

AUTHOR: Shparber, L.Ya.

SOV/130-58-9-4/23

TITLE: Effecient Scheme for Blast-furnace Charging (Ratsional'naya skhema zagruzki domennoy pechi)

PERIODICAL: Metallurg, 1958, Nr 9, pp 10 - 12 (USSR)

ABSTRACT: The scheme described (figure) was evolved at the Magnitogorsk Metallurgical Kombinat by V.M. Zudin, N.S. Krivolapov, N.S. Reyzov, I.I. Sagaydak, V.A. Shastin and L.Ya. Shparber. Hot sinter is charged into two bunkers of 850 m³ capacity each, provided with two cooled roll feeders, each discharging onto vibrating screens of a non-blocking type. The fines are returned via a small skip hoist to a bunker. The blast-furnace sinter goes into a weighing hopper which collects the appropriate weight and then gives a signal which stops the roll feeders. When the hopper has discharged into the blast-furnace skip and closed, the feeders are automatically set into operation. The ore and flux are fed into the weighing hopper from their bins by light rubber belts. The two roller-feeder coke bins each have their own screens and weighing hoppers. The coke passes via rapid belts and chutes to the main skip at the appropriate time; the coke breeze is removed in the ordinary way. The author describes how the new

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system can be partly installed at a plant during running repairs and during major repairs. The compactness of the layout enables space to be saved and the scheme enables fines to be removed directly before the skip (or the burden can be sized and charged separately), the charging to be made completely automatic, the scale car to be eliminated and working conditions with hot sinter to be improved. The proposed system has advantages over a purely belt system or one in which an automatic scale car is used. There is 1 figure.

ASSOCIATION: Magnitogorskiy metallurgicheskiy kombinat
(Magnitogorsk Metallurgical Kombinat)

Card 2/2

1. Blast furnaces--Operation
2. Blast furnaces--Equipment

LEPIKIN, L.A., inzh.; SHPARBER, L.Ya., inzh.

New method of feeding steam into blast furnace bell areas. Stal'
18 no. 6:503 Je '58. (MIRA 11:7)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Blast furnaces)

SHPARBER, L.Ya.

Desulfuration of pig iron outside the blast furnace. Metallurg
5 no.2:8-9 F '60. (MIRA 13:5)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Desulfuration) (Cast iron)

SHPARBER, L.Ya.; DORMAN, A.I.

Ladle travel in one-lip casting of iron. Metallurg 5
no. 12:10-12 D '60. (MIRA 13:11)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Blast furnaces--Equipment and supplies)

S/130/60/000/011/003/011
A006/A001

AUTHOR: Shparber, L. Ya.

TITLE: Mechanization and Automation of a Blast Furnace Shop

PERIODICAL: Metallurg, 1960, No. 11, pp. 6-9

TEXT: Information is given on the automation of various installations at the blast furnace shop of the Magnitogorsk Metallurgical Combine. Scale-cars are being replaced by two automated charge systems: In system 1) coke, sinter ore, and admixtures are supplied by three lines. Coke is delivered as previously passing from the bin through the screener and the weighing hopper. Sinter is supplied from the bin to a plate conveyer and to the hopper. There are 2 plate conveyers arranged at two sides of the skip pit and switched-on automatically. System 2) includes a large-capacity bin for sinter and small bins with plate conveyers for coke which are arranged at both sides of the sinter bin from which the material is delivered by three drum stoppers. The outer stoppers are intended to supply sinter to the left and right hand side hoppers and the central stopper provides for the alternating charge of the hopper with the aid of a reversing gate. Coke passes from the bin through the screener, the conveyer and the w



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weighing hopper. The left and right hand side hoppers may be charged from any bin with the aid of a reverse valve. The author recommends the method of tensometric weighing and the installation of a partition into the weighing hopper for coke, dividing the hopper into 2 compartments which will permit the automatic control of the coke size. Steam supply is made safer, reducing the wear of the large cone rod, preventing the ejection of the charge when opening the small cone etc. Improvements have been made to facilitate the work of hearth attendants. However, the installation of various machines for the cleaning of runners, the lining of runners with refractories, for the exchange of cooling devices, etc. is still required. Air heaters are now being made with automatic reverse valves and pulses produced by a time relay or when completely closing the mixing valve. Each heater may be in one of three basic positions ("heat", "blast", "separation") or in special "traction" position. The control is automatic, cyclic or individual. The laboratory of automatics, the TsPKB and the blast furnace shops are occupied to develop automation of remote control units in two directions: a) Taking gas samples and measuring the temperature at individual spots of the furnace radius, and b) the continuous checking of the temperature and the CO₂ content during the motion of the sampling pipes. Work is also directed on the automatic control of pressure drop, conditions of tuyere hearths and the

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distribution of blast over the tuyeres. There are 3 figures.

ASSOCIATION: Magnitogorskiy metallurgicheskiy kombinat (Magnitogorsk Metallurgical Combine)

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STEFANOVICH, M.A.; SHPARBER, L.Ya.; BOGDANOV, V.V.

Reducing effect of gases in blast furnace stacks. Stal' 22
no.8:687-692 Ag '62. (MIRA 15:7)

1. Magnitogorskiy gorno-metallurgicheskiy institut i
Magnitogorskiy metallurgicheskiy kombinat.
(Blast furnaces)
(Gases)

SAGAYDAK, I.I.; GALEMIN, I.M.; SHPARBER, L.Ya.; KARSHIN, V.P.

Durability of air and slag tuyeres. Metallurg 9 no.4:6-8
Ap '64. (MIRA 17:9)

1. Magnitogorskiy metallurgicheskiy kombinat i Chelyabinskiy
nauchno-issledovatel'skiy institut metallurgii.

LEPIKHIN, L.A., inzh.; Primalni uchastiye: STEFANOVICH, M.A., doktor tekhn.nauk; BABARYKIN, N.N., kand.tekhn.nauk; NEYASOV, A.G., kand.tekhn.nauk; SHPARBER, L.Ya., inzh.; BOGDANOV, V.V., inzh.; ZHARKOV, P.N., master pechi; PANIN, O.G., master pechi; FEDOTOV, V.G., master pechi; FEFANOV, N.M., master pechi; SAGAYDAK, I.I., inzh., rukovoditel'raboty

Evaluating the effect of various methods of charging a blast furnace on the state of the gas flow in its upper part. Stal' 23 no. 3:198-204 Mr '64. (MIRA 17:5)

1. Magnitogorskiy metallurgicheskiy kombinat (for Lepikhin).

GALEMIN, I.M.; SAGAYDAK, I.I.; KARSHIN, V.P.; SHPARBER, L.Ya.;
KURUNOV, I.F.; BORTS, Yu.M.

Investigating combustion processes in furnace hearths.
Stal' 23 no. 3:204-207 Mr '64. (MIRA 17:5)

1. Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii
i Magnitogorskiy metallurgicheskiy kombinat.

SHPARBER, L.Ya.; VIYER, V.I.; VOLKOV, Yu.P.; RYABTSEV, L.Yu.; REIZOV, N.S.

Improving the operating conditions of a charging device. Metallurg
9 no.12:8-12 D '64. (MIRA 18:2)

1. Magnitogorskiy metallurgicheskiy kombinat.

KOPYRIN, I.A.; OSTROUKHOV, M.Ya.; STEFANOVICH, M.A.; BORTS, Yu.M.; SAGAYDAK, I.I.; SHPARBER, L.Ya.; VOLKOV, Yu.P.

Heat balance of smelting with a low slag yield for the Magnitogorsk blast furnace. Izv.vys.ucheb.zav.; chern. met. 8 no.4:45-52 '65.
(MIRA 18:4)

1. Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii, Magnitogorskiy metallurgicheskiy kombinat i Magnitogorskiy gornometallurgicheskiy institut.

VOVKOV, Yu.P.; KRYZHEV, N.M.; VAYER, V.I.; OSTROUMOV, M.Ya.; RYABTSEV,
L.Ya.; IKASHENKO, F.F.; SHATILIN, A.I.; SHCHERBET, L.Ya.

Blowing-in a large capacity blast furnace. Metallurg 10
no.134-8 Ja '65. (MIRA 18:4)

CHERNYATIN, A.N.; OSTROUKHOV, M.Ya.; GIMMEL'FARB, R.A.; VOLKOV, Yu.P.;
BABARYKIN, N.N.; SHPARBER, L.Ya.; GALATONOV, A.L.

Mastering of MMK [Magnitogorsk Metallurgical Combine] blast furnace
operations with the use of natural gas. Metallurg 10 no.8:12-13 Ag
'65. (MIRA 18:8)

1. Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii i
Magnitogorskiy metallurgicheskiy kombinat.

BABARYKIN, N.N.; GALATONOV, A.L.; SAGAYDAK, I.I.; SHEARBER, L.Ya.;
TSVERLING, A.L.; YAKOESON, A.P.; BORTS, Yu.M.; ZHILO, N.L.;
KOPYRIN, I.A.; OSTROUKHOV, M.Ya.

Experimental smelting with a reduced slag output. Stal' 24
no.12:1069-1075 D '64. (MIRA 18:2)

1. Magnitorskiy metallurgicheskiy kombinat i Chelyabinskiy
nauchno-issledovatel'skiy institut metallurgii.

SHPARBER, L.Ya.

Condition of the charging equipment and the technical and
economic indices of blast furnace smelting. Metallurg 10
no.12:9-10 D '65. (MIRA 18:12)

1. Magnitogorskiy metallurgicheskiy kombinat.

SHPARBBER, P.A., inzhener.

Investigating methods of ground freezing without brine. Shakht. -
stroi. no.7:13-18 J1 '57. (MERA 10:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii
montazha shakhtostroitel'stva.
(Shaft sinking) (Frozen ground)

Shparber, P.A.
SHPARBBER, P.A., inzh.

Conditions of rock freezing. Shakht. stroi no.1:7-10 '58.

(MIRA 11:2)

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

(Mining engineering) (Frozen ground)

SHPARER, P., inzh.

Brineless freezing of rock layers. Khol. tekhn. 35 no. 3:36-39
My-Je '58. (MIRA 11:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii i
mekhanizatsii shakhtnogo stroitel'stva.
(Soil freezing)
(Shaft sinking)

SHPARBER, P., inzh.

Freezing of ground for shaft sinking in the Yakovlev mine of the Kursk magnetic anomaly region [with summary in English], Khol.tekh. 37 no.2:28-29 My-Ap'60. (MIRA 13:10)

1. Ukrainskiy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii shakhtnogo stroitel'stva.
(Yakovlev region (Kursk Province)--Mining engineering)
(Soil freezing)

SHISHOV, Ye.L., kand.tekhn.nauk; SYCHEV, A.S., inzh.; KILIMOV, S.L., inzh.;
SHPARBER, P.A., inzh.

"Handbook on special methods of shaft sinking." Reviewed by E.L.
Shishov and others. Shakht. stroi. 6 no.5:32-3 of cover M- '62
(MIRA 15:7)

(Shaft sinking)

SHPARBER, P.A., inzh.

Rock freezing without brine. Ugol' Ukr. 6 no.5:21-22 My '62.
(MIRA 15:11)

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

(Mining engineering) (Soil freezing)

SHPARBER, P.A., inzh.

Selecting a freezing mixture of rock freezing. Shakht. stroi.
7 no.3:18-19 Mr'63 (MIRA 17:7)

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

SHARPER, P.A., Incl.; PANVIN, V.A., Incl.

Height of the entry and deformation of the frozen rock cylinder
during shaft sinking. Trudy VNIIOGNSa no.15:150-163 '61.

(MLRA 18:2)

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.

PETROV, I.N., inzh.; SHPARBER, P.M.

Automatic production line for machining cylinder heads for the
DT-54 tractor diesel engine. Mashinostroitel' no.12:5-6 D '57.
(MIRA 10:12)

(Automatic control) (Machine-shop practice)

SHPARBER, Ya.Ye., polkovnik meditsinskey sluzhby; ANYUTIN, R.G.

Diseases of the internal ear following barotrauma, Voen.-med. zhur.
no.7:68-69 '64. (MIRA 18:5)

SHPARBER, Yu.

Experience in mechanizing laundry operations. Zhil.-kom. khoz.
5 no.4:28 '55. (MLRA 8:9)

1. Inzhener-tekhnolog fabriki-prachechnoy No. 6 Moskv
(Laundry machinery)

GUTOV, N.G.; SHPARBER, Yu.A.

Using synthetic washing powders in a laundry. Masl. -zhir.prom.23
no.1:23-24 '57. (MLRA 10:1)

1. Moskovskaya fabrika-prachechnaya no.6.
(Washing powders)

GUTOV, N.G.; SHPARBER, Yu.A., tekhnolog

New synthetic soapless cleansing agents. Gor.khoz.Mosk. 31 no.5:29
My '57. (MIRA 12:3)

1. Direktor fabriki-pracheshnoy No. 6.
(Washing powders)

С.А. ШПАРБЕР, Ю.А. ГУТОВ
GUTOV, N.G., tehnolog; SHPARBER, Yu. A.

Mechanized ironing of laundry. Gor. khoz. Mosk. 32 no.2:32-33 F '58.
(MIRA 11:1)

1. Moskovskaya fabrika-pracheshnaya no.6. 2. Direktor Moskovskoy
fabriki-pracheshnoy no.6 (for Gutov).
(Laundry)

SHPARBER, Yu. A., tekhnolog.

Repeated use of suds. Gor. khoz. Mosk. 32 no.10:36 0 '58. (MIRA 11:11)

1. Fabrika-pracheshnaya No.6 g. Moskvyy.
(Washing machines)

SHPARBER, Yu.A., tekhnolog

Automatization of washing machines, Gor.khoz.Mosk. 33 no.10:28
0 '59. (MIRA 13:2)

1. Fabrika-pracheshnaya No.6.
(Automatic control) (Washing machines)

SHPARBER, Yu.A., tekhnolog; GRESHNEV, A.I., inzh.

Mechanical ironing of nonflatwork. Gor.khoz.Mosk. 36 no.12:33-
34 D '62. (MIRA 16:2)

1. Fabrika-prachechnaya No.6 g. Moskvyy (for Shparber).
(Laundry)

1. 1971, 15.

Characteristics of functional respiratory and circulatory disorders in patients clinically recovered from destructive forms of pulmonary tuberculosis and their prevention. Trudy I.GMI 72:103-114, 1961. (MIRA 17:4)

1. Klinika tegorogo tuberkuleza Leningradskogo santsionirovaniya i meditsinskogo instituta.

REKHOVSKIY, Yu.D., inzh.; SHPARBERG, A.M., inzh. (Leningrad)

Flame cleaning of metal bridges. Puti i put. khoz. no.4:24-25
Ap '59. (MIRA 13:3)

(Metal cleaning)

(Railroad bridges---Maintenance and repair)

SHPAREBERG, B.I.

Automatic weighing on cranes. Trudy TSNIIMF no.11:91-103 '57.
(MIRA 11:2)
(Weighing machines) (Remote control)

SHPARBERG, B.I.

Apparatuses with high capacity wire strain gauges for measuring strains in hydraulic structures. Trudy TSNIIMF no.19: 69-79 '58. (MIRA 13:1)
(Strain gauges) (Hydraulic engineering)

27353
S/194/61/000/003/008/046
D201/D306

17.1152

AUTHOR: Shparberg, B.I.
TITLE: A semiconductor probe for measuring small velocities of flow
PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 3, 1961, 30, abstract 3 A248 (Tr. Tsent. n.-i, in-ta morsk. flota, no. 26, 1960, 109-111)

TEXT: A description is given of a probe for measuring small velocities of liquid flow, using two thin plexiglass plates glued together, between which are placed two microthermistors MT-54 forming part of a bridge circuit. The nominal value of the resistance of each thermistor (T) is 2830 ohms, its temperature coefficient 3.58%, time constant 0.1 sec, working temperature range from -70 to +150°C. The thermistors are placed along the axes of two co-axial tapered cones, the joint of the two forming a constricted aperture. The cone axis is the plane of the junction of the plates. When liquid

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NOVIKOV, A.F., kand.tekhn.nauk; SHPARBERG, B.I.

Actual measurements of the elastic line of a metal groove. Trudy
TSNIIMF 7 no. 32:41-47 '61. (MIRA 14:5)
(Elasticity--Measurement)

SAPRYKIN, K.V.; SHPARBERG, L.A.

Feature of television image conversion by different scanning techniques. Radiotekhnika 18 no.8:36-40 Ag '63. (MIRA 16:10)

1. Deystvitel'nyye chleny Nauchno-tekhnicheskogo obshchestva radiotekhniki i elektrosvyazi imeni Popova.

Shkardov, T.N.

antenna module for ring bending of wire. Biul. tekhn.-ekon.
Inform. Gos. nauch.-issl. nauch. i tekhn. Inform. 17 no.9:
AR-55 1 151 (MIRA 18:1)

SHPARBERG, Ye.M., gornyy inzhener; MORGUNOV, V.P., gornyy inzhener

Equipment for feeding coal and rock into water ducts under
pressure. Ugol' Ukr. 3 no.7:37-39 J1 '59. (MIRA 12:11)
(Hydraulic mining)

MAKAROV, I.V.; SHPARBERG, Ye.M.

New machinery for hydraulic haulage. Ugol' 34 no.11:29-30 N '59
(MIRA 13:3)

1. Kuznetskiy filial Giprouglemasha.
(Hydraulic machinery) (Mine haulage)

KUZ'MICH, A.S.; GOL'DIN, M.A.; SHPARBERG, Ye.M.; FROLOV, A.G.

Hydraulic hoisting system with an AZV-1 loading machine in the
No.1 "XIX Parts"ezd" Mine of the Leninugol' Trust. Ugol' 35
no.l:35-39 Ja '60. (MIRA 13:5)

1. Luganskiy sovnarkhoz (for Kuz'mich, Gol'din). 2. Kuznetskiy
filial Giprougleshasha (for Shparberg). 3. Institut gornogo
dela AN SSSR (for Frolov).

(Lugansk Province--Mine hoisting)
(Hydraulic mining)

SHPARBERG, Ye.M., inzh.

Some characteristics of the use of feeding devices in high-pressure hydraulic transportation. Ugol' Ukr. 5 no.2:23-24 F '61.

(MIRA 14:3)

1. Sibgiprogormash.
(Coal--Transportation) (Hydraulic conveying)
(Pipeline transportation of solids)

SHPARBERG, Ye.M.

Methodological problems in the calculation of rotation-feeding apparatus for high-pressure hydraulic transportation. Izv. Sib. otd. AN SSSR no.11:48-62 '61. (MIRA 15:1)

1. Institut gornogo dela Sibirskogo otdeleniya AN SSSR, Sibgiprogormash, Novosibirsk.
(Hydraulic conveying)

SHPARBERG, Ye. M., inzh.

Regulation of the parameters of the working process of the
loading apparatus for high pressure hydraulic conveying. Ugol'
Ukr. 6 no.10:28-30 0 '62. (MIRA 15:10)

1. Sibgiprogormash.

(Hydraulic conveying)

SHPARBERG, Ye.M., inzh.

Studying the operating of an AZY-2 mine filling apparatus.
Trudy VNIIGidrouglia no.2:66-74 '63. (MIRA 17:6)

1. Sibirskiy gosudarstvennyy proyektno-konstruktorskiy
eksperimental'nyy institut gornogo mashinostroyeniya.

KHARAGORGIYEV, S.Ye., inzh.; SHPARAGA, I.D., inzh.

Improvement of indices in founding. Mashinostroenie no.6:31-33
N-D '62. (MIRA 16:2)

1. Ukgiprostanok.
(Founding—Production standards)

KOLOMIYCHENKO, A.I., prof., Laureat Leninskoy premii, zasl. deyatel' nauki, red.; LUKOVSKIY, L.A., prof., red.; ZARITSKIY, L.A., prof., zasl. deyatel' nauki, red.; PITENKO, N.F., prof., red.; GLADKOV, A.A., prof., red.; KURILIN, I.A., prof., red.; MOSTOVOY, S.I., doktor med. nauk, red.; BARLYAK, R.A., prof., red.; SHPARENKO, B.A., dots., red.; ROZENGAUZ, D.Ye., dots., red.; KHARSHAK, B.M., dots., red.; CHERNOVA, I.A., kand.med. nauk, red.

[Current problems of clinical and experimental otolaryngology]
Aktual'nye voprosy kliniko-eksperimental'noi otolaringologii.
Kiev, Zdorov'ia, 1964. 350 p. (MIRA 18:2)

1. Nauchno-issledovatel'skiy institut otalaringologii. 2. Otdel profpatologii Nauchno-issledovatel'skogo instituta otolaringologii (for Pitenko).

1. SHPARIYCHUK, M., Dr.
2. USSR (600)
4. Korean War, 1950-
7. Atrocities of American interventionists in the Far East. Sov. kras. krest 3 no. 2
1953

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

SHPARKOVSKIY, A.A., polkovnik meditsinskoy sluzhby

Decree of the Central Committee of the CPSU and Council of
Ministers of the U.S.S.R. on the improvement of military
medical service. Voen. - med. zhur. no.1:8-10 '53.
(MIRA 17:8)

1. SHPARLINSKIY, V. M.
2. USSR (600)
4. Marine Fauna
7. Slipshod work ("Animal world of seas and oceans and its economic importance."
V. G. Bogorov. Reviewed by V. M. Shparlinskiy). Ryb. khoz. 29, No. 2, 1953.

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

SHPARLINSKIY, Viktor Matveyevich; ZAYTSEV, V.P., spetsred.; KLYACHKO, I.I.,
red.; FORMALINA, Ye.A., tekhn.red.

[Fishing industry of the U.S.S.R.] Rybnaia promyshlennost' SSSR.
Moskva, Vses.nauchno-issl.in-t morskogo rybnogo khoz. i okeanografii,
1959. 53 p. (MIRA 13:9)

(Fisheries)

SHPARLINSKIY, V.M.

[World fishing industry] Mirovye rybolovstvo. Moskva, 1959.
129 p. (MIRA 13:10)

(Fisheries)

SHPARLINSKIY, V.M.

"Review of the Fishing Industry of the USSR."

Report presented at the FAO Seminar and Study Tour for Fishery Administration
from the Indo-Pacific and Mediterranean Regions, Moscow 11 Sep-14 Oct 1961.

SHPARLINSKIY, Viktor Matveyevich; EL'KINA, B.N., red.

[The fishing industry of the U.S.A.; an economic essay]
Rybnaya promyshlennost' SShA; ekonomicheskii ocherk.
Moskva, Pishchevaia promyshlennost', 1964.
(MIRA 18:4)

LUZANSKIAYA, Dora Isaakovna; SHPARLINSKIY, V.M., spets. red.;
AYNZAFT, Yu.S., red.; SHESTAK, S.N., red.

[Inland-water fisheries of the U.S.S.R. (lakes, rivers,
and reservoirs); a guide] Rybokhoziaistvennoe ispol'zovanie
vnutrennikh vodoemov SSSR (ozer, rek i vodokhranilishch);
spravochnik. Moskva, Pishchevaia proryshlennost', 1965.
597 p. (MIRA 18:7)

SHPARO, D.I.; SHUR, M.G.

Distribution of the roots of random polynomials. Vest.Mosk.un.-
Ser.1: Mat.,mekh. 17 no.3:40-43 My-Je '62. (MIRA 15:7)

1. Kafedra teorii veroyatnostey Moskovskogo universiteta.
(Polynomials)

SHPARO, L.A.

BRAGINSKAYA, V.P.; SHPARO, L.A.

Cytogram of the tonsils and its relation to course of scarlet fever.
Pediatriia, Moskva no.6:51-56 Nov-Dec 1953. (CML 25:5)

1. Of the Infectious Department (Scientific Supervisor -- Honored Worker in Science Prof. A. I. Dobrokhotova) and the Department of General Pathology (Scientific Supervisor -- Prof. N. M. Nikolayev) of the Institute of Pediatrics (Director -- Prof. M. N. Razantseva) of the Academy of Medical Sciences ~~USSR~~ located at Children's Hospital imeni Busakov (Head Physician -- Docent V. A. Kruzhkov).

USSR / Human and Animal Physiology. The Effect of Physical Factors. Ionizing Irradiations. T

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102356.

Author : Shparo, L. A.; Fokina, T. V.; Merimova, T. D.
Inst : Not given.

Title : The Sensitivity of Animals of Different Ages to General Roentgen Irradiation.

Orig Pub: Tr. Vses. konferentsii po med. radiol. Eksperim. med. radiol. M., Medgiz, 1957, 76-81.

Abstract: Rats (265) of various age groups were irradiated with a dose of 250-1000 r. Animals up to 6 weeks old turned out to be more radiosensitive than adults. Newborn rats were distinguished by the greatest radio sensitivity; they died without exception even after 250 r. In rats 2-15 days old, radiation sickness developed somewhat more slowly

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PHASE I BOOK EXPLOITATION SOV/5326

Shparo, L. A., T. V. Fokina, T. D. Mirimova, Z. A. Rassadina, T. M. MeI'gunova, and K. A. Moskacheva

Osobennosti reaktsii rastushchego organizma na deystviye ioniziruyushchey radiatsii. (The Peculiarities of the Reactions of a Growing Organism to the Effect of Ionizing Radiation) Moscow, Medgiz, 1960. 177 p. Errata slip inserted. 4,000 copies printed.

Ed.: Ye. F. Baranova. Tech. Ed.: N. S. Kuz'mina.

PURPOSE: This book is intended for biologists, physiologists, and other specialists concerned with the effects of ionizing radiation on the human organism.

COVERAGE: The book reports on investigations of the effects of ionizing radiation on humans and animals at different ages, ranging from infancy to maturity. The total reaction of an organism, manifested by its general sense of well-being, behavior, variation in weight, longevity, condition of blood, external condition of skin, etc., as well as the disturbances in individual organs, tissues, and their functioning are discussed. The

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The Peculiarities of the Reactions (Cont.)

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work is based on studies conducted at the Radiobiological Laboratory of the Institut pediatrii AMN SSSR (Institute of Pediatrics of the Academy of Medical Sciences of the USSR) on the reactions of laboratory animals as well as children exposed to radiation in the course of x-ray therapy. The following scientists are mentioned as having made significant contributions recently in this field of research: K. K. Poplavskiy, O. P. Peterson, A. V. Kozlova, V. F. Cherkasov, Ye. A. Dikovenko, I. A. Volodina, M. A. Aleksandrovskaya, V. A. Troitskiy, A. G. Izergin, A. M. Rusanov, V. V. Kholin, A. P. Chesnokova, A. I. Osipovskiy, T. N. Ulissova, G. S. Kunicheva, A. P. Yegorov, V. V. Bochkarev, and M. P. Domshlak. There are 250 references: 190 Soviet, 43 English, 16 German, and 1 French.

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Ch. I. Characteristics of Clinically Manifested Reactions of a Growing Organism to the Action of Ionizing Radiation During Card 2/4

The Peculiarities of the Reactions

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AVAILABLE: Library of Congress (QH652.075)

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JA/dwm/jw
9-8-61

MOSKACHEVA, K.A.; MIRIMOVA, T.D.; SHPARO, L.A.; NEBOL'SINA, L.I.;
BARASHNEV, Yu.I.

Radiation lesions in children as a result of treating malignant and
benign tumors. Med.rad. 7 no.7:38-45 JI '62. (MIRA 15:11)

1. Iz Instituta pediatrii AMN SSSR (zav. rentgenologicheskim otdelom - doktor meditsinskikh nauk K.A. Moskacheva).
(RADIATION SICKNESS) (CANCER) (TUMORS)

STARK, Yu.S.; SHPARO, N.B.

Methodology of determining local inhomogeneities of an electric field
in metals in sites of atomic nuclei from nuclear magnetic resonance
data. Fiz. tver. tela 5 no.12:3569-3573 D '63. (MIRA 17:2)

1. Institut stali i splavov, Moskva.

SPARK, Yu.S.; SHPARO, N.B.

Effect of the charge in a solid solution of silver in aluminum.
Fiz. met. i metalloved. 17 no.4:612 Ap '64. (MIRA 17:8)

L. Moskovskiy institut stal' i splavov.

ACCESSION NR: AP4041342

S/0115/64/000/005/0019/0021

AUTHOR: Bardila, P. I.; Kits, A. I.; Lakh, V. I.; Pinchevskiy, A. D.;
Shparov, P. I.

TITLE: New platinum resistance thermometers

SOURCE: Izmeritel'naya tekhnika, no. 5, 1964, 19-21

TOPIC TAGS: thermometer, resistance thermometer, platinum resistance
thermometer

ABSTRACT: Soviet-make resistance thermometers for a $-200+500^{\circ}\text{C}$ range with platinum wire wound on a mica form have shown these shortcomings: (a) poor seal, (b) mechanical weakness, (c) unwieldy design, and (d) high thermal inertia. A new design, free from the above drawbacks, consists of four helices, made from 0.05-0.07-mm Pt wire, placed in channels in a ceramic cartridge; the channels are subsequently filled with alumina powder. Temperature measurements up to 700°C are possible. These types are developed and offered for production:

Card 1/2

ACCESSION NR: AP4041342

Type:	Resistance at 0C, ohms	Sensitive elem. dia., mm	Length, mm	Channel dia., mm
Single	10	2.8	20	0.6
	46	4.8	25	1.3
	46	4.2	35	1.2
	100	4.8	50	1.3
Double	46	4.8	50	1.3

Orig. art. has: 2 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 00

SUB CODE: TD, IE

NO REF SOV: 004

ENCL: 00

OTHER: 000

Card 2/2

SHPARRO, I.

From various latitudes. Vokrug sveta no.7:16 J1 '54. (MLRA 7:8)
(Birds)

SEGAL, Ya., metodist; SHPARTOV, M.; GLINSKIY, B.I.; PEREGUD, A.

Letters and notes. Zdrav.Bel. 8 no.7:92-93 J1 '62.

(MIRA 15:11)

1. Grodnenskiy oblastnoy Dom sanitarnogo prosveshcheniya (for Segal). 2. Zaveduyushchiy otdelom propagandy i agitatsii Klichevskogo rayonnoy komiteta Kommunisticheskoy partii Belorussii (for Shpartov). 3. Zaveduyushchiy Leshchinskim fel'dshersko-akusherskim punktom Minskoy oblasti (for Glinskiy).

(MEDICINE)

SHPATAKOVSKIY, V.S., inzh.

Portable unit for removing snow from roofs of industrial buildings.

Stroi. prom. 36 no.9:19-20 S '58. (MIRA 11:10)

(Snow removal--Equipment and supplies)

DZBANOVSKIY, B.V.; SHEPATAKOVSKIY, V.S.

Administrative and miners' -service buildings in Lvov-Volyn
Basin. Ugol' Ukr. 3 no.6:17-19 Je '59. (MIRA 12:11)

1. Ukgiproshakht.
(Lvov-Volyn Basin--Mine buildings)

SHPATNY, V.

Modern types of equipment for painless dentistry. Med.prom.
13 no.1:24-25 Ja '59. (MIRA 12:10)

1. Nauchno-issledovatel'skiy institut meditsinskoy tekhniki
Chekhoslovatskoy respubliky.
(DENTAL INSTRUMENTS AND APPARATUS)

SHPAT'S
NEDZVETSKIY, S.V.; GRECHKA, F.P.; SHPATS, T.A.

Causes of hypercholesterolemia. Vop.med.khim. 4:133-138 '52.
(MIRA 11:4)

1. Kafedra biokhimii Leningradskogo sanitarno-gigiyenicheskogo
meditsinskogo instituta.
(CHOLESTEROL METABOLISM) (ACETONEMIA)

SHPATS, T. A.

Chemical Abstr.
Vol. 48 No. 3
Feb. 10, 1954
Biological Chemistry

Chair Prof. Chem →

(14)

Sterols of the animal organism: 7-hydroxy- α -cholesterol.
 L. S. V. Nedzvetskii, A. N. Panyukov, and T. A. Shpats
 (Leningrad Med. Inst., Chair Biol. Chem. *Biokhimiya*
 18, 315-18(1953).—Dogs received 0.5 g. of cholesterol and 2
 g. of fat per kg. body wt. for 10-12 days and were then sacri-
 ficed. The blood was dild. with 4 vols. of acetone and the
 minced organs were treated similarly with acetone. Re-
 peated extns. with acetone were made and the acetone frac-
 tions were combined, evapd. residue extd. with ether, fil-
 tered and 20-30 ml. EtOH added to the filtrate. The ether
 was evapd. and the alc. residue washed with alc. into a
 conical tube and let stand overnight. A ppt. formed con-
 sisting of fat, cholesterol, and its esters. The supernatant,
 contg. the same as well as other sterols, was sepd. from the
 ppt., the alc. evapd., and a chromatographic adsorption on
 Al oxide was made of a soln. of the residue. 7-Hydroxy- α -
 cholesterol is formed in the animal organism. It was iso-
 lated from brain, lungs, and the blood and none from the
 liver and muscle.
 B. S. Levine

SHPATSERMAN, M.D.

Psychosis caused by acetone poisoning. Zhur.nevr. i psikh.
Supplement:64-65 '57. (MIRA 11:1)
(ACETONE--TOXICOLOGY) (PSYCHOSIS)

SHPATSERMAN, M. D.: Master Med Sci (diss) -- "Some data on the objective investigation of the functional state of the central nervous system in psychopathologies, and their significance for diagnosis and expertise". Leningrad, 1958. 13 pp (Leningrad State Order of Lenin Inst for the Advanced Training of Physicians imeni S. M. Kirov) (KL, No 1, 1959, 125)

SHPATSERMAN, M.D. (Ghita)

Complex examination of higher nervous activity in psychopathic
states. Zhur. vys. nerv. deiat. 10 no. 3:401-407 My-Je '60.
(MIRA 14:2)

(MENTAL ILLNESS) (REFLEXES)

GULE, Vilem; SHPATSOVA, Z., [translator]; DERER, Ladislav, akademik,
nauchnyy red.

[Hematological atlas] Gematologicheskii atlas. Bratislava, Izd-
vo Slovatskoi Akad. nauk, 1961. 185 p. (MIRA 16:2)
(HEMATOLOGY--ATLASES)

SHPAY, N.D.

Seminar of veterinarians. Veterinaria 37 no.8:95-96 Ag '60.
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(Volyn' Province--Veterinary medicine)

SHPAYER, A.; LALIASHVILI, Z.

Fabrics blended with lavsan; how to handle them in sewing. Vest.prom. i
khud.promys. 4 no.3:27-28 Mr '63. (MIRA 16:4)

1. Sotrudniki Tsentral'nogo nauchno-issledovatel'skogo instituta
shveynoy promyshlennosti.
(Synthetic Fabrics) (Tailoring)

SATARIN, V.I.; FERENS, N.I., nauchnyy redaktor; SHPAYER, A.L., redaktor;
PANOVA, L.Ya., tekhnicheskiy redaktor

[Cement production in the Polish People's Republic; special
technology and equipment] Proizvodstvo tsementa v Pol'skoi Narodnoi
Respublike; osobennosti tekhnologii i oborudovaniia. Moskva, Gos.
izd-vo lit-ry po stroit. materialam, 1956. 31 p. (MLBA 9:7)
(Poland--Cement industries)

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[How production costs were cut; Lyubertsey silicate brick factory]
Kak snizhalas' sebestoimost' produktzii; Liuberetskii zavod sili-
katnogo kirpicha. Moskva, Gos. izd-vo lit-ry po stroit. materialam,
1956. 34 p. (MLRA 10:4)

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POKROVSKIY, G.I., professor, doktor tekhnicheskikh nauk, redaktor; ~~SHPAYER~~,
A.L., redaktor; PRUDNIKOVA, M.I., redaktor; LYUDKOVSKAYA, N.I.,
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[Blasting operations; a collection of articles] Vzryvnye raboty;
sbornik statei. Moskva, Gos. izd-vo lit-ry po stroit. materialam.
No.3. 1956. 147 p. [Microfilm] (MLRA 10:5)
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GRIBOV, Ye.I.; YERUSALIMCHIK, A.M., inzhener, nauchnyy redaktor; SHPAYER,
A.L., redaktor; LYUDEKOVSKAYA, N.I., tekhnicheskiy redaktor

[Roofing paper] Krovel'nyi karton. Moskva, Gos. izd-vo lit-ry po
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CHUBAROV, Georgiy Stepanovich; CHERNYAK, Ya.N., nauchnyy redaktor; SHPAYER,
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[Organization of work in setting brick in ring kilns] Organizatsiia
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(Kilns)

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FYATAKOVA, N.D., tekhnicheskiy redaktör

[Obtaining cement clinker with agglomeration screens] Poluchenie
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(Cement)

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UMANSKIY, Naum L'vovich; PAL'KOV, Iosif Azraelevich [deceased]; SOKOLOV, Yu.B.,
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[Manufacture and use of tiles made of cement and sand] Proizvodstvo
i primeneniye tsementno-peschanoi cherepitsy. Moskva, Gos.izd-vo
lit-ry po stroit.materialam, 1957. 103 p. (MIRA 10:11)
(Tiles, Roofing)

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BERKOVICH, Tobias Moysseyevich, kand.tekhn.nauk; SOKOLOV, P.N., kand.tekhn.
nauk, nauchnyy red.; SHPAYER, A.L., red.; GILSON, P.G., tekhn.red.

[Autoclave asbestos cement] Avtoklavnyi asbestotsement. Moskva,
Gos. izd-vo lit-ry po stroit. materialam, 1957. 197 p. (MIRA 11:2)
(Asbestos cement)

Shpaya, A. L.
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[Plumbing and industrial heating equipment] Sanitarno-tekhnicheskie izdeliia i khoziaistvenno-pechnye pribory. Moskva, Gos.izd-vo lit-ry po stroit.materialam, 1957. 260 p.

(MLRA 10:6)

(Plumbing) (Heating)

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SHNEYDER, V.Ye.; ~~SHPAYER, A.L.~~ redaktor; PYATAKOVA, N.D.,
tekhnicheskii redaktor

[Manufacture of asbestos-cement elements] Proizvodstvo asbesto-
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PANYUTIN, Aleksey Georgiyevich, prof., doktor tekhn.nauk; PECHURO, S.S.,
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[Using gypsum as wall material in constructing buildings of
few stories] Stroitel'nyi gips v stenovykh konstruktsiakh
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arkhit. i stroit.materialam, 1959. 134 p. (MIRA 13:1)
(Gypsum) (Walls)

1977
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Standardizing of methods used in the evaluation of the wear properties of textile fabrics. Standartizatsiia. no.5:70-75 S-O '56. (MIRA 10:1)

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(Textile fabrics--Testing)

SHPAYER, A.M.; SHERSTNEV, V.Ye. (Moskva)

Speed up the introduction of practical widths in fabrics manufacture.
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SHPAYER, A.M.; BUKINA, A.S.; BERNATSKAYA, V.V. (Moskva)

New interfacing materials for clothing. Shvein.prom. no.4:29-
31 JI-Ag '61. (MIRA 14:12)
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