

S/117/61/000/003/001/011

Multiple electrode installation for electric rivet welding A004/A101

by rod 8. The electric riveting hammers are preliminarily pressed onto the part being welded by admitting compressed air at a pressure of 4 - 5 atm into the pneumatic cylinders. By filling hose 10, placed on the rod piston, with water, the riveting hammers are tightly and uniformly pressed onto the workpiece. The electric riveting hammers consist of the body, guides bushing detachable tips and button. The installation operates in the following way: the hoppers are filled with flux, electrode bars are inserted into the clamps of the electric riveting hammers, the panel being welded is placed on the front table, the pneumatic cylinders are actuated and water is admitted into the hose of the mobile cross piece. The cross piece is lowered, pressing the sheathing against the framework of the panel being welded. Then flux is supplied, the contactor is switched on and one of the electrodes is brought in contact with the part being welded. At the contact spot of the electrode and the part a welding arc is produced which continues to burn up to its natural break. The second and all the following arcs are excited in the same way. The power supply source is a TCD -1000 - 3 (TSD - 1000 - 3) transformer. Low-carbon wire of the Cs -08A (Sv-08A) grade and AN -348A (AN-348A) flux are used as welding materials. Compared with manual welding, the installation increases the labor productivity 2 - 2.5 times. There is 1 figure.

Card 2/2

YUSHCHENKO, Nikolay Romanovich; KULAYEV, Konstantin, Vladimirovich;  
KRIVENKO, Nikita Akimovich; PAJOV, V.I., inzhener, redaktor;  
YUDSON, D.W. ~~skhicheskij~~ redaktor.

[Over-all technology of shunting stations; practice of the  
Nishnedneprovsk Usel station on the Stalinoline] Kompleksnaia  
tekhnologiya sortirovochnoi stantsii; opyt stantsii Nishne-  
dneprovsk Usel Stalinskoi dorogi. Moskva, Gos.transp.zhel-dor  
isd-vo, 1955. 45 p. (MLRA 8:11)  
(Railroads--Making up trains)

MANEVICH, Aleksey Zinov'yevich; MIKHAILSON, Viktor Arkad'yevich;  
Prinirali uchastiye: KRIVENKO, N.G., sestra-anesteziist;  
MEDVEDKOVA, N.Ye., sestra-anesteziist; LUKOMSKIY, G.I.,  
red.

[Fundamentals of anesthesia; manual for nurse-anesthetists]  
Osnovy narkoza; posobie dlia sester-anesteziistov. Pri ucha-  
stii sester-anesteziistov N.G.Krivenko i N.E.Medvedkovoii.  
Moskva, Meditsina, 1964. 162 p. (MIRA 17:8)

KRIVENKO, N M.

135-5-5/14

SUBJECT: USSR/Welding

AUTHORS: Tamarin, A.M., Engineer, Gitlevich, A.D., Engineer, and Krivenko, N.M., Engineer.

TITLE: Automatic Butt-Welding of Beams for Overhead Traveling Cranes (Avtomaticeskaya svarka stykov poyasov i stenok glavnykh balok mostovykh kranov).

PERIODICAL: "Svarochnoye Proizvodstvo", 1957, # 5, pp 16-18 (USSR)

ABSTRACT: The article mentions that presently most crane-building plants manufacture the main beam elements by manual welding which considerably delays work. In order to speed up crane production and to improve production quality, the All-Union Institute for Projecting and Technology (ВНТИ МТМ), in co-operation with the Leningrad Hoisting and Transport Equipment plant imeni Kirov, developed a mechanized technology of producing main beam elements. The new installation (shown in illustrations) for automatic welding under flux consists of four major components: a bed, a movable pneumatic flux pad, a carriage, and a welding tractor of the "ААС-1000-2" type. It accommodates beam elements for cranes of 30 to 100 t capacity and a span of 10 to 32 m. The

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135-5-5/14

**TITLE:** Automatic Butt-Welding of Beams for Overhead Traveling Cranes  
(Avtomaticheskaya svarka stykov poyasov i stenok glavnykh balok mostovykh kranov).

The flux pad is placed under the butt joint to be welded, and the flux thrust upward to the butt by feeding air into a hose placed under the flux. The flux pad travels on a pair of rails under the bed. A cross beam is used for moving the workpiece.

The new technology reduces to one half the amount of required work as compared to the old technique.

The article contains 2 drawings, 2 photographs, and 1 table.

**ASSOCIATION:** ВПТИ МТМ (VPTI MTM) and Zavod pod'yemno-transportnogo oborudovaniya imeni Kirova (Leningrad Hoisting and Transport Equipment Plant imeni Kirov).

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**AVAILABLE:** At the Library of Congress.

Card 2/2

KRIVENKO, N. M.

135-58-5-14/17

AUTHORS:

Gitlevich, A.D., Tamarin, A.M., and Krivenko, N.M. Engineers

TITLE:

Edger for Welding Large Overhead Traveling Crane Trolley Frames (Kantovatel' dlya svarki krupnogabaritnykh ram telezhek mostovykh kranov)

PERIODICAL:

Svarochnoye Proizvodstvo, 1958, Nr 5, PP 41 - 43 (USSR)

ABSTRACT:

The described edger - designed by Vsesoyuznyy projektno-tekhnicheskii institut tyazhlogo mashinostroyeniya (All-Union Technologic-Design Institute of Heavy Machine-Building) and produced at the Leningrad Materials-Handling-Machine Plant imeni Kirov - edges a frame 90° and 180° into positions handy for welding in 45 to 50 seconds (compared with 20-30 min needed with old technology) and is provided with sets of hinged clamps a 90° or 180° tilt, the frame automatically actuates electric limit switches which switch off the drive and actuate the brake. Detailed design and operation description is illustrated by drawings and photographs. The edger was tested in shop conditions and accepted for use. There are 5 figures.

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Edger for Welding Large Overhead Traveling Crane Trolley Frames

135-58-5-14/17

ASSOCIATION:

VPTI tyazhlogo mashinostroyeniya (All-Union Technological-Design Institute of Heavy Machine Building), Zavod pod'yemno-transportnogo oborudovaniya imeni Kirova (Lifting and Transportation Equipment Plant imeni Kirov)

AVAILABLE:

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Card 2/2

SOV/122-58-7-26/31

AUTHORS: ~~Kriyenko, H.M.~~, Tamarin, A.M. and Gitlevich, A.D.,  
Engineers

TITLE: The Adoption of Standardised Production Procedures in the  
Welding Shops for Small Batch and Single Unit Manufacture  
(Vnedreniye tipovoy tekhnologii v svarochnykh tsekhakh  
melkoseriynogo i gedinichnogo proizvodstva)

PERIODICAL: Vestnik Mashinostroyeniya, 1958, Nr 7, pp 75-79 (USSR)

ABSTRACT: A system of classification for typical manufacturing  
sequences in making the fabricated components for bridge  
cranes has been developed by the VPTI (All-Union Design and  
Production Institute) in co-operation with the Leningrad-  
skiy zavod pod'yemno-transportnogo oborudovaniya  
(Leningrad Works for Lifting and Conveying Equipment)  
imeni Kireva. The planning department issues to the  
shops rate-fixing information or operations cards compiled  
on the basis of standardised manufacturing processes.  
This information is stated on a classification card  
accompanied by an operations card. The former states  
the class of components as "sheet-metal components" -  
the group as "flat, rectangular-shaped" and the sub-group  
as "without holes or cut-outs". Each component is listed  
with its drawing number, designation, material, weight

Card1/2

SOV/122-58-7-26/31

The Adoption of Standardised Production Procedures in the Welding Shops for Small Batch and Single Unit Manufacture

and overall size. The row for each component is continued into the operations card where each operation occupies a group of columns. The main column is the rated time allotted to the operation. In each operation, reference is made to a special table in the classification system. The complete system consists of 3 classes, 17 groups, 50 sub-groups, 124 species and 2 017 components and is listed in 180 classification cards. The work on component standardisation succeeded in eliminating 433 separate components. The system covers 88 different types and sizes of cranes. Each typical production procedure contains the basic manufacturing scheme for sub-assemblies (example shown in Table 2), a representative sketch, an operations card without rates (Table 3), a rate-fixing card (Table 4), a labour charge sheet by trades, a materials schedule and a welded seam length schedule. It is claimed that substantial savings in labour have been achieved. There are 1 figure and 5 tables.

Card 2/2



BAYKOVA, I.P.; KRIVENKO, H.M.; SADOYAN, S.G.

Investigating the cause of disturbance in basic geometrical dimensions of welded gantry cranes and selecting an efficient technological process for their construction. Trudy LPI no.199: 98-122 '58. (MIRA 12:9)  
(Cranes, derricks, etc.--Welding)

GRAVING, I....

Green light to welding. ...

(Welding)

KRIVENKO, N.M., inzh.

Automatic welding of chords and vertical walls on main bridge  
crane stringers. Svar. proizv. no.9:22-25 S '61.

(MIRA 14:8)

1. Leningradskiy zavod pod"yemno-transportnogo oborudovaniya  
imeni S.M. Kirova.

(Cranes, derrick, etc.—Welding)

L 14280-66 EWT(m)/EWP(w)/EWA(d)/T/EWP(t) IJP(c) JD/WW/GS

ACC NR: AT6008666

(N)

SOURCE CODE: UR/0000/65/000/000/0228/0235

AUTHORS: Akimov, L. M. (Kiev); Kononchuk, N. I. (Kiev); Skladnov, I. K. (Kiev);  
Zvarev, N. I. (Kiev); ~~Pliskin, S. M. (Kiev); Krivenko, M. P. (Kiev); Smirnov,~~  
Yu. N. (Kiev); Lazareva, N. M. (Kiev)

ORG: none

TITLE: Investigation of the effects of several factors on the fatigue character-  
istics of heat resistant alloys used for turbine blade manufacture 18

SOURCE: Vsesoyuznoye soveshchaniye po voprosam staticheskoy i dinamicheskoy  
prochnosti materialov i konstruktsionnykh elementov pri vysokikh i nizkikh  
temperaturakh, 3d. Termoprochnost' materialov i konstruktsionnykh elementov (Ther-  
mal strength of materials and construction elements); materialy soveshchaniya.  
Kiev, Naukova dumka, 1965, 228-235

TOPIC TAGS: heat resistant alloy, metal property, metal fatigue/ EI437B alloy,  
EI617 alloy, EI867 alloy

ABSTRACT: The effects of several factors on the fatigue characteristics of heat  
resistant alloys EI437B, EI617 and EI867 were investigated and compared with

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L 14280-66  
ACC NR: AT6008666

results obtained with a normal cylindrical fatigue specimen. The specimen shown in Fig. 1 was used to obtain fatigue curves ( $< 2 \cdot 10^7$  cycles) showing the effects

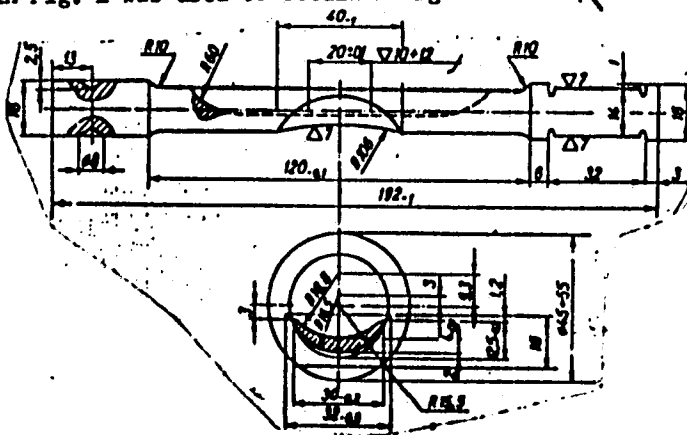


Fig. 1. Specimen geometry.

of shape (blade versus round specimen), environment (air and combustion products), cyclic heat loading, surface plating (calorizing), and temperature (373, 600, 873,

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L 14280-66

ACC NR: AT6008666

1070K) on the fatigue properties. It was found that the above factors had the following average effects on the fatigue strength: shape--20-30% lower than round specimen; combustion products--about 25% lower than in air; cyclic heat loads--EI437B (973-473-973K)--30% lower, EI617 (1073-473-1073K)--10% lower, EI867 (1173-473-1173K)--15% lower, calorizing--15% higher; decreased strength with increasing temperature. Orig. art. has: 7 figures.

SUB CODE: 11, 13, 21/      SUBM DATE: 19Aug65

Card 3/3

80

BUCHNEV, K.N., prof.; SHAKHMATOV, M.M., kand. veterinarnykh nauk;  
TITOV, V.L., nauchnyy sotrudnik; MEN'SHIKOV, L.F., nauchnyy  
sotrudnik; KRIYENKO, O.P., vrach-laborant; VOVK, V.I., vrach-  
laborant; LAISHEVA, M.M., vrach-laborant; POLUBOYAROVA,  
G.V., vrach-laborant

Diagnosis of rabies by precipitation reaction in agar gel.  
Veterinariia 40 no.3:66-70 Mr '63. (MIRA 17:1)

1. Alma-Atinskiy zooveterinarnyy institut (for Buchnev).
2. Laboratoriya virusologii nauchno-issledovatel'skogo veterinarnogo instituta Kazakhskoy akademii sel'skokhozyaystvennykh nauk (for all except Buchnev).

L 21128-66 EWT(m)/EWP(t) LIP(c) JD  
ACC NR: AP6009069

SOURCE CODE: UR/0185/66/011/003/0286/0292

AUTHOR: Bilyy, M. U.; Kryvenko, P. Y.; Krivenko, P. I.

ORG: State University im. T. G. Shevchenko, Kiev (Kiyivskiy Derzhuniversitet) 23

TITLE: Luminescence of solutions and alkaline-halide salts containing gold 27

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 11, no. 3, 1966, 286-292

TOPIC TAGS: luminescence, gold, halide, radiation spectrum

ABSTRACT: A laboratory study was performed in which a luminescent solution LiCl(HCl) + AuCl was prepared. Since gold chloride in aqueous solvents decomposes at room temperature almost instantaneously, a cold HCl was used as solvent. The solution manifested bright red luminescence on excitation by the light of a mercury lamp after freezing in liquid air. Pressed transparent disks of AuCl + KCl and AuCl salt also proved to be luminescent. The absorption spectrum of the pressed disks was measured. The measured radiation and excitation spectra coincide, within the limits of error, for solutions, pressed disks, and AuCl salt. With a drop in temperature the radiation spectra of the solutions and the AuCl salt exhibit a shift toward the long waves. The spectral characteristics obtained did not agree with the spectral characteristics of the crystallophosphor KCl - Au and the system of energy levels of the free Au<sup>++</sup> ion. A preliminary conclusion is drawn that the luminescence is caused by the AuCl molecule. Orig. art. has: 3 figures, and 5 formulas. [Based on authors' abstract] [JKP]

SUB CODE: 20/ SUBM DATE: 28 May 65/ ORIG REF: 009/ OTH REF: 004

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BELYY, M.U. [Bilyi, M.U.]; KRIVENKO, P.I. [Kryvenko, P.I.]

Effect of the temperature on the luminescence and absorption spectra of solutions of heavy metal salts. Part 7. Solutions of copper salts. Ukr. fiz. zhur. 10 no.4:420-426 Ap '65.

(MIRA 18:5)

1. Kiyevskiy gosudarstvennyy universitet im. Shevchenko.

KRIVENKO, P. M. -- "Investigation of the Influence of the Technical State of the Fuel Injectors on the Parameters of the Working Process of the DT-54 Tractor Motor." United Academic Council of the All-Union Sci Res Inst of Mechanization of Agriculture VIM and the All-Union Sci Res Inst of Electrification of Agriculture VIESKh, Moscow, 1955 (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No 24, 11 June 1955, Moscow, Pages 91-104

ARDASHEV, G.R.; MIKHAYLOV, I.N.; ZAMORSKIY, V.V.; DOVGICH, I.A.;  
SEVERNEV, I.M.; DOMAN'KOV, V.M.; Prinimali uchastiye:  
FEDOSOV, I.M.; KRIVENKO, P.M.; KUDRYAVTSEV, P.R.;  
BARABANOV, V.Ye.; BRIL', E.P., red.; PARSHIN, V.G., tekhn.  
red.

[Technical maintenance of the KD-35, KDP-35, and T38  
tractors] Tekhnicheskii ukhod za traktorami KD-35, KDP-35  
i T38. Moskva, Biuro tekhn.informatsii GOSNITI, 1962. 153 p.  
(MIRA 16:10)

1. Russia 1923- U.S.S.R.) Ministerstvo sel'skogo khozyaystva. 2. Gosudarstvennyy vsesoyuznyy nauchno-issledovatel'skiy tekhnologicheskii institut remonta i ekspluatatsii mashinno-traktornogo parka (for Ardashev, Mikhaylov, Fedosov, Krivenko, Kudryavtsev, Barabanov). 3. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva (for Zamorskiy Dvgich). 4. Beloruskiy nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva (for Severnev, Doman'kov).  
(Tractors--Maintenance and repair)

KRIVENKO, P.M., inzh.; FEDOSOV, I.M., inzh.; ROZIN, M.A., red.;  
DEYEVA, V.M., tekhn. red.

[Technical maintenance of diesel fuel apparatus] Tekhnicheskoe  
obezhivanie dizel'noi toplivnoi apparatury. Izd.2., perer. i  
dop. Moskva, Sel'khozizdat, 1962. 373 p. (MIRA 16:2)  
(Diesel engines--Fuel systems)

ARTEM'YEV, Yu.N., kand. tekhn. nauk; ASTVATSATUROV, G.G., inzh.;  
BARABANOV, V.Ye., inzh.; BARYKOV, G.A., inzh.; BISHOVATYY, S.I.,  
inzh.; GALAYEVA, L.M., inzh.; GAL'PERIN, A.S., kand. tekhn. nauk;  
GAL'CHENKO, I.I., inzh.; GONCHAR, I.S., kand. tekhn. nauk;  
DECTYAREV, I.L., kand. tekhn. nauk; DYADYUSHKO, V.P., inzh.;  
YERMAKOV, I.N., inzh.; ZHOTKEVICH, T.S., inzh.; ZUSMANOVICH, G.G.,  
inzh.; KAZAKOV, V.K., inzh.; KOZLOV, A.M., inzh.; KOROLEV, N.A.,  
inzh.; KRIVENKO, P.M., kand. tekhn. nauk; LAPITSKIY, M.A., inzh.;  
LEBEDEV, K.S., inzh.; LIBERMAN, A.R., inzh.; LIVSHITS, L.G., kand.  
tekhn. nauk; LOSEV, V.N., inzh.; LUKANOV, M.A., inzh.; LYUBCHENKO,  
A.N., inzh.; MAMEDOV, A.M., kand. tekhn. nauk; MATVEYEV, V.A.,  
inzh.; ORANSKIY, N.N., inzh.; POLYACHENKO, A.V., kand. tekhn. nauk;  
POFOV, V.P., kand. tekhn. nauk; PUSTOVALOV, I.I., inzh.;  
PYTCHENKO, P.I., inzh.; PYATETSKIY, B.G., inzh.; RABOCHIY, L.G.,  
kand. tekhn. nauk; ROL'BIN, Ye.M., inzh.; SELIVANOV, A.I., doktor  
tekhn. nauk; SEMENOV, V.M., inzh.; SKOROKHOD, I.I., inzh.; SLABODCHIKOV,  
V.I., inzh.; STORCHAK, I.M., inzh.; STRADYMOV, F.Ya., kand. tekhn.  
nauk; SUKHINA, N.V., inzh.; TIMOFEYEV, N.D., inzh.; FEDOSOV, I.M.,  
kand. tekhn. nauk; FILATOV, A.G., inzh.; KHODOV, L.P., inzh.;  
KHROMETSKIY, P.A., inzh.; TVETKOV, V.S., inzh.; TSEYTLIN, B.Ye.,  
inzh.; SHARAGIN, A.M., inzh.; CHISTYAKOV, V.D., inzh.; BUD'KO, V.A.,  
red.; PESTRYAKOV, A.I., red.; GUREVICH, M.M., tekhn. red.

(Continued on next card)

ARTEM'YEV, Yu.N.— (continued) Card 2.

[Manual on the repair of machinery and tractors] Spravochnik po  
remontu mashinno-traktornogo parka. Pod red. A.I.Selivanova.  
Moskva, Sel'khozizdat. Vols.1-2. 1962. (MIRA 15:6)  
(Agricultural machinery—Maintenance and repair)  
(Tractors—Maintenance and repair)

KRIVENKO, P.M., kand.tekhn.nauk; MIRONOV, A.P., kand.tekhn.nauk

Special features of the starting operation of a tractor diesel engine. Trakt. i sel'khoz mash. 32 no.1:3-5 Ja '62. (MIRA 15:2)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy tekhnologicheskiy institut (for Krivenko). 2. Nauchno-issledovatel'skiy avtotraktornyiy institut (for Mironov).

(Tractors)

KRIVENKO, P.M., kand. tekhn. nauk; GALUSHKO, F.L., inzh.

Experimental investigation of the kinematics of the pressure  
valve of a fuel pump. Trakt. i sel'khoz mash. 33 no.7:11-13  
J1 '63. (MIRA 16:11)

1. Gosudarstvennyy vsesoyuznyy nauchno-issledovatel'skiy  
tekhnologicheskii institut remonta i ekspluatatsii mashinno-  
traktornogo parka.



ALIMOV, A.G., inzh.; TIKHOMIROVA, K.A., inzh.; BERILOV, N.T., inzh.;  
PEREKRESTOV, V.I., inzh.; KRIVENKO, P.T., inzh.

Using a steam and oxygen mixture for accelerating the open-  
hearth smelting process. Stal' 24 no.10:895-896 0 '64.

(MIRA 17:12)

1. Zavod "Azovstal'".

LEPORSKIY, V.V.; SLEPKANEV, P.N.; ARKHANGEL'SKIY, Yu.N.; PODOL'SKAYA,  
G.A.; GLINKOV, G.M.; KAPUSTIN, Ye.A.; KALOSHIN, N.A.; KRIVENKO, P.T.

Operation of large tilting open-hearth furnaces with natural gas.  
Stal' 21 no.10:883-889 O '61. (MIRA 14:10)

1. Zavod "Azovstal'" i Zhdanovskiy metallurgicheskiy institut.  
(Open-hearth furnaces)

SVIRIDENKO, F.F., inzh.; KRIVENKO, P.T., inzh.; VISTOROVSKIY, N.T., inzh.

Characteristics of the procedure for converting phosphorous  
pig iron in redesigned open-hearth furnaces operating on natural  
gas. Stal' 23 no.8:700-704 Ag '63. (MIRA 16:9)  
(Steel--Metallurgy)  
(Open-hearth furnaces--Design and construction)

PHASE I BOOK EXPLOITATION SOV/5685

Fridlyander, I. N., Doctor of Technical Sciences, and B. I. Matveyev, Candidate of Technical Sciences, eds.

Teploprochnyy material iz spechennoy alyuminiyevoy pudry [SAP]; sbornik statey (Heat-Resistant Material From Baked Aluminum Powder [SAP]; Collection of Articles) Moscow, Oborongiz, 1961. 122 p. Errata slip inserted. 3,550 copies printed.

Reviewers: M. F. Bazhonov, Engineer, and M. Yu. Bal'shin, Candidate of Technical Sciences; Ed.: M. A. Bochvar, Engineer; Ed. of Publishing House: S. I. Vinogradskaya; Tech. Ed.: V. I. Oreshkina; Managing Ed.: A. S. Zaymovskaya, Engineer.

PURPOSE : This collection of articles is intended for scientific workers and engineers in the institute and plant laboratories of the metallurgical and machine-building industry; it may also be useful to instructors and advanced students.

COVERAGE: The 12 articles contain the results of research on the structure, properties, and manufacture of semifinished products  
Card 1/5

Heat-Resistant Material From (Cont.)

SOV/5685

from sintered aluminum powder. The technology for the manufacture of aluminum powder and briquets is described as are sintering processes, and pressing, rolling, drawing, and sheet-stamping methods. The dependence of the properties of semifinished products on the aluminum-oxide content of the powder, on the degree of hot and cold deformation, and on the stresses of pressing is investigated. Also investigated are the mechanical and corrosive properties of semifinished products, the mechanism of hardening of sintered aluminum powder, the reasons for blister formation, and the possibility of recrystallization. Data on sintered aluminum alloys are included. No personalities are mentioned. References in the form of footnotes accompany the articles.

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Gerchikova, N. S., N. I. Kolobnev, M. G. Stepanova, and I. N. Fridlyander. Effect of Aluminum-Oxide Content on the Structure  
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Heat-Resistant Material From (Cont.)	SOV/5685	
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Stepanova, M. G., G. P. Zenkov, Ye. M. Lekarenko, and L. A. Sarul'. Aluminum Powder for SAP		17
The work was carried out with the participation of G. N. Pokrovskaya, Chief of TsZL; R. V. Nesterenko, Acting Chief of the Shop; and Engineers L. I. Kibitova, N. D. Chumak, and N. I. Kolobnev.		
Matveyev, B. I., M. G. Stepanova, and N. I. Kolobnev. Effect of Specific Pressure in Pressing on Properties of Semifinished Products From SAP		30
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The work was carried out with the participation of Engineers A. V. Fedotova and I. R. Khanova, and Senior Technician L. S. Perevyazkin.		

Card 3/5

Heat-Resistant Material From (Cont.)

SOV/5685

Murzov, A. I. [Candidate of Technical Sciences], S. I. Nomofilov [Engineer], and V. A. Shelamov [Engineer]. Rolling of Sheets From SAP

50

The work was carried out with the participation of Engineer R. F. Filimonova and Technicians V. I. Sverlov and O. A. Kolosov.

Matveyev, B. I., N. A. Davydova, and I. R. Khanova. Study of the Effect of the Degree of Deformation on the Properties and Structure of Pressed Semifinished Products and Cold-Rolled Sheets From SAP

59

The work was carried out with the participation of L. S. Perevyazkin and O. A. Kolosov.

Davydov, Yu. P., and G. V. Pokrovskiy. Stamping of Sheets From SAP

66

Litvintsev, A. I., and E. P. Belova. X-Ray Diffraction Study of the Oxide Phase in SAP

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1-D

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AVAILABLE: Library of Congress

JA/wrc/jw  
10-27-61

Card 5/5



LOKTIONOVA, N.A.; KULAKOV, V.I.; KRIVENKO, R.A.; TEYTEL', I.L.

Reducing residual stresses in aluminum alloy ingots. Metalloved.  
i term. obr. met. no.11:46-47 N '63. (MIRA 16:11)

... .. M. Agarkov, S. J. ... .. R. A

...

... .. powder ... ..

...

... .. 206 and 206 aluminum alloys ... .. powder ne-

... .. the mechanical properties ... ..

SECRET

REF ID: A74012729

alloy, nickel containing alloy, zirconium containing alloy, titanium containing alloy, etc.

additions of Zn produced no appreciable effect. Additions of SiC produced quality

Card 1/2

... ..

... .. strength in alloys prepared  
... ..  
... .. Addition of Al were found to have a marked effect  
... .. Al. Alloys composed of Al, Si, and SiC possess high mechanical

SECRET



KRIVENKO, R.A.

Calculation of packed towers for the rectification of binary  
mixtures under vacuum. Khim. prom. 41 no. 12:913-917 D '65  
(MIRA 19:1)



L 40991-66 EWP(e)/EWT(m)/EWP(t)/ETI/EWP(k) LJP(c) JH/MJW/JD  
ACC NR: AT6024935 (N) SOURCE CODE: UR/2981/66/000/004/0232/0237

AUTHOR: Komissarova, V. S.; Kireyeva, A. F.; Klyagina, N. S.;  
Krivenko, R. A.

ORG: none

TITLE: Corrosion resistance of the new sintered aluminum alloys

SOURCE: Alyuminiyevyye splavy, no. 4, 1966. Zharoprochnyye i vysoko-  
prochnyye splavy (Heat-resistant and high-strength alloys), 232-237

TOPIC TAGS: ANODIZATION, ALLOY COMPOSITIONS  
aluminum alloy, ~~dispersion strengthened metal~~, high  
strength alloy, ~~sintered aluminum powder~~ alloy, corrosion resistance /  
SAS aluminum alloy

ABSTRACT: The corrosion behavior of six SAS series aluminum alloys  
(see Table 1) was tested in a 3% solution of NaCl + 0.1% H<sub>2</sub>O<sub>2</sub> for 22  
days, and also in the atmosphere of an industrial area for 3 years.  
Simultaneously, D16 and AK4 aluminum alloys were tested for comparison.  
Some SAS-1 alloy specimens were anodized and some were anodized and  
varnished. The corrosion susceptibility was evaluated from the weight  
loss and from the drop in strength and ductility. It was found that  
the corrosion resistance of SAS-1 and SAS-3 alloys in the industrial  
atmosphere was equal to that of AK4 alloy, with a loss of strength of

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I 40991-66

ACC NR: AT6024935

Table 1. Composition of SAS aluminum-base alloys.

Alloy	Chemical composition, %											
	Si	Mg	Ni	Cr	Zn	Mg	Cu	Zr	Fe	Li	Mn	Ti
SAS-1	29.15	—	3.85	—	—	—	—	—	—	—	—	—
SAS-1	30.0	—	7.0	—	—	—	—	—	—	—	—	—
SAS-1	30.0	—	5.0	—	—	—	—	—	—	—	—	—
SAS-1	31.6	—	5.1	—	—	—	—	—	—	—	—	—
SAS-3	32.8	—	—	2.3	—	—	—	—	—	—	—	—
SAS-4	13.4	16.25	—	—	—	—	—	—	—	—	—	—
D16	0.3	—	—	—	0.6	—	4.8	—	0.2	—	1.4	—
AK-4	—	—	1.3	—	—	1.6	2.1	—	1.4	2.1	—	0.09

23.3—27.4% for the former and 28.6% for the latter in 3 years and a weight loss of 0.0017—0.0030 g/cm<sup>2</sup> for the former and 0.0029 for the latter. In the 22-day test in a 3% solution of sodium chloride, the SAS-1 alloy strength loss amounted to 60.5—63.0% and the weight loss to 0.377—0.480 g/cm<sup>2</sup>. Corresponding figures for D16 alloy were 11.9% and 0.063 g/cm<sup>2</sup> and for AK4 alloy, 24.2% and 0.063 g/cm<sup>2</sup>. SAS-4

alloy, however, after 40 days in a 3% sodium chloride solution, showed no changes in strength and ductility. Anodizing and anodizing with varnishing greatly improved the corrosion resistance of SAS-1 and lowered the strength loss by a factor of 1.5 and 5—6, respectively. Orig. art. has: 3 figures and 5 tables. [TD]

SUB CODE: 11 / SUBM DATE: none/ ATD PRESS: 5057

Card 2/2 11b

I. 110956-66 EWT(m)/ENP(k)/ENP(e)/ENP(t)/ETI IJP(c) JH/JG/WF/JU

ACC NR: AT6024930

SOURCE CODE: UR/2981/66/000/004/0202/0207

AUTHOR: Palatnik, L. S.; Padorov, G. V.; Klyagina, N. S.; Krivenko, R. A.;  
D'yachenko, S. S.; Fridlyander, I. N. (Doctor of technical sciences)

52  
3+1

ORG: none

TITLE: Obtaining highly dispersed metal powders by vaporization in argon

SOURCE: <sup>16</sup>Aluminiyevyye splavy, no. 4, 1966. Zharoprochnyye i vysokoprochnyye splavy (Heat-resistant and high-strength alloys), 202-207

TOPIC TAGS: metal powder, ultra fine powder, powder, <sup>METAL</sup>production, VAPOR CONDENSATION  
ALUMINUM POWDER

ABSTRACT: Certain processes associated with the condensation of metal vapors in an inert-gas atmosphere have been investigated. It was found that in the argon atmosphere, condensation of metal vapors takes place in a limited space-condensation zone. The size of the condensation zone decreases with increasing vaporization rate and inert-gas pressure. On an experimental scale, ultrafine powders of several metals were obtained. The magnesium, cadmium, and zinc powders had an average particle size of 0.001 mm; the particle size of copper and aluminum powders was 0.00005. The size of copper and aluminum particles does not depend very greatly on the variation in the rate of vaporization and the pressure of inert gas. Orig. att. has: 7 figures. [TD]

SUB CODE: 11 / SUBM DATE: none/ ORIG REF: 004/ ATD PRESS: 5057

Card 1/1 05

ACC-NR: AT6024933 SOURCE CODE: UR/2981/66/000/004/0219/0223

AUTHOR: Krivenko, R. A.; Klyagina, N. S.; Tsabrov, N. D.; Fridlyander, I. N. 40  
39

ORG: none 11

TITLE: Properties of a sintered aluminum alloy with a low linear expansion coefficient

SOURCE: Alyuminiyevyye splavy, no. 4, 1966. Zharoprochnyye i vysokoprochnyye splavy (Heat resistant and high-strength alloys), 219-223

TOPIC TAGS: sintered alloy, aluminum alloy production / SAS-1 sintered alloy 27

ABSTRACT: A process was developed for pressing sintered aluminum alloys (SAA) with low linear expansion coefficients, specifically, the SAS-1 alloy, and the properties of the latter were studied. Analysis of the plastic properties showed that the plasticity maximum of SAS-1 is located in the 530-450°C range, and that the plasticity is markedly affected by the temperature and rate of deformation: as the latter increases, the plasticity decreases. In subsequent studies, a process for briquetting and pressing semifinished products from SAA was developed. The effect of temperature, pressure, time of holding under pressure during briquetting, temperature and degree of deformation during pressing, rate of discharge of the metal, various types of lubricants, etc. on the compactability, mechanical properties, and structure of the alloy was determined. SAS-1 was found to soften slowly with rising temperature, and to have

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ACC NR: AT6024933

the same strength at 400°C as one of the most heat resistant aluminum materials, SAP-1. Preliminary tests showed SAS-1 to have the lowest coefficient of friction as compared to other aluminum alloys: without anodic coating, 0.25 (dry friction); with anodic coating, 0.25 (dry friction). Orig. art. has: 2 figures and 2 tables.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 001

Card 2/2 mt

*Krivenko, S.*

27-58-3-3/17

**AUTHORS:** Yan'shin, A., School-Director; Krivenko, S., Deputy-Director of the Production Study Section, and Lyskovtsev, N., Senior Foreman

**TITLE:** Experience in Organizing Practical Training (Opyt organizatsii proizvodstvennoy praktiki)

**PERIODICAL:** Professional'noye Tekhnicheskoye Obrazovaniye, 1958, # 3, pp 6-8, (USSR)

**ABSTRACT:** The teaching staff of the School of Agricultural Mechanization # 19 is endeavoring to give the student-mechanizers good practical training. For this purpose, MTS or sovkhoz personnel were sent to carry out practical training in their home areas, and tractor brigades, headed by one master, were organized and attached to areas of 1000 - 1500 hectares. Altogether 20 groups, of 31 students each, were formed. The training was organized in such a manner that the students were able to work as tractor-operators during spring sowing, and as combiners during the harvest. The results of this practical training and of the work of tractor brigades is given, plus a table, indicating work carried out during the harvest. Repair work of tractors and combines was carried out before the harvest. In this way, practical training im-

Card 1/2

Experience in Organizing Practical Training

27-58-3-3/17

proves the professional level of apprentice-mechanizers and is a great help to MTS, sovkhoses and kolkhozes.

ASSOCIATION: Uchilishche mekhanizatsii sel'skogo khozyaystva # 19  
(School of Agricultural Mechanization # 19 (Altayskiy kray))

AVAILABLE: Library of Congress

Card 2/2

SYSUYEV, V., inzh. (Penzenskaya obl.); KRIVENKO, V., inzh. po ratsionallizatsii i izobretatel'stvu (Zaporozh'ye); KRIVOSHEYEV, V., inzh. (Khar'kov); KOSAREV, S.; SIDORKIN, G., mekhanik (Ashkhabad)

Conceived and realized. Izobr. i rats. no.12:24-25 '63.  
(MIRA 17:2)

1. Upravlyayushchiy trestom "Grazhdanstroy" Udmurtskogo soveta narodnogo khozyaystva (for Kosarev).







HR A75002163

ENCLOSURE 01

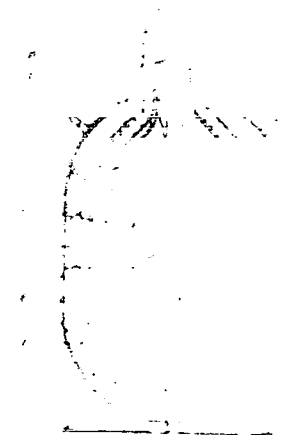


Fig. 1. Diagram of...

KRIVENKO, V.I.; RABINOVICH, G.B.; SERGIYENKO, V.D.; STOROZHNIK, D.A.

Operation of the mechanical equipment of blast furnaces with  
a 2,000 ? capacity. Stal' 24 no.10:871-874 0 '64.

(MJRA 17:12)

KORSHIKOV, O.A.; ROLL, Ya.V., redaktor; OKSNER, A.M., doktor biologicheskikh nauk, redaktor; TOPACHEVS'KIY, O.V., kandidat biologicheskikh nauk, redaktor; KRIVENKO, V.V., redaktor; SIVACHENKO, E.K., tekhredaktor.

Subclass Protococcinae: Vacuolales and Protococcales. Vyznachnyk prysnovodnykh vodorostei Ukraini's'koi RSR no.5:3-437 '53. (MIRA 8:4)  
(Ukraine--Algae)

RASKIN, V.M., inzh.; KRIVENKO, V.Ye., inzh.

Modernization of the A-547r hose-type semiautomatic machine  
for use in the welding of sanitary pipe billets. Svar. proizv.  
no.8:32-33 Ag '65. (MIRA 18:8)

1. Treat "Ukrmontazhorgstroy".

KRIVENKO, V. Ye., Inzh.

Universal polarity indicator. Svar.proizv. no. 11140 N 164.  
(MIRA 18-1)

KRIVENKO, V.Ye., inzh.

Using steel instead of copper tips for the PSh-54 semiautomatic welder. Svar. proizv. no.2:41 F '65.

(MIRA 18:3)

1. Trest "Zaporozhmetallurgmontazh".



KRIVENKO, Ya.N.

New principles in the organization of the operations of  
stations and approach lines. Zhel.dor.transp. 42 no.2:  
32-37 F '60. (MIRA 13:5)

1. Nachal'nik Donetskoy dorogi, g.Stalino.  
(Railroads--Stations)

KRIVENKO, Ya.N.

A complete cycle of combined track repair work accomplished during  
a single traffic "interval." Put'i put.khoz. 5 no.8:2-6 Ag '61.  
(MIRA 14:10)

1. Nachal'nik Donetskoy dorogi.  
(Railroads--Maintenance and repair)

KRIVENKO, Ya.N. (Donetsk)

Need for the consolidation of the main and industrial  
transportation. Zhel.dor.transp. 43 no.12:43-46 D '61.  
(MIRA 15:1)

1. Nachal'nik Donetskey dorogi.  
(Railroads--Consolidation)

KRIVENKO, Ya.N.; GUSEV, M.I.; ARUTYUNOV, V.A.; EKEZLI, S.S.;  
CHERKASSKIY, L.N., inzh., retsenzent; GULEV, Ya.F.,  
kand. tekhn.nauk, red.; USENKO, L.A., tekhn. red.

[Organization of rhythmic operations on railroads; experi-  
ence of the Donetsk Railroad] Organizatsiia ritmichnoi ra-  
boty dorogi; opyt Donetskoï zhel.d. Moskva, Transzhél-  
dorizdat, 1963. 71 p. (MIRA 16:4)

(Railroads--Management)

KRIVENKO, Ye.I.; GRIPAS, Ye.I.

Protection of automobiles for a long sea voyage to a tropical  
area. Avt.1 trakt.prom. no.3:40-42 Mr '57. (MLRA 10:5)

1. Nauchno-issledovatel'skiy avtomotorny institut.  
(Automobiles--Transportation)

KRIVENKO, Y. S., 1958.

Ing. Y. S. Krivenko, "Worm Drives of Long Life and High Efficiency."

paper presented at the 2nd All-Union Conf. on Fundamental Problems in the Theory of Machines and Mechanisms, Moscow, USSR, 24-28 March 1958.

KRIVENKO, Ye.S.; SMIRNOV, A.I.

Second Plenum of the Central Committee of the Trade Union of  
Workers Employed in Geological Prospecting. Razved. i okh. nedr.  
26 no.11:50-54 N '60. (MIRA 13:12)

1. Redaktsiya zhurnala "Razvedka i okhrana nedr" (for Krivenko).
2. Tsentral'nyy komitet profsoyuza rabochikh geologorazvedochnykh  
rabot (for Smirnov).

(Prospecting)

KRIVENKO, Ye.S.; SMIRNOV, A.I.

Second Plenum of the Central Committee of the Trade Union of  
Workers of the Geological Prospecting Organizations. Razved.  
i okh. nedr 27 no.4:50-53 Ap '61. (MIRA 14:5)

1. Redaktsiya zhurnala "Razvedka i okrana nedr" (for Krivenko).
2. Tsentral'nyy komitet profsoyuza rabochikh geologorazvedochnykh  
rabot (for Smirnov).  
(Prospecting) (Hours of labor)



KRIVENKO, Ya.S.; SMIRNOV, A.I.

Fourth Plenum of the Central Committee of the Trade Union of  
Geological Prospecting Workers. Razved. i okh. nedr 27 no.8:  
55-59 Ag '61. (MIRA 16:7)

1. Redaktsiya zhurnala "Razvedka i okhrana nedr" (for Krivenko).
2. Tsentral'nyy komitet professional'nogo soyuza rabochikh  
geologorazvedochnykh rabot (for Smirnov).  
(Prospecting—Congresses)

KIRYUKHIN, I.I.; KRIVENKO, Ye.S.

Fifth Plenum of the Central Committee of the Trade Union of Prospecting Workers. Razved. i okh. nedr 28 no.2:54-57 F '62.

(MIRA 15:3)

1. Tsentral'nyy komitet profsoyuza rabochikh geologorazvedochnykh rabot (for Kiryukhin). 2. Zhurnal "Razvedka i okhrana nedr" (for Krivenko).

(Prospecting) (Trade unions)

KRIVENKO, Ye.S.; SMIRNOV, A.I.

Fourth Plenum of the Central Committee of the Trade Union  
of Prospecting Workers. Razved. i okh. nedr 29 no.9:57-61  
S '63. (MIRA 16:10)

1. Redaktsiya zhurnala "Razvedka i okhrana nedr" (for Krivenko).
2. Tsentral'nyy komitet professional'nogo soyuza rabochikh geologorazvedochnykh rabot (for Smirnov).

KRIVENKO, Ye.S.

In the Central Committee of the Trade Union of Workers Employed  
in geological prospecting. Razved. i okh. nedr 30 no.10:57-60  
0 '64. (MIRA 18:11)

1. Redaktsiya zhurnala "Razvedka i okhrana nedr."

YRIVENKOV, A.M., kand.geograficheskikh nauk

Wind erosion and problems in combating sand dunes in the Pribalkhanskii District. Uch.zap.Chard.gos.pod.inst. no.2:87-98 '57. (MIRA 12:8)

(Pribalkhanskii District--Sand)

KRIVENKOV, A.M.

Physical erosion of argillites and aeolian origin of the Yagman--  
Kara-Chagyl area sands. Izv. AN Turk. SSR no.5:37-43 '57.

(MIRA 10:10)

1. Institut geologii AN Turkmenskoy SSR.  
(Balkhan--Erosion)  
(Argillites)

KRIVENKOV, A.M.

All-Union Interdepartmental Conference on the Study of the  
Quaternary Period. Izv.AN Turk. SSR no.5:141-143 '57. (MIRA 10:10)

1. Institut geologii AN Turkmenskoy SSR.  
(Moscow--Geology, Stratigraphic--Congresses)

KRIVENKOV, A.M.

Microfauna of aeolian sands in the Balkhan region. Izv. AN Turk.  
SSR no.4:106-110. '58. (MIPA 11:10)

1. Institut geologii AN Turkmenskoy SSR.  
(Balkhan region--Sand) (Paleontology, Stratigraphic)



KRIVENKOV, A.M.; NAGINSKIY, N.A.

First Republic conference on the study of the Quaternary period  
of the Turkmen S.S.R. Izv.AN Turk.SSR no.4:86-91 '59.

(Turkmenistan--Geology, Stratigraphic) (MIRA 13:8)

KRIVENKOV, A.M.; AMURSKIY, G.I.

First Republic conference on the study of the Quaternary period  
of the Tajik S.S.R. Izv, AN Turk.SSR no.4:91-93 '59.  
(MIRA 13:8)  
(Tajikistan--Geology, Stratigraphic)

KRIVENKOV, A. M.

Content of microfauna in eolian sands of the Kara-Bogas-Gol  
region. Trudy Inst. geol. AN Turk. SSR 3:75-90 '60.  
(MIRA 16:1)

(Kara-Bogas-Gol(Gulf) region--Micropaleontology)

KRIVENKOV, A. M.

Sandy massifs of the Kara-Bogas-Gol region. Trudy Inst. geol.  
AN Turk. SSR 3:199-269 '60. (MIRA 16:1)

(Kara-Bogas-Gol(Gulf) region--Sand)

KRIVENKOV, A.M.; AMURSKIY, G.I.

First Conference of the Tajik Republic on the Quaternary  
Research. Biul. Kom. chetv. per. no.24:148-150 '60.  
(MIRA 16:7)

(Tajikistan--Geology--Congresses)

KRIVENKOV, A.M.

Geomorphological problems at the Central Asian and Kazakh Inter-  
departmental Conference on the Study of the Quaternary Period. Izv.  
AN Turk.SSR.Ser.fiz.-tekhn., khim.; i geol.nauk no.3:127-128 '61.  
(MIRA 14:7)

1. Institut geologii AN Turkmenskoy SSR.  
(Soviet Central Asia--Geology--Congresses)  
(Kazakhstan--Geology--Congresses)

KRIVENKOV, A.M.

Intensity of the deflation and weathering in some desert regions  
as revealed by the studies in the southwestern part of Turkmeria.  
Trudy Inst. geol. AN Turk. SSR 4:336-361 '62. (MIRA 16:7)  
(Turkmenistan--Weathering) (Turkmenistan--Landforms)

KRIVENKOV, D.S.; TSIKHONYA, M.L.; SEDYKH, M.V.

Productive mining methods at the Klichka mine. Biul. TSIIN tsvet.  
met. no.8:13-14 '58. (MIRA 11:6)  
(Nerchinsk Range--Mining engineering)



KRIVENKOV, F., mekhanik

Maintenance of steam power plants. Rech. transp. 22 no.9:37  
S '63. (MIRA 16:10)

1. Parokhod "Doktor Inozemtsev."

KRIVENKOV, G.N., kapitan meditsinskoy sluzhby; KOVAL'CHUK, V.N., kapitan  
meditsinskoy sluzhby

Distribution of epidermophytosis among personnel and measures  
for its prevention. Voen.-med.zhur. no.7:60-62 J1 '59.  
(MIRA 12:11)

(RINGWORM epidemiol)  
(ARMED FORCES PERSONNEL dis)

KRIVENKOV, G. N.

Cand Med Sci - (diss) "Effect of ionizing radiation on the course of the vaccine process and the development of immunity with the use of living brucellosis vaccine. (Experimental study)." Leningrad, 1961. 16 pp; (Ministry of Public Health USSR, Central Scientific Research Inst of Medical Radiology); 180 copies; price not given; (KL, 5-61 sup, 203)

MASLOV, A.I., podpolkovnik med. sluzhby; KRIVENKOV, G.N., kapitan med.sluzhby

Aerogenic immunization and reimmunization with live brucellosis  
vaccine following the action of ionizing radiation. Voen.-med.  
zhur. no. 2:27-31 F '61. (MIRA 14:2)  
(BRUCELLOSIS) (RADIATION SICKNESS)

KRIVENKOV, G.N., kapitan meditsinskoy sluzhby

Influence of X rays on immunogenesis in guinea pigs vaccinated  
with live brucellosis vaccine. Voen.-med. zhur. no.4:52-54 Ap  
'61. (MIRA 15:6)

(X RAYS--PHYSIOLOGICAL EFFECT)  
(BRUCELOSIS) ~~---~~ (IMMUNITY)

BECHAROV, T.N., podpolkovnik meditsinskoj sluzhby; KRIVONOS, G.I.,  
mayor meditsinskoj sluzhby, kand.med.nauk

Methods of increasing the effectiveness of disinfection of  
equipment. *Vostochno-meditsinskij zhurnal*, no.2:60 '63. (MIRA 17:9)

KRIVENKOV, G.N.; NGUEN TKHE KHAN'

Diagnostic and prognostic significance of studying the phagocytic reaction of the body in leukemia and lymphogranulomatosis. Report No.1: New methodology of observing the dynamic digestive capacity of leucocytes. Zhur.mikrobiol., epid. i immun. 42 no.10:84-89 0 '65.

(MIRA 18:11)

1. Submitted July 6, 1964.

ANGELEYKO, V.I. (Khar'kov); ZOTKIN, G.V. (Khar'kov); FEDORETS, V.M.  
(Khar'kov); ISKHAKOV, S.I. (Khar'kov); KRIVIZHKOV, K.V.  
(Khar'kov); RYBIN, A.S. (Khar'kov).

New grindstones. Put' i put. khoz. 8 no.11:26-27 '64  
(MIRA 18:2)



AGOSHKOV, M.I.; BUD'KOV, A.V., kand.tekhn.nauk; KRIVENKOV, N.A.,  
gornyy inzh.

Evaluation of the basic variations in the system of sublevel  
caving and ways of developing it in the Krivoy Rog Basin.  
Gor. zhur. no.7:24-30 J1 '61. (MIRA 15:2)

1. Institut gornogo dela im. A.A.Skochinskogo. 2. Chlen-  
korrespondent AN SSSR (for Agoshkov).  
(Krivoy Rog Basin—Iron mines and mining)

BUD'KO, A.V., kand.tekhn.nauk; KRIVENKOV, N.A., gornyy inzh.

Effect of wider use of electric power on increased labor  
productivity according to the system of mining. Gor.zhur.  
no.8:13-16 Ag '62. (MIRA 15:8)

1. Institut gornogo dela im. Skochinskogo, Moskva.  
(Electricity in mining) (Labor productivity)

VERSHININ, V.V.; KRIVENKOV, N.A., KURCHUK, Ye.I.

SPP dry dust collectors. Gor.zhur. no.5:69-70 My '60. (MIRA 14:3)

1. Tsentral'nyy nauchno-issledovatel'skiy ekonomicheskii institut Gosplana RSFSR (for Vershinin). 2. Institut gornogo dela AN SSSR (for Krivenkov).

(Mine dusts)

(Dust collectors—Cold weather conditions)

AGOSHKOV, M.I.; BUD'KO, A.V.; ARUTYUNOV, K.G.; BOGDANOV, G.I.;  
KRIYENKOV, N.A.; Primali uchastiye: ZAMESOV, N.A.;  
GAGULIN, M.V.; KRASAVIN, G.A.; VORONYUK, A.S.;  
KOSTAN'YAN, A.Ya., red.izd-va; ASRAF'YEVA, G.A., tekhn.  
red.; SIMKINA, G.S., tekhn. red.

[Analysis of the development systems of mines in the Krivoy  
Rog Basin] Analiz sistem razrabotki rudnikov Krivorozhskogo  
bassoina. Moskva, Izd-vo AN SSSR, 1963. 184 p.

1. Chlen-korrespondent AN SSSR (for Agoshkov). (MIRA 17:3)

BUD'KO, A.V. Prinsipialni uchastiye: BOGDANOV, G.I.; ZAKALINSKIY,  
V.M.; KRIVEL'KOV, N.A.; TOLOCHKO, M.K.; MALAKHOV, G.M.,  
prof., doktor tekhn.nauk, redtsnzent

[Automation of stoping operations] Avtomatizatsiia ochi-  
strykh robot. Moskva, Izd-vo "Nedra," 1964. 133 p.  
(MIRA 17:6)

AGOSHKOV, M.I.; BUD'KO, A.V., kand. tekhn. nauk; KRIVENKOV, N.A., *gornyy*  
inzhener

End drawing of ore. Gor.zhur. no.2:38-42 P '64. (MIRA 17:4)

1. Chlen-korrespondent AN SSSR (for Agoshkov). 2. Institut  
gornogo dela imeni A.A.Skochinskogo (for Krivenkov).

CHUGUNOV, L.F., inzh.; LISOVSKIY, I.I., inzh.; YARMIZIN, V.A., inzh.;  
KUMEKHOV, B.S., inzh.; VERGUS, N.G., inzh.; KRIVENKOV, N.A.  
kand. tekhn. nauk

Technical progress at the "Molibden" Mine. Gor. zhur. no.9:6-10  
S 165. (MIRA 18:9)

1. Tyrnauzskiy vol'framo-molibdenovyy kombinat (for Chugunov,  
Lisovskiy, Yarmizin, Kumekhov, Vergus). 2. Institut gornogo  
dela im. A.A.Skochinskogo (for Krivenkov).

BUD'KO, A.V.; KRIVENKOV, N.A.; ARUTYUNOV, K.G.; IOFIN, S.I.; DRONOV, N.V.;  
FOKIN, Yu.N.; CHUGUNOV, I.F.; VERGUS, N.G.; KUTUZOV, D.S.; TEN, N.A.;  
FILIPPOV, N.I.; SHNAYDER, M.F.

Experiences in using the caving system with end drawing of ore.  
Gor. zhur. no.8:22-26 Ag 165. (MIRA 18:10)

1. Institut gornogo dela im. A.A. Skochinskogo (for Bud'ko, Krivenkov, Arutyunov).
2. Vsesoyuznyy nauchno-issledovatel'skiy gornometallurgicheskiy institut tsvetnykh metallov (for Iofin, Dronov, Fokin).
3. Tyrnyauzskiy kombinat (for Chugunov, Vergus).
4. Leninogorskiy polimetallicheskiy kombinat (for Kutuzov, Ten, Filippov, Shnayder).



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KRIVENKOV, Yu. P.

AUTHOR: KRIVENKOV, Yu. P.

20-3-1/46

TITLE: On a Certain Representation of the Solutions of the Equation of Euler-Poisson-Darboux (O nekotom predstavlennii reshenii uravneniya. Eylera-Puassona-Darbu)

PERIODICAL: Doklady Akad. Nauk SSSR, 1957, Vol. 116, Nr. 3, pp. 351-354 (USSR)

ABSTRACT: Let  $T$  be a simply connected domain of the upper halfplane  $y > 0$  which joins the interval  $L$  of the  $x$ -axis. With respect to the  $x$ -axis let  $\bar{T}$  be symmetrical to  $T$ . Let  $T$  or  $\bar{T}$  belong to the class  $B$  if  $T \cup L \cup \bar{T}$  is such that the connecting line of two arbitrary points of  $T \cup L \cup \bar{T}$  with the same abscissas lies entirely in  $T \cup L \cup \bar{T}$ . Let  $C_2(T)$  be the class of functions continuous in  $T \cup L$  and two times continuously differentiable. Let to  $H_2(T)$  belong those functions of  $C_2(T)$  which on  $L$  satisfy the condition

$$(1) \quad \lim_{y \rightarrow 0} y^e \frac{\partial w}{\partial y} = 0,$$

where  $w$  is defined below.

Theorem: Every solution  $w(x, y) \in C_2(T)$  of the equation

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On a Certain Representation of the Solutions of the Equation  
of Euler-Poisson-Darboux

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$$(2) \quad \frac{\partial^2 w}{\partial x^2} + \frac{\partial^2 w}{\partial y^2} + \frac{c}{y} \frac{\partial w}{\partial y} = 0, \quad c = \text{const}, \quad c > 0$$

for  $c \geq 1$  and every solution  $w(x, y) \in N_2(\mathbb{T})$  of (2) for  $0 < c < 1$   
can be represented in  $\mathbb{T} \in B$  in the form

$$\gamma\left(\frac{c}{2}\right) \int_0^1 \frac{\varphi[x+iy(1-2\sigma)] d\sigma}{[\sigma(1-\sigma)]^{1-c/2}}, \quad \gamma\left(\frac{c}{2}\right) = \frac{\Gamma(c)}{\Gamma^2\left(\frac{c}{2}\right)}.$$

Here  $\varphi(z)$  is a function of a complex variable analytic in  
 $\mathbb{T} \cup L$  and on  $L$  there holds  $w(x, 0) = \varphi(x)$ .

ASSOCIATION: Physical-Technical Institute, Moscow (Moskovskiy fiziko-tehnicheskii  
institut)

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KRIVENKOV, YU.P.

20-4-6/51

**AUTHOR:** KRIVENKOV, Yu.P.

**TITLE:** Representation of the Solutions of the Euler-Poisson-Darboux Equation by Analytic Functions (Predstavleniye resheniy uravneniya Eylera-Puassona-Darbu cherez analiticheskiye funktsii)

**PERIODICAL:** Doklady Akademii Nauk SSSR, 1957, Vol. 116, Nr. 4, pp. 545-548 (USSR)

**ABSTRACT:** The author gives an improvement of an earlier result [Ref. 1]. With the notations of [Ref. 1] there holds the following Theorem: If the solution  $w(x, y)$  of

$$(1) \quad \frac{\partial^2 w}{\partial x^2} + \frac{\partial^2 w}{\partial y^2} + \frac{c}{y} \frac{\partial w}{\partial y} = 0, \quad c = \text{const}$$

belongs to the class  $C_2(\Gamma)$  or

$$(2) \quad \lim_{y \rightarrow 0} y^c \frac{\partial w}{\partial y}$$

on  $L$  in  $x$  assumes analytic values, then there exists a region  $\sigma$  joining  $L$  such that the solution in  $\sigma$  can be represented in the form

$$(3) \quad w(x, y) = \gamma \left(\frac{c}{2}\right) \int_0^1 \frac{\varphi[x+iy(1-2\sigma)] d\sigma}{[\sigma(1-\sigma)]^{1-c/2}} + \gamma \left(1 - \frac{c}{2}\right) \left(\frac{y}{1-c}\right)^{1-c} \int_0^1 \frac{\psi[x+iy(1-2\sigma)] d\sigma}{[\sigma(1-\sigma)]^{c/2}}$$

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