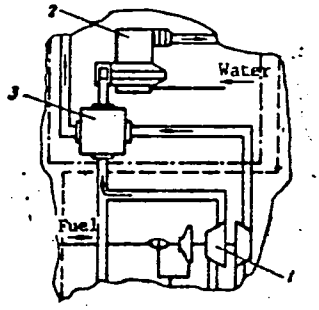


Fig. 1. Air conditioning system

1 - Turbocooling unit; 2 - humidifier; 3 - air-to-air cooler.

Card 1/2 UDC: 629.13.01/06.697.9

L 38152-66

ACC NR: AP6025678

to-air cooler, a fuel-to-air cooler, an evaporator, a turbocooling unit, and a humidifier (see Fig. 1). To increase the system's cooling efficiency, between the turbocooling unit and the humidifier is mounted an air-to-air cooler. Orig. art. has: 1 figure. [KT]

SUB CODE: 01/ SUBM DATE: 22May65/ ATD PRESS: 5044

14/

Card 2/2

SHCHUKIN, O.G.

Analytical studies of heat losses in structures placed underground or covered with earth under unsteady temperature conditions. Sbor.nauch.rab.AKKH no.12:135-146 '62. (MIRA 16:4)
(Heat—Conduction)
(Pipelines—Thermal properties)

SHCHUKIN, O.G., inzh.

Wind boils water. Nauka i zhizn' 28 no.4:17 Ap '61. (MIRA 14:5)
(Wind power) (Electric currents, Eddy)

SH[illegible]UKIN, [illegible]

Calculation of the depth of thawing of permafrost soils in foundation beds under [illegible] buildings and communal structures. Sbor. [illegible] no.16:108-152 '62. (MIRA 17:8)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001548920013-8"

SHCHUKIN, O.F.; CHUBENKO, P.F.

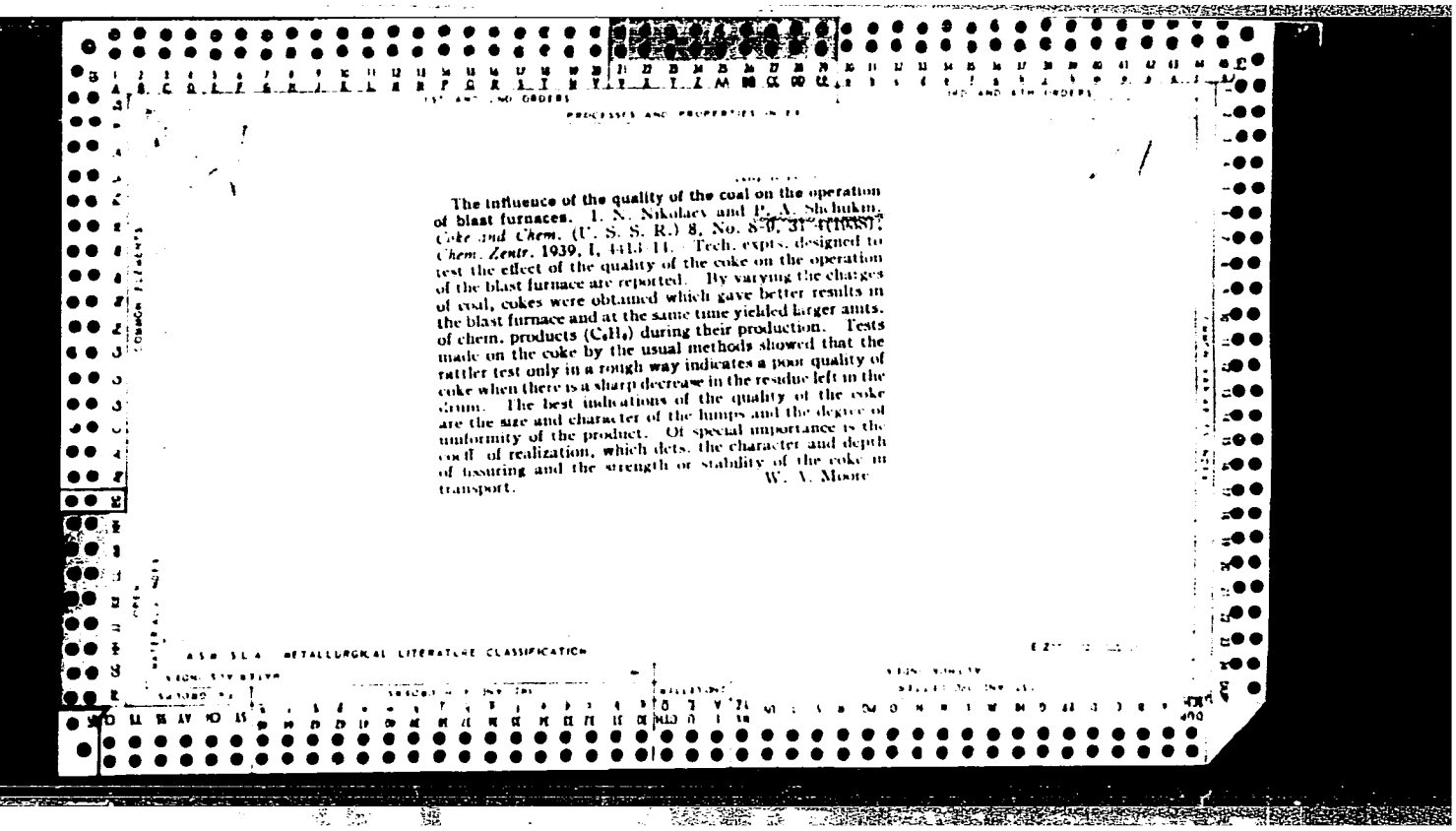
Determination of the distance between cutout stopes in hydromechanical mining. Trudy Inst.gor.dela AN URSR no.11:17-21 '62. (MIRA 16:2)

(Hydraulic mining)

SHCHUKIN, P.; ZUYKOVA, A.

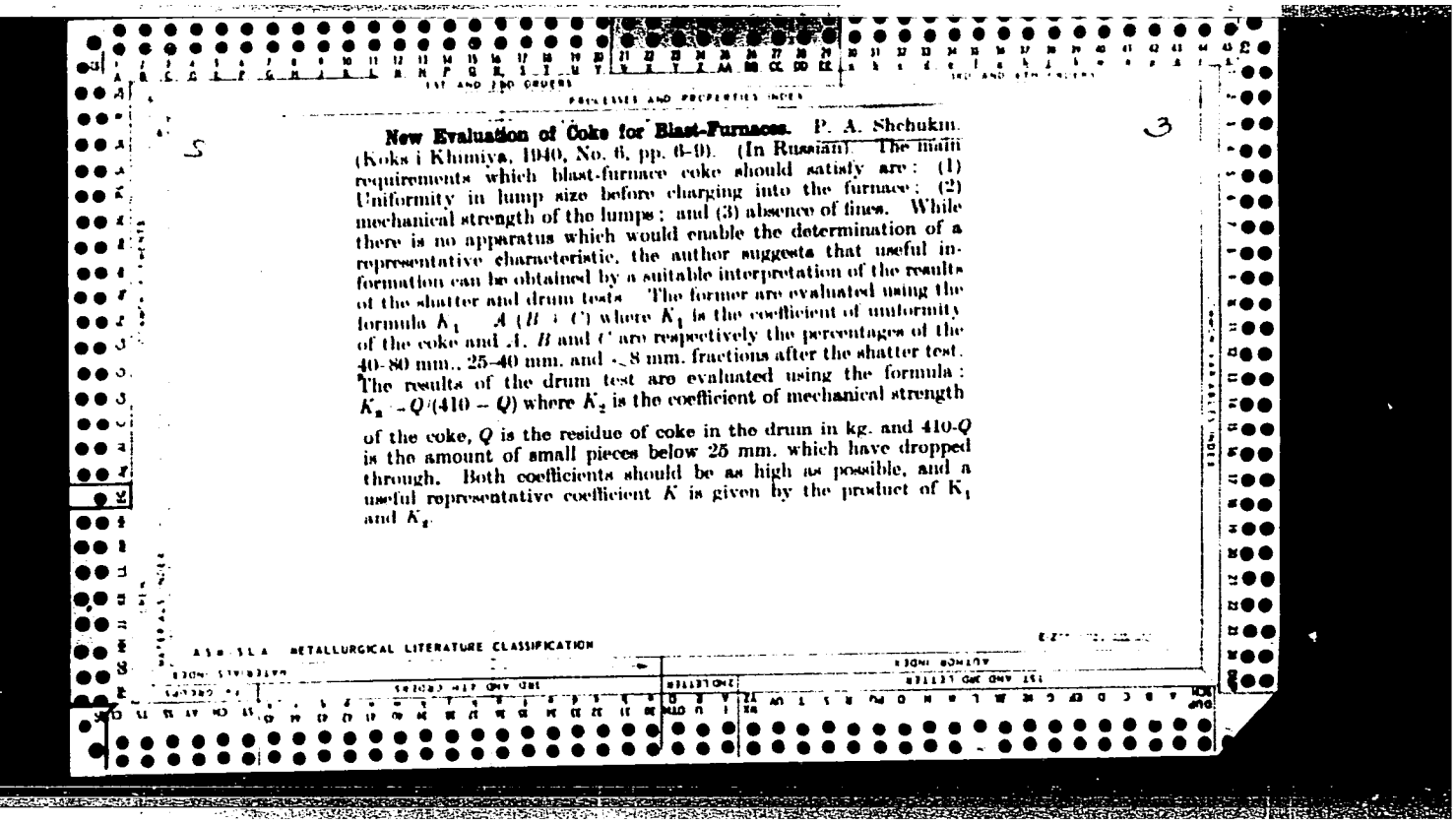
How we are improving the work of public bath establishments.
Zhil.-kom.khoz. 6 no.4:9-10 '56. (MLRA 9:8)

1. Direktor bani No. 1 goroda Vladimira (for Shchukin);
2. Starshiy inzhener Vladimirskogo oblkomkhoza (for Zuykova)
(Vladimir--Baths, Public)

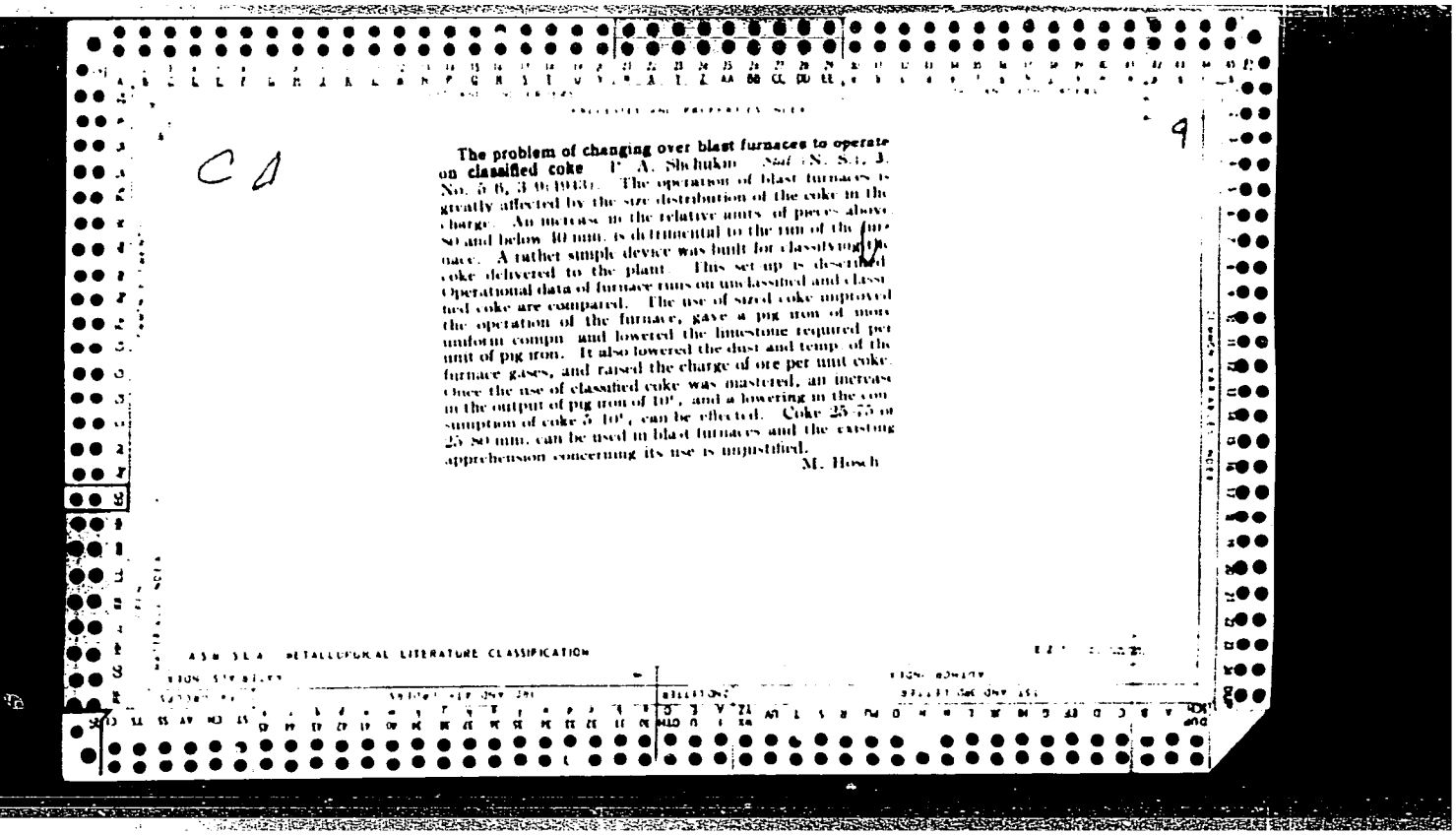


The influence of the quality of the coal on the operation of blast furnaces. I. N. Nikolaev and P. A. Shchukin. *Coke and Chem.* (U. S. S. R.) 8, No. 8-9, 31-4 (1938); *Chem. Zentr.* 1939, I, 4413. Tech. expts. designed to test the effect of the quality of the coke on the operation of the blast furnace are reported. By varying the charges of coal, cokes were obtained which gave better results in the blast furnace and at the same time yielded larger amts. of chem. products (C_6H_6) during their production. Tests made on the coke by the usual methods showed that the rattler test only in a rough way indicates a poor quality of coke when there is a sharp decrease in the residue left in the drum. The best indications of the quality of the coke are the size and character of the lumps and the degree of uniformity of the product. Of special importance is the coeff. of realization, which dets. the character and depth of fissuring and the strength or stability of the coke in transport.

W. V. Moore



New Evaluation of Coke for Blast-Furnaces. P. A. Shchukin. (Koks i Khimiya, 1940, No. 6, pp. 6-9). (In Russian). The main requirements which blast-furnace coke should satisfy are: (1) Uniformity in lump size before charging into the furnace; (2) mechanical strength of the lumps; and (3) absence of fines. While there is no apparatus which would enable the determination of a representative characteristic, the author suggests that useful information can be obtained by a suitable interpretation of the results of the shatter and drum tests. The former are evaluated using the formula $K_1 = A(B + C)$ where K_1 is the coefficient of uniformity of the coke and A, B and C are respectively the percentages of the 40-80 mm., 25-40 mm. and <25 mm. fractions after the shatter test. The results of the drum test are evaluated using the formula: $K_2 = Q/(410 - Q)$ where K_2 is the coefficient of mechanical strength of the coke, Q is the residue of coke in the drum in kg. and $410-Q$ is the amount of small pieces below 25 mm. which have dropped through. Both coefficients should be as high as possible, and a useful representative coefficient K is given by the product of K_1 and K_2.



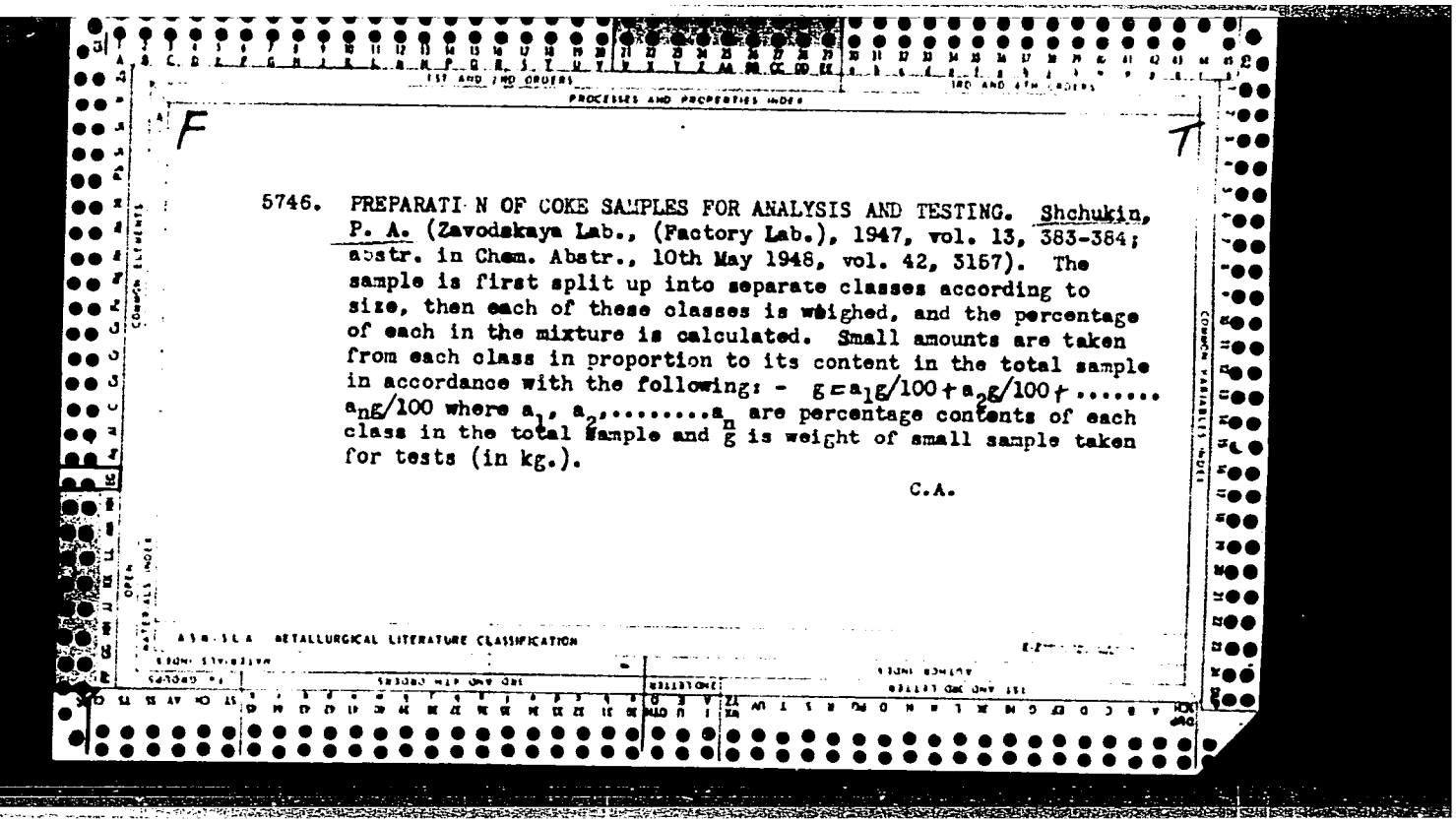
C 1

9

The problem of changing over blast furnaces to operate on classified coke P. A. Shchukin *Stal'* (N. S.), 3, No. 5/6, 3-9 (1933). The operation of blast furnaces is greatly affected by the size distribution of the coke in the charge. An increase in the relative amts. of pieces above 80 and below 40 mm. is detrimental to the run of the furnace. A rather simple device was built for classifying the coke delivered to the plant. This set up is described. Operational data of furnace runs on unclassified and classified coke are compared. The use of sized coke improved the operation of the furnace, gave a pig iron of more uniform compn. and lowered the limestone required per unit of pig iron. It also lowered the dust and temp. of the furnace gases, and raised the charge of ore per unit coke. Once the use of classified coke was mastered, an increase in the output of pig iron of 10%, and a lowering in the consumption of coke 5–10%, can be effected. Coke 25–75 or 25–80 mm. can be used in blast furnaces and the existing apprehension concerning its use is unjustified.

M. Hosch

ASM SLA METALLURGICAL LITERATURE CLASSIFICATION

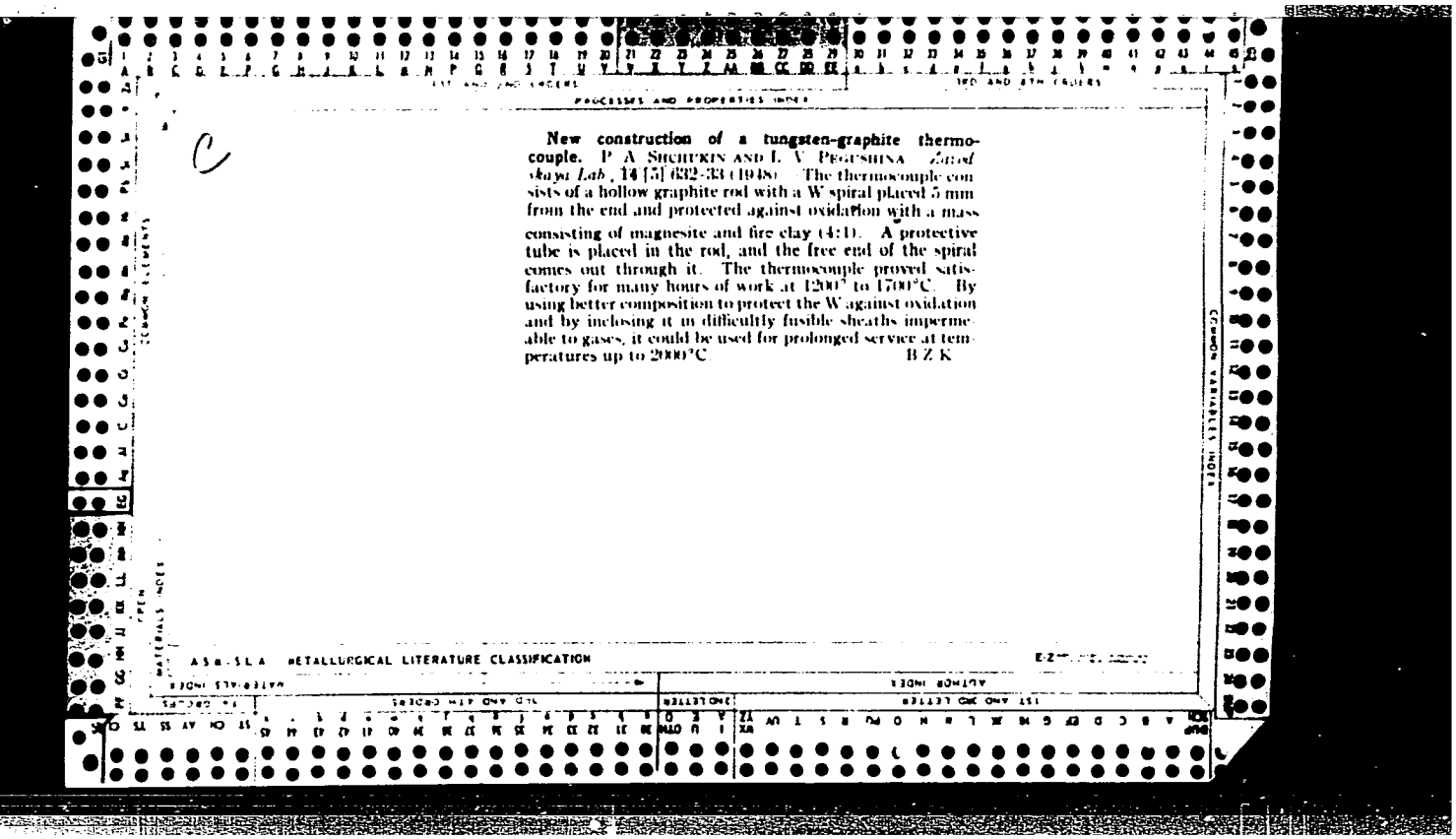


F

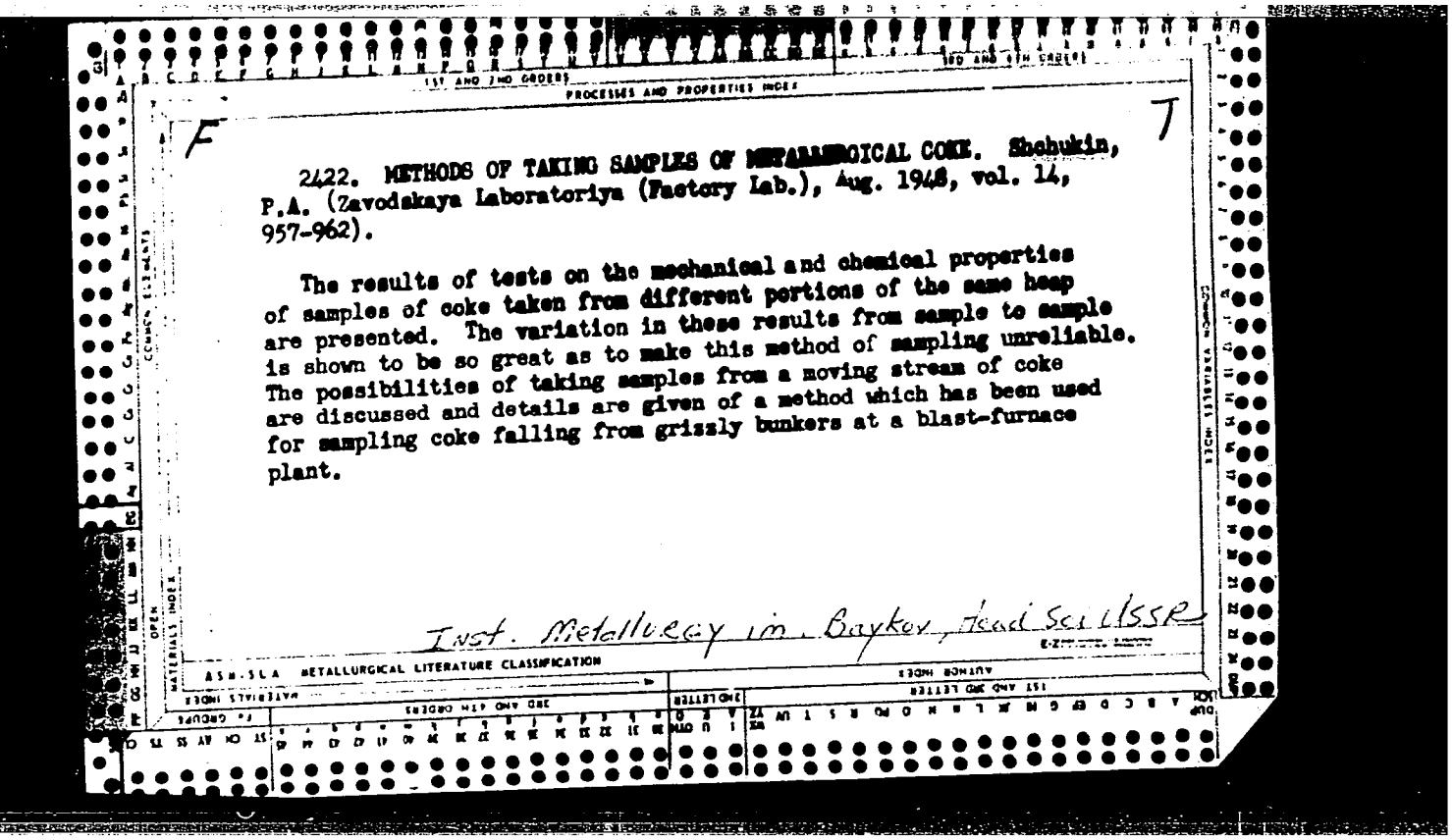
T

5746. PREPARATI N OF COKE SAMPLES FOR ANALYSIS AND TESTING. Shchukin, P. A. (Zavodskaya Lab., (Factory Lab.), 1947, vol. 13, 383-384; abstr. in Chem. Abstr., 10th May 1948, vol. 42, 3167). The sample is first split up into separate classes according to size, then each of these classes is weighed, and the percentage of each in the mixture is calculated. Small amounts are taken from each class in proportion to its content in the total sample in accordance with the following: - $g = a_1 g/100 + a_2 g/100 + \ldots\ldots a_n g/100$ where $a_1, a_2, \ldots\ldots a_n$ are percentage contents of each class in the total sample and g is weight of small sample taken for tests (in kg.).

C.A.



New construction of a tungsten-graphite thermocouple. P A Shchukin and L V Pegushina *Zavod skaya Lab*, 14 [5] 632-33 (1948) The thermocouple consists of a hollow graphite rod with a W spiral placed 5 mm from the end and protected against oxidation with a mass consisting of magnesite and fire clay (4:1). A protective tube is placed in the rod, and the free end of the spiral comes out through it. The thermocouple proved satisfactory for many hours of work at 1200° to 1700°C. By using better composition to protect the W against oxidation and by inclosing it in difficultly fusible sheaths impermeable to gases, it could be used for prolonged service at temperatures up to 2000°C B Z K



PROCESSES AND PROPERTIES INDEX

F J

2422. METHODS OF TAKING SAMPLES OF METALLURGICAL COKE. Shchukin, P.A. (Zavodskaya Laboratoriya (Factory Lab.), Aug. 1948, vol. 14, 957-962).

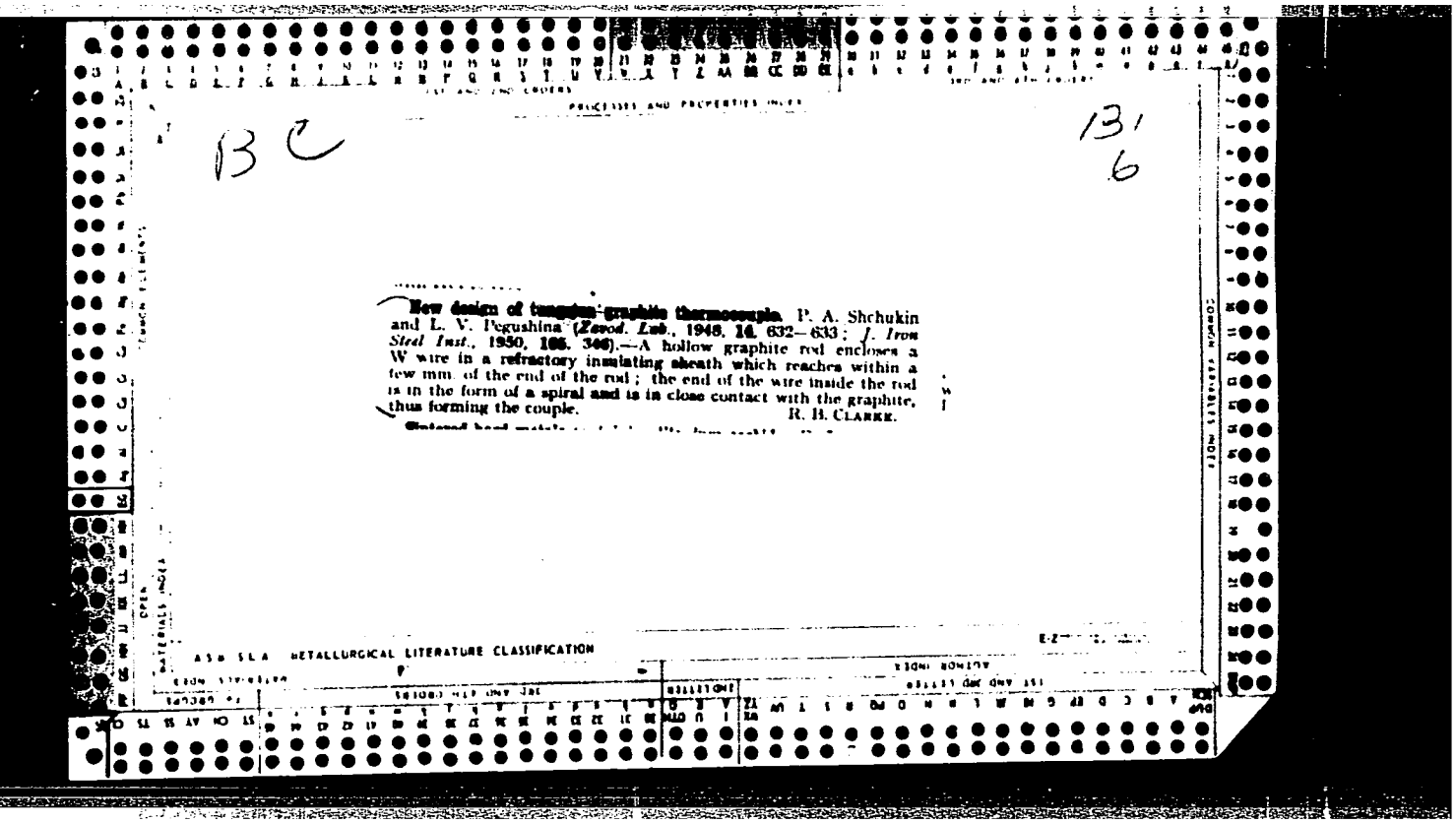
The results of tests on the mechanical and chemical properties of samples of coke taken from different portions of the same heap are presented. The variation in these results from sample to sample is shown to be so great as to make this method of sampling unreliable. The possibilities of taking samples from a moving stream of coke are discussed and details are given of a method which has been used for sampling coke falling from grizzly bunkers at a blast-furnace plant.

Inst. Metallurgy im. Baykov, Acad Sci USSR

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

Effect of the coarseness of coke on its combustion. P. A. Shchukin and I. V. Pegushina. *Izvest. Akad. Nauk S.S.S.R., Otdel. Tekh. Nauk* 1940, 1378-81.—The coarseness of coke has a major effect on the combustion process. As the particle size increases, the width of the combustion zone increases, the effective temp. decreases, and the ratio of CO_2 to CO at a significant distance from the furnace grate increases. The lower limit of particle size for metallurgical coke should be increased to 25–40 mm. H. K. I.

Inst. Metallurgy im. A. A. Baykov



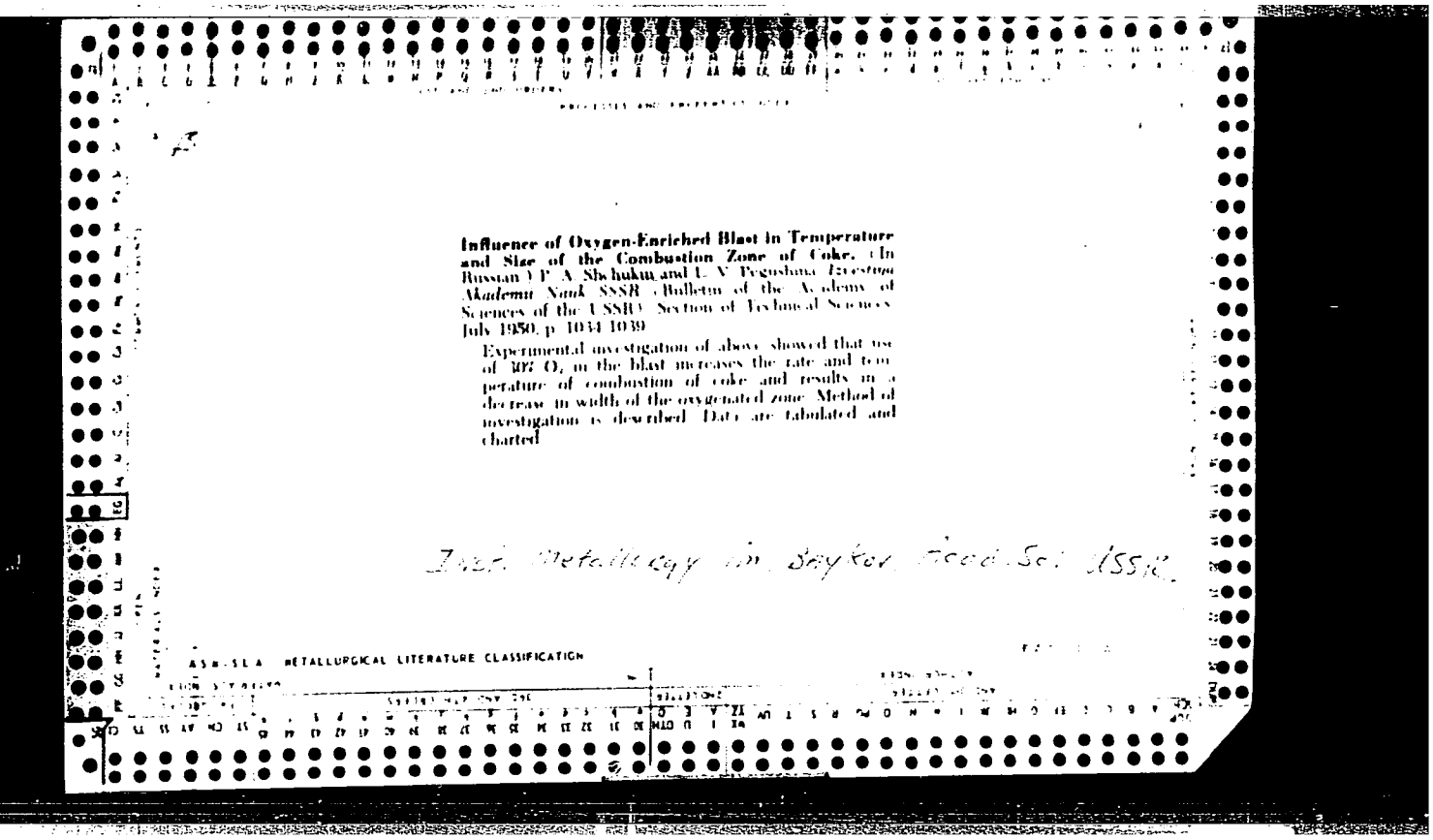
B C

13/6

New design of tungsten-graphite thermocouple. P. A. Shchukin and L. V. Pegushina (*Zavod. Lab.*, 1948, **14**, 632–633; *J. Iron Steel Inst.*, 1950, **166**, 346).—A hollow graphite rod encloses a W wire in a refractory insulating sheath which reaches within a few mm. of the end of the rod; the end of the wire inside the rod is in the form of a spiral and is in close contact with the graphite, thus forming the couple.

R. B. CLARKE.

ASM SLA METALLURGICAL LITERATURE CLASSIFICATION



Influence of Oxygen-Enriched Blast in Temperature and Size of the Combustion Zone of Coke. (In Russian) P. A. Shchukin and L. V. Pegushina. *Izvestiya Akademii Nauk SSSR* (Bulletin of the Academy of Sciences of the USSR) Section of Technical Sciences, July 1950, p. 1034-1039

Experimental investigation of above showed that use of 30% O_2 in the blast increases the rate and temperature of combustion of coke and results in a decrease in width of the oxygenated zone. Method of investigation is described. Data are tabulated and charted.

Inst. Metallurgy im. Baykov. Acad. Sci. USSR.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

SHCHUKIN, P.A.

USSR/Chemical Technology. Chemical Products and Their Application -- Treatment of solid mineral fuels, I-12

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5460

Author: Shchukin, P. A.

Institution: Institute of Mineral Fuels Academy of Sciences USSR

Title: Improvement of the Quality of Coke by Sorting in Two Classes

Original Publication: Tr. In-ta goryuchikh iskopayemykh AN SSSR, 1955, 6, 178-187

Abstract: To improve the quality of coke and increase the rate of operation of blast furnaces (BF) there is proposed a method of mechanical sorting of metallurgical coke in two classes: 1st class, 25-75 or 20-80 mesh, and 2nd class, +75 or +80 mesh. Sorting was carried out on coke grading and the yield of 1st class amounted to 43-50%. Experimental smelting operations carried out at a number of metallurgical plants have revealed a number of advantages in the use of sorted coke in lieu of the conventionally utilized: better BF runs, increased gas-permeability of the batch materials, production of pig

Card 1/2

SOV/137-57-11-20855 D

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 11, p 30 (USSR)

AUTHORS: Shchukin, P.A.

TITLE: New Principles in Investigating the Properties of Metallurgical Coke (Novyye printsipy issledovaniya svoystv metallurgicheskogo koksa)

ABSTRACT: Bibliographic entry on the Author's dissertation for the degree of Doctor of Technical Sciences, presented to the In-t goryuchikh iskopayemykh AN SSSR (Institute of Mineral Fuels, Academy of Sciences, USSR), Moscow, 1956

ASSOCIATION: In-t goryuchikh iskopayemykh AN SSSR (Institute of Mineral Fuels, Academy of Sciences, USSR), Moscow

Card 1/1

Shchukin, P. A. Doc Tech Sci -- (diss) "New Principles of the Study of the Properties of Metallurgical Coke." Mos, 1957. 48 pp 22 cm. (Academy of Sciences USSR, Inst of Combustible Minerals), 150 copies (KL, 17-57, 96)

SHCHERBIN, P.A.

"Thermomechanic Properties of Metallurgical Coke,"
paper submitted for the 1st National Congress. Czechoslovk Scientific Technical Society for Fuel Utilization. Karlovy Vary. Czechoslovakia, 12-17 May 58.

68-58-4-16/21

AUTHORS: Filippov, E. S., Candidate of Technical Sciences, Gazonov, S. A., Engineer and Shchukin, P. A., Candidate of Technical Sciences

TITLE: Summary of the Conference of Workers of the Coking Industry in Poland (Itogi konferentsii rabotnikov koksokhimicheskoy promyshlennosti v Pol'she)

PERIODICAL: Koks i Khimiya, 1958, Nr 4, pp 54-58 (USSR)

ABSTRACT: The conference took place on October 26 to November 2, 1957. More than 200 delegates were present. The problems of recources of coking raw materials, improvements in the production of coke, and new methods of coking gas and non-coking long flame coals were mainly discussed. The contents of the papers read are given in general terms.

1. Coal--Processing 2. Coke--Production

Card 1/1

SOV/68-58-9-19/21

AUTHOR: Shchukin, P.A. (Candidate of Technical Science)

TITLE: The First Conference of the Workers of the Fuel Industry of the Czechoslovakian People's Republic (Pervyy s"yezd rabotnikov toplivnoy promyshlennosti Chekhoslovatskoy narodnoy respubliki)

PERIODICAL: Koks i Khimiya, 1958, Nr 9, p 59 (USSR)

ABSTRACT: The conference took place on 12-17th May 1958 in Karlovy Vary. A brief note on the conference is given.

ASSOCIATION: IGI AN SSSR

Card 1/1

SOV/68-58-12-18/25

AUTHOR: Zashkvara, V.G., Gryaznov, N.S. and Shchukin, P.A. (Candidates of Technical Science)

TITLE: The First Conference of the Workers of the Fuel Industry of Czechoslovakia (Pervyy s"yezd rabotnikov toplivnoy promyshlennosti Chekhoslovakii)

PERIODICAL: Koks i Khimiya, 1958, Nr 12, pp 50-52 (USSR)

ABSTRACT: An outline of the proceedings of the conference which took place on the 12-17th May 1958 is given.

ASSOCIATIONS: UKhIN, VUKhIN and IGI AN SSSR

Card 1/1

SHCHUKIN, P.

TECHNOLOGY

Periodical: PALIVA. Vol. 38, no. 9, Sept. 1958

SHCHUKIN, P. Thermomechanical properties of metallurgic coke. Tr. from Russian. p. 299.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3
March 1959 Unclass.

SHCHUKIN, P.A.

Laboratory methods of determining the properties of shaped fuel.
Trudy IGI 10:201-205 '59. (MIRA 12:12)
(Coke--Testing)

SHCHUKIN, P.P., inzhener, red.

Possibility of using vibration to intensify the heating and briquetting of coals. Trudy IGI 20:215-217 '63. (MIRA 17:8)

[illegible]ARSVICH, [illegible]; SHCHUKIN, [illegible]; TSIKAREV, D.A.

Effect of cooling coal briquets on the physicomechanical properties of coke. Trudy IGI 20:140-144 '63. (MIRA 17:8)

SHCHUKIN, P.I., kand.med.nauk; KOSHELEVA, L.I.

Infrared spectra of some snake venoms; preliminary report. Trudy 1-go MMI 41:36-44 '65.

(MIRA 18:12)

SHCHUKIN, P.I., kand.med.nauk

Liambliasis of the biliary tract. Trudy 1-go MMI 41:106-110 '65.

Time of genesis and the rates of manifestation of malignant tumor. Ibid.:153-161

Symptom of osteoarthropathy in primary cancer of the lungs. Ibid.:162-165 (MIRA 18:12)

SHCHUKIN, P.I., kand.med.nauk; KROKHALEV, A.A.

Problems of mineral metabolism in gerontology. Trudy 1-go MMI 41:175-180 '65. (MIRA 18:12)

SHCHUKIN, P.N., inzhener.

Electric insulation industry on the thirtieth anniversary of the Great Socialist October Revolution. Vest.elektroprom. 18 no.11:23-25 N '47. (MLRA 6:12)

1. Glavelektroizolyatorprom MEP.
(Electric insulators and insulation)

SHCHUKIN, Petr Dmitriyevich; KAYMAN, S.Ya., red.; BOGOSLAVETS, N.P., tekhn. red.

[Modernization of industrial equipment] Modernizatsiia zavodskogo oborudovaniia, Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1962. 157 p. (MIRA 15:4)

1. Uralvagonzavod, Nizhniy Tagil.
(Nizhniy-Tagil--Industrial equipment--Technological innovations)

SHCHUKIN, P. I., (Moskva, Zubovskiy bul'var, d. 37, kv. 64); ZHDANOV, V. S.

Calcinoses penetrating through the wall of the bronchi. Grud. khir. no.2:81-83 '62. (MIRA 15:4)

1. Iz kliniki obshchey khirurgii (zav. - prof. V. I. Struchkov) I Moskovskogo meditsinskogo instituta imeni I. M. Sechenova i patologoanatomicheskogo otdeleniya (zav. - deystvitel'nyy chlen AMN SSSR prof. I. V. Davydovskiy) bol'nitsy No. 23 (glavnyy vrach A. N. Lobanova).

(BRONCHI--CALCIFICATION)

SHCHUKIN, P.I.

Clinical anatomical parallels in lung cancer. Sov.med. 26 no.8:67-72 Ag '62. (MIRA 15:10)

1. Iz kliniki obshchey khirurgii (zav. - chlen-korrespondent AMN SSSR prof. V.I.Struchkov) lechebnogo fakul'teta I Moskovskogo meditsinskogo instituta imeni I.M.Sechenova na baze bol'nitsy No.23 imeni Medsantrud (glavnyy vrach A.N.Lobanova).
(LUNGS--CANCER)

FYRLINA, Nina Petrovna, kand. med.nauk; SHCHUKIN, P.I., red.; ZAGOREL'SKIY, Ya.I., tekhn. red.

[Medicolegal examination of material evidence; laboratory manual for students] Sudebnomeditsinskoe issledovanie veshchestvennykh dokazatel'stv; praktikum dlia studentov. Moskva, 1-i Mosk. med. in-t im. I.M.Sechenova, 1964. 63 p. (MIRA 17:3)

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001548920013-8

MELENT'EVA, Galina Aleksandrovna, avtor; [illegible], [illegible], [illegible];
[illegible], V.I., red.

[Pharmaceutical chemistry of certain natural substances with strong biological action; manual for students of pharmaceutical institutes (faculties)] Farmatsevticheskaia khimiia nekotorykh prirodnykh veshchestv s sil'nym biologicheskim deistviem; uchebnoe posobie dlia studentov farmatsevticheskogo instituta (fakul'tetov). Moskva, I-i Mosk. med. in-t im. I.M.Sechenova, [illegible]. [illegible] p.
([illegible])

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001548920013-8"

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Clinical, surgical and anatomical comparasions in a central form of primary lung cancer. Grudn. khir. 4 no.5:91-95 S-O'62 (MIRA 17:3)

1. Iz kliniki obshchey khirurgii (zav. - chlen-korrespondent AMN SSSR prof. V.I. Struchkov) I Moskovskogo meditsinskogo instituta imeni I.M. Sechenova.

[illegible]

MEDVEDEV, Ivan Alekseyevich; SHCHUKIN, Pavel Mikhaylovich; VALOV, N.A., redaktor; ISLENT'YEVA, P.G., tekhnicheskiy redaktor

[Work planning in pipe shops] Operativnoe planirovanie v trubnykh tsekhakh. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1957. 205 p. (MLRA 10:10)
(Pipe) (Rolling mills)

SHCHUKIN, P. M.
Min Higher Education USSR. Moscow Textile Inst. Moscow, 1956.

SHCHUKIN, P. M.- "Investigation of the process of drying dressed cotton yarn using a free stream of air, and the development of a design for a drying attachment to a dressing machine." Min Higher Education USSR. Moscow Textile Inst. Moscow, 1956. (Dissertation for the Degree of Candidate in Technical Sciences.)

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SHCHUKIN, P.M

Application of drying by means of blowing on sizing machine. Tr. from the Russian. p. 430.

MAGYAR TEXTILTECHNIKA. (Textilipari Muszaki es Tudomanyos Egyesulet) Budapest, Hungary, Vol. 10, no. 11/12, Dec. 1958.

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Uncla.

SHCHUKIN, P.M., kand.tekhn.nauk

Use of nozzle blowing for drying yarn after sizing. Tekst.prom. 18 no.4:23-26 Ap '58. (MIRA 11:4)
(Sizing (Textile))

SHCHUKIN, Petr Mikhaylovich; BELOV, V.P., kand.tekhn.nauk, retsenzent; AVERKIN, V.A., red.izd-va; CHERNOVA, Z.I., tekhn.red.; DEMKINA, N.F., tekhn.red.

[Basic trends in the design and construction of sizing machinery] Osnovnye napravleniia v konstruirovanii shlikhtoval'nykh mashin. Moskva, Mashgiz, 1962. 142 p. (MIRA 15:5)
(Textile machinery) (Sizing (Textile))

SHCHUKI[redacted], P.V., inzh.; SHCHITOV, I.A., inzh.

Device for the removal of discs from the shafts of ShMA and ShMT shaft mills. Energetik 10 no.2:13-14 F '62. (MIRA 15:2)
(Milling machinery--Maintenance and repair)

SHCHUKIN, P.V., inzh.

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Energetik 10 no.3:19-21 Mr '62.
(Furnaces--Cleaning)
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PEYSAKHOVICH, Yu.I., inzh.; ZAV'YALOV, V.V., inzh.; SHCHUKIN, P.V., inzh.

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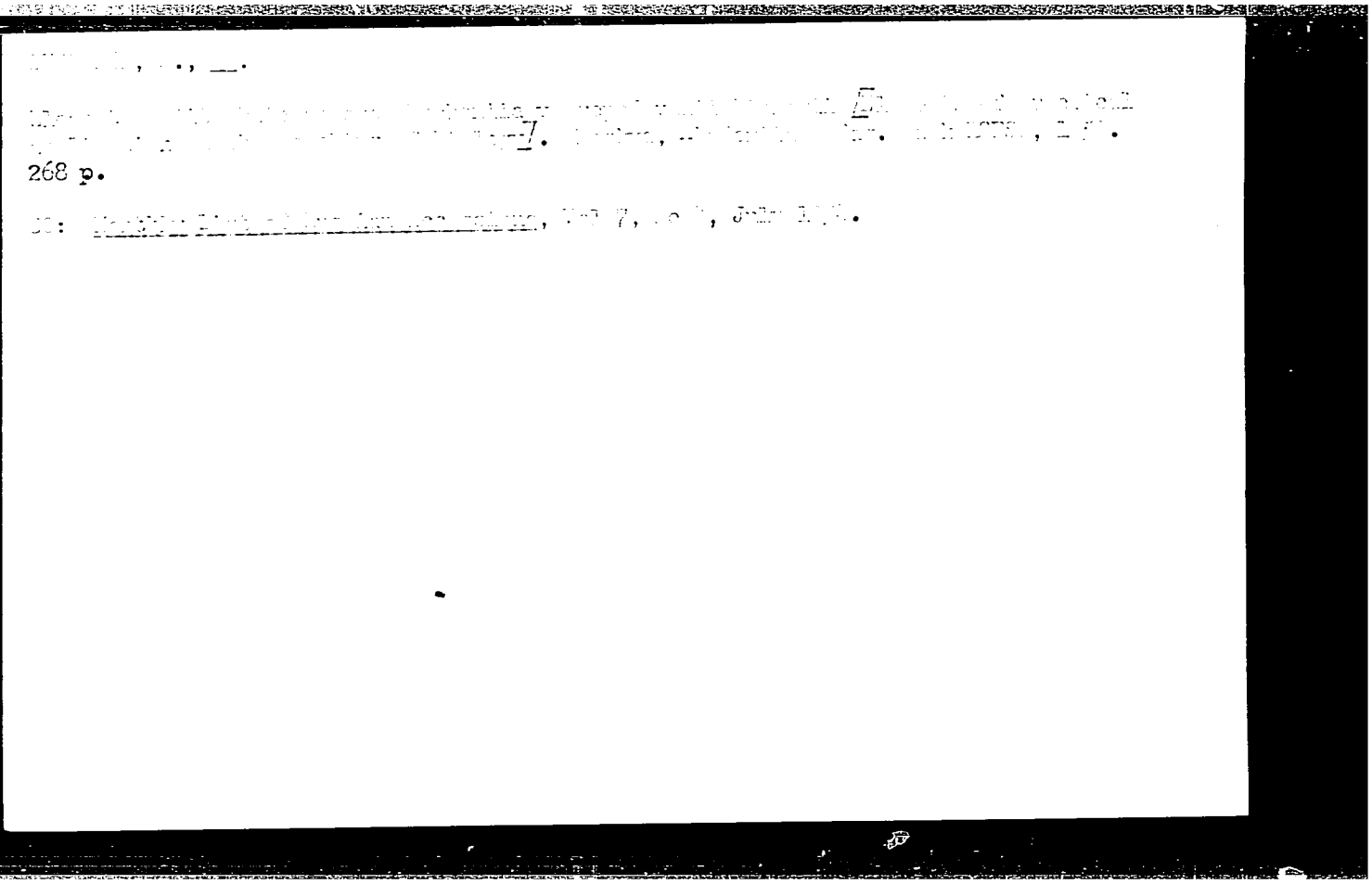
(Electric power distribution--Equipment and supplies)
(Electric power plants--Maintenance and repair)



268 p.

PLAVIL'SHCHIKOV, N.; SHCHUKIN, S.; KORCHAGINA, V.; RODINA, V.; BATSYLEV, Ye.; NEKRASOV, V.; TRET'YAKOV, N.; TAIROV, N.; LEL'KOV, P. [deceased]; SUKHOVERKHOV, F.; KHOTILOVSKAYA, L., red.; VOLYNTSEVA, V., tekhn.red.

[Calendar for the young naturalist] Kalendar' iunogo naturalista. Moskva, Izd-vo TsK VLKSM "Molodaia gvardiia," 1960. 358 p. (MIRA 13:7)

(Agriculture)

SHCHUKIN, S.; POPOLITOV, N., starshiy inzh.-tekhnolog

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(MIRA 14:6)

1. Nachal'nik otdela kapital'nogo stroitel'stva Voronezhskogo oblsel'khozupravleniya (for Shchukin).
(Voronezh Province—Roofing, Bituminous)

KRASIL'NIKOV, P. ...; LYKHOVICHNAYA, N. ...; LUCHNIKOV, I. A.; SHCHUKIN, ... I.
SHCHUKIN, ... I.

"The foundation of the highest part of the Dorogomilov Hotel in Moscow," Construction, 1952.

SHCHUKIN, S. I.

Uranium transfer in the formation of carbonate pichblende deposits. Zap. Vses. min. ob-va 91 no.3:253-259 '62. (MIRA 15:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut (VSEGEI), Leningrad.

(Uranium)

SHCHUKIN, S.I.

Possibility of using an iron oxidation coefficient for the classification of igneous rocks. Geokhimiia no.8:759-766 Ag '63. (MIRA 16:9)

1. All-Union Scientific Research Institute of Geology, Leningrad.

[redacted], N.K.; SHCHUKIN, S.I.; KOZYURENOK, L.A.

Varzob dike field in the Varzob and Kafirnigan interfluve in the southern Gissar Range (southern Tien Shan). Zap. Vses. min. ob-va 93 no.3:289-303 '64. (MIRA 18:3)

[redacted], G.I.

Faulting in the Khanaka-Kuffa interfluve of the Southern Gissar Range and the sequence of their development and mineralization. Sap. Tashk. otd. Vses. min. ob-va no.2:97-106 '64. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut.

SHCHUKIN, S.M.

DRUZHININ, N.S.; TSYLBOV, P.P.; SHKOL'NIK, K.A.; SHCHUKIN, S.M., dotsent, retsenzent; SHIKIN, S.V., kandidat pedagogicheskikh nauk, retsenzent; SHELKOVNIKOV, G.I., inzhener, redaktor; MODEL', B.I., tekhnicheskiy redaktor; POPOVA, S.M., tekhnicheskiy redaktor

[Course in mechanical drawing] Kurs cherchenila. Izd. 2-e, ispr. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry. Pt.1. [Geometric drawing; mechanical drawing technique and geometric construction] Geometricheskoe cherchenie; tekhnika cherchenila i geometricheskie postroenila. 1954. 220 p. (MLRA 7:9)
(Mechanical drawing)

DRUZHININ, N.S.; TSYLBOV, P.P.; SHCHUKIN, S.M., dotsent,retsenzent; SHIKIN, S.V., kandidat pedagogicheskikh nauk,retsenzent; SHELKOVNIKOV, G.I., inzhener, redaktor; POPOVA, S.M., tekhnicheskiy redaktor

[Course in drawing] Kurs cherchenila. Moskva, Gos. nauchno-techn. izd-vo mashinostroit. lit-ry. Pt.2.[Projection drawing (perpendicular, axonometric projection and technical drawing)] proektsionnoe cherchenie (priamougol'nye, aksonometricheskie proektsii i tekhnicheskoe risovanie). 1954. 323 p. (MLRA 8:7)
(Mechanical drawing)

CHALYY, Aleksandr Trofimovich; SHCHUKIN, S.M., dotsent, retsenzent; VAL'TSGAFEL, V.L., dotsent, kand.tekhn.nauk, red.; MAYEVSKIY, V.V., inzh., red.

[Course in descriptive geometry] Kurs nachertatel'noi geometrii. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 278 p. (MIRA 12:10)
(Geometry, Descriptive)

BORICHEVSKIY, Timofey Stepanovich; MATANOV, Vyacheslav Petrovich; PYZHEVICH, Leonid Mikhaylovich; SHCHUKIN, S.M., dotsent, retsenzent; BOL'SHAKOV, B.N., red.; CHERNOVA, Z.I., tekhn.red.

[Collection of exercises in projection drawing] Sbornik zadanii po proektsionnomu cherchéniiu. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 135 p. (MIRA 13:12)
(Projection)

DRUZHININ, Nikolay Sergeyevich; TSYLBOV, Petr Petrovich; SHKOL'NIK, Konstantin Abramovich; SHCHUKIN, S.M., dotsent, retsenzent; SHIKIN, S.V., kand.pedagog.nauk, retsenzent; SHELKOVNIKOV, G.I., inzh., red.; SMIRNOVA, G.V., tekhn.red.

[Course of drawing] Kurs cherchcniia. Izd.3., ispr. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry. Pt.1. [Geometrical drawing; drawing practice and geometrical constructions] Geometricheskoe cherchenie; tekhnika cherchcniia i geometricheskie postroeniia. 1960. 176 p. (MIRA 13:7)
(Geometrical drawing)

DRUZHININ, Nikolay Sergeyevich; TSYLBOV, Petr Petrovich; SHCHUKIN, S.M., dotsent, retsenzent; SHIKIN, S.V., kand.pedagog.nauk, retsenzent; SHELKOVNIKOV, G.I., inzh., red.; YEGORKINA, L.I., red.izd-va; SMIRNOVA, G.V., tekhn.red.

[Course in engineering drawing] Kurs cherchcniia. Izd.2., perer. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry. Pt.3. [Mechanical drawing] Mashinostroitel'noe cherchenie. 1960. 267 p. (MIRA 13:12)

(Mechanical drawing)

DRUZHININ, Nikolay Sergeyevich; TSYLBOV, Petr Petrovich; SHCHUKIN, S.M., dotsent, retsenzent; SHIKIN, S.V., kand.pedagog.nauk, retsenzent; SHELKOVNIKOV, G.I., inzh., red.; YEGORKINA, L.I., red.izd-va; SMIRNOVA, G.V., tekhn.red.

[Course in mechanical drawing] Kurs chercheniia. Izd.2., ispr. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry. Pt.2. [Projectional drawing; orthogonal, azonometric projections, and technical sketching] Proektsionnoe cherchenie; ortogonal'nye, aksonometricheskie proektsii i tekhnicheskoe risovanie. 1960. 311 p. (MIRA 13:9)

(Mechanical drawing)

CHALYY, Aleksandr Trofimovich; SHCHUKIN, S.M., dotsent, retsenzent;
FAL'TSGEFER, V.L., kand.tekhn.nauk, dotsent, red.;
BYKOVSKIY, A.I., inzh., red.

[Course in descriptive geometry] Kurs nachertatel'noi geometrii. Izd.2., ispr. Moskva, Mashgiz, 1962. 275 p. (MIRA 15:5)

(Geometry, Descriptive)

CHALYY, A.T.; SHCHUKIN, S.M., dots., retsenzent

[Course in descriptive geometry] Kurs nachertatel'noi geometrii. Izd.3., ispr. Moskva, Mashinostroenie, 1964. 278 p. (MIRA 18:4)

ACC NR: AT6036699 (A, N) SOURCE CODE: UR/0413/66/000/015/0062/0062

AUTHORS: Alekseyev, A. K.; Bezruk, I. A.; Bulanov, N. A.; Shchukin, S. N.; Klyuchkin, V. N.; Kulikov, A. V.; Molikadze, S. Ye.; Chinareva, O. M.; Yemel'yanov, A. M.; Mangirova, G. S.; Rosin, G. I. M.; Boltalin, A. P.; Zlatkovich, L. A.; Iova, G. M.; Sokolova, E. D.

ORG: none

TITLE: Geoelectric prospecting device. Class 21, No. 184361 [announced by All-Union Scientific Research Institute of Geophysical Prospecting Methods (Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki)]

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 62

TOPIC TAGS: prospecting, geologic instrument

ABSTRACT: This Author Certificate presents a geoelectric prospecting device containing a dc generator, a master oscillator, a thyratron bridge commutator, a reference phase synchropulse shaper unit, a radio station, and a measuring laboratory. The laboratory contains an electromagnetic field receiver, a calibration unit, a selective amplifier, a radio station, a synchropulse shaper unit, an electronic oscillograph, a recorder, a time setting unit, and a detector voltmeter. For generalized utilization of the device in the VP, MPP, and INFAZ methods, to increase the accuracy of measuring the phase angles in the infrasonic frequency range, and to increase the noise

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ACC NR: AP6029899

protection when measuring pulsed signals, a phase marker in the form of a diode regenerative comparator is placed in the measuring laboratory. The comparator is connected to the output of the selective amplifier. An input signal divider connected to the input of the selective amplifier is used in the calibration unit. A dc amplifier operating in the electrometric mode is connected between the register and recorder (see Fig. 1).

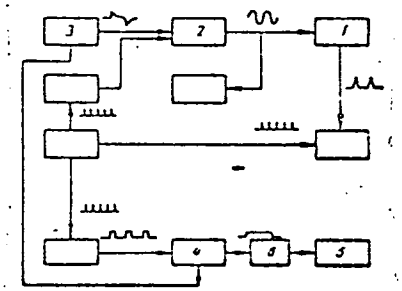

Fig. 1. 1 - phase marker; 2 - selective amplifier; 3 - calibration unit; 4 - register; 5 - recorder; 6 - dc amplifier

Orig. art. has: 1 diagram.

SUB CODE: 09/ 09/ SUBM DATE: 30Jun64

Card 2/2

CHCHUKIN, S. V.

Chchukin, S. V. Kruzh tsi na zla ite opitnitsi i uchenicheski; tematika i metodika na opitnata rabota sus uchenicheski i zhitni kulturi. Prevel ot 3. izd. G. Markov i Khr. Nedelkov. Sofiya (Narodna prosveta) 1954. 227 p. (Clubs for young plantbreeders; experimental work with vegetables and wheat culture)

SO: Monthly List of East European Accessions, L.C. Vol. 3 No. 1 Jan '54 Uncl.

SHCHUKIN, S. V.

School Gardens

Role of school grounds in the system of instruction. Est. v shkole No. 2, 1952.

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

[redacted], G. [redacted].

School gardens

Schedule of work on the educational-experimental plot and in the "nature corner." Est. v shkole No. 3, 1952.

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

[redacted], V. [redacted].

Botany-Study and Teaching

Autumn lessons in school gardens. Est. v shkole no. 4, 1952.

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

SHCHUKIN, S.V.

Organization of agricultural work of students in the school experimental plot. Est.v shkole no.2:58-64 Mr-Ap '54.
(MLRA 7:3)

1. Institut teorii i istorii pedagogiki Akademii pedagogicheskikh nauk RSFSR. (School gardens)

BULATOV, N.P., redaktor; [illegible], F.F.; MALYSHEV, [illegible] MEL'NIKOV, M.I.; SKATKIN, M.N.; STAVROVSKIY, A.Ye., SHIBANOV, A.A.; SHCHUKIN, S.V.; GONCHAROV, N.K., redaktor; TITKOV, [illegible], redaktor; [illegible], tekhnicheskiy redaktor.

[General technical training in secondary schools; work practice of city and rural schools] Politekhnicheskoe obuchenie v srednei shkole; iz opyta raboty gorodskikh i sel'skikh shkol. Moskva, 1956. 279 p. (MLRA 9:5)

1.Akademiya pedagogicheskikh nauk RSFSR, Moscow.
(Technical education)

SUNDUKOV, N.A.; SHCHUKIN, S.V.; BELOVA, M.L., redaktor; GARNEK, V.P., tekhnicheskiy redaktor

[Experience with teaching general science in rural schools; a collection of articles] Opyt politekhnicheskogo obucheniia v sel'skoi shkole; sbornik statei. Pod red. S.V.Shchukina. Moskva, 1956 325 p. (MLRA 10:1)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut teorii i istorii pedagogiki.
(Technical education)

SHCHUKIN, S.V.

Rural schools of general education and socialist agriculture. (MLRA 9:5)
Est.v shkole no.1:3-10 Ja-F '56.

1. Akademiya pedagogicheskikh nauk RSFSR.
(Rural schools)

SHCHUKIN, S.V.

The school experimental plot is an important element of technical education. Est.v shkole no.3:32-38 My-Je '56. (MLRA 9:8)

1. Starshiy nauchnyy sotrudnik Instituta teorii i istorii pedagogiki Akademii pedagogicheskikh nauk RSFSR.
(Agriculture--Study and teaching)

SHCHUKIN, Sergey Vasil'yevich; SMIRNOV, V.Z., red.; PROFERANSOVA, N.V., red.; TARASOVA, V.V., tekhn.red.

[Socially useful work of students in agriculture] Obshchestvenno poleznyi trud uchashchikhsia v sel'skom khoziaistve. Pod red. V.Z.Smirnova. Moskva, Izd-vo Akad.pedagog.nauk RSFSR, 1957. 254 p. (MIRA 11:3)

1. Chlen-korrespondent APN RSFSR (for Smirnov)
(Agriculture—Study and teaching)

BULATOV, N.P.; YESIPOV, B.P.; ROZANOV, I.G.; SHCHUKIN, S.V.; DANILOV, M.A.; REZNIKOV, L.I.; SKATKIN, M.N.; YUS'KOVICH, V.F.

I.I. Babushkin; obituary. Fiz. v shkole 17 no.1:96 Ja-F '57. (MLRA 10:2)

(Babushkin, Ivan Ivanovich, 1899-1956)

SHCHUKIN, S.V., kand.ped.nauk

Advice. IUn.nat. no.5:17-18 My '59. (MIRA 12:6)
(Agricultural research)

SHCHUKIN, S.P., kand. [illegible] zasluzhennyy uchitel' shkol RSFSR

Results of all experiments should be given to collective and state farms. [illegible] nat. [illegible] 0 '62. (MIRA 16:[illegible])

[illegible] —Experimentation)

SHCHUKIN, Sergey Vasil'yevich; FIALKINA, G.A., red.; NOVOSELOVA, V.V., tekhn. red.

[Fundamentals of student experimental work with forage plants and agricultural animals] Osnovy opytnicheskoi raboty shkol'nikov s kormovymi kul'turami i sel'skokhoziaistvennymi zhivotnymi. Moskva, Izd-vo APN RSFSR, 1963. 166 p. (MIRA 17:2)

S/032/62/028/002/017/037
B104/B108

AUTHORS: Golubev, A. S., Merkulov, L. G., and Shchukin, V. A.

TITLE: Attainment of maximum sensitivity in ultrasonic echo defectoscopy

PERIODICAL: Zavodskaya laboratoriya, v. 28, no. 2, 1962, 196 - 199

TEXT: The maximum attainable sensitivity of the echo method depends on the defect-reflected signal-to-reverberation noise ratio. A study of the structure reverberation in solids can in first approximation be made similarly to the study of volume reverberation in the sea. The frequency dependence of the reverberation noise is mainly determined by $\sqrt{\alpha_p}\exp(-(\alpha+\alpha')r)$ where $\alpha = \alpha_p + \alpha_\pi$ is the total absorption coefficient in a polycrystalline body. α_π is the absorption and α_p the scattering coefficient. α' takes account of the attenuation of the scattered waves. With increasing frequency the reverberation noise initially increases due to the increased scattering power of the medium. At a certain frequency where $\sqrt{\alpha_p} \approx \exp(-(\alpha+\alpha')r)$, a maximum is reached. If the frequency increases

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further the noise decreases owing to increasing attenuation. If the scattering power of the medium increases the maximum is shifted to lower frequencies. If the ultrasonic wavelength λ is considerably larger than the mean grain size of the medium, reverberation noise will be weak. If λ is approximately equal to the mean grain size, an interference-type noise is observed. The authors calculated the frequency dependences of the reverberation noise (Fig. 2), of the useful signal, and of the useful signal-to-noise ratio (Fig. 5). The signal-to-noise ratio can be improved by increasing the transducer area. There are 5 figures and 6 Soviet references.

ASSOCIATION: Leningradskiy elektrotekhnicheskiy institut im. V. I. Ul'yanova-Lenina (Leningrad Electrotechnical Institute imeni V. I. Ul'yanov-Lenin)

Fig. 2. Calculated (a) and experimental (b) dependence of the relative reverberation noise on frequency for 1X18H9T (1Kh18N9T) steel.
Legend: (1) mean grain size 1.2 mm; (2) mean grain size 0.3 mm.

Fig. 5. Useful signal to reverberation noise ratio as a function of frequency for a cylindrical defect (diameter 1 mm).

ACCESSION NR: AP3005634 S/0046/63/009/003/0390/0392

AUTHORS: Shchukin, V. A.; Yakovlev, L. A.

TITLE: Effect of contact layers on the precision of measuring ultrasonic velocity in solids

SOURCE: Akusticheskiy zhurnal, v. 9, no. 3, 1963, 390-392

TOPIC TAGS: ultrasonic velocity, acoustical contact, contact layer, velocity determination, ultrasonic velocity determination, unevenness

ABSTRACT: In measuring the velocity of elastic waves through solids, an acoustical contact between sample and sound transmitter is achieved by means of an oily or adhesive layer. Because of the thinness of this layer, its effect is generally neglected. but this neglect may lead to considerable error. The authors have analyzed the systematic error arising from the presence of contact layers in the pulsing arrangement used for measuring velocity on the principal of direct transmission of sound. It was found that for steel samples, at a frequency of 1.54 megacycles and with transformer oil constituting the contact layer, the time lag was 0.065 microseconds. For quartz samples the lag was 0.032 microseconds. By using various frequencies the authors found that the equivalent thickness of the

ACCESSION NR: AP3005634

contact layers does not depend on frequency. They found a single-valued relation between equivalent thickness and unevenness of the layer. By knowing the maximum value of unevenness, it is possible to compute the equivalent thickness and to introduce a correction. This permits a great increase in accuracy when measuring ultrasonic velocities. Similar results were obtained in studies on transverse waves. Orig. art. has: 4 figures and 2 formulas.

ASSOCIATION: Leningradskiy elektrotekhnicheskiy institut im. V. I. Ul'yanova (Lenina) (Leningrad Institute of Electrical Engineering)

SUBMITTED: 24Apr62 DATE ACQ: 27Aug63 ENCL: 00

SUB CODE: PH NO REF SOV: 002 OTHER: 000

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