

ALEKSEYEV, A.I., inzhener.

Low temperature welding with the use of induction heating. Vest.mash. 33 no.
10:79-80 0 '53. (MLRA 6:10)

(Electric welding)

ALLESLEY, A. I.

AID P - 318

Subject : USSR/Engineering

Card : 1/1

Authors : Gul'be, L. E. and Alekseyev, A. I., Engineers

Title : A simplified procedure for the automatic welding of pipes. (Practice of the Trust Uralstal'konstruktsiya)

Periodical : Sbor. mat. o nov. tekhn. v stroi., 3, 10-13, 1954

Abstract : A special travelling platform has been designed with roller stands on which large diameter pipes (\varnothing 1.3 m - 1.9 m) can be placed and turned over for automatic welding. For this welding the universal welding tractor TS-17 was used. The construction of tractor TS-17 was designed by the Welding Institute of the Academy of Sciences, USSR, and the whole process of welding carried out by the Collective of Metallic Constructions of the Magnitogorsk Plant. 4 charts show the details of this installation.

Institution : None

Submitted : No date

DMITRIYEV, Petr Vasil'yevich; ALEKSEYEV, A.I., inzh., retsenzent;
PINTUSOV, I.M., inzh., red.; DUGINA, N.A., tekhn.red.

[Mechanization in the manufacture of metallic structures]
Mekhanizatsia v proizvodstve metallokonstruktsii. Moskva,
Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 90 p.
(MIRA 13:7)
(Machinery industry--Technological innovations)

S/125/60/000/007/007/010
A161/A029

AUTHORS: Lebedev, B.F.; Sterenbogen, Yu.A.; Alekseyev, A.I.
TITLE: Mechanization of Welding Works in Construction of Blast Furnace Casings

PERIODICAL: Avtomaticheskaya svarka, 1960, No. 7, pp. 70 - 75

TEXT: Mechanized welding in construction of blast furnaces was applied by the Electric Welding Institute imeni Ye.O. Paton and the "Stal'montazh" Trust in 1949 - 1951 at the Zaporozhskiy metallurgicheskiy kombinat (Zaporozh'ye Metallurgic Combine) (Reference 1). Later, electroslog welding of vertical joints was used for blast furnaces of the Stalinsk (in the Kuzbass) and Nizhniy Tagil works. The electroslog process requires space for welding equipment and the ends of the joints have to be moved out of the structure, therefore the furnace casing design had to be changed. The standard casing design has three variations: two are shown in Figure 1, in the third design the position of the sheets is vertical, which is the most convenient for electroslog welding but requires a bending stand with long rolls at the plant preparing the sheets, and high-capacity tower cranes on site. In Nizhniy Tagil, for the first time in the USSR practice, ✓

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S/125/60/000/007/007/010
A161/A029

Mechanization of Welding Works in Construction of Blast Furnace Casings

a 75-ton "BK-1425" (BK-1425) tower crane was available on site, and the 2,500 square meter assembly site of the blast furnace had a 30 + 30 ton gantry crane (Ref. 2). The second casing layout was used here. At Stalinsk, only a 25-ton "BK-406" (BK-406) crane was available and the construction site was small. In view of this a slightly changed standard casing was chosen and divided into 9 cylindrical and tapered sections divided into 4 to 16 ton shells consisting each of two or three sheets of 6 to 6.5 m length. The assembly in progress is seen in a photo (Fig. 5). In this way the entire casing was divided into 11 parts (the heaviest in the lower portion weighing 32 - 48 tons). Every single part was joined by electroslog welding, and the annular joints on the furnace were welded manually. A photo (Fig. 2) shows a shell prepared for slag welding and another (Fig. 3) the electroslog welding, i.e., joining the shells together by vertical seam. At the site, where large sections were assembled, two metal huts were used as mobile welding stands with four "TTC-500" (PS-500) welding generators in each, the necessary starting and measuring equipment and two welding apparatus boxes. The shaping copper sliders were cooled by two cooling systems (one for two welders) up to 6 m above the pump level. The work was done mainly in winter

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S/125/60/000/007/007/010
A161/A029

Mechanization of Welding Works in Construction of Blast Furnace Casings

time in -15°C to -30°C ; 30-% water solution of calcium chloride was used for cooling fluid. In view of unevened transverse shrinking deformation, sheets were installed for welding with a wedge-shaped gap spreading 1 mm for every meter of the joint length (above the calculated gap width). The Γ -shaped holding cramps and an end plate for the end of joint are seen in Figure 2. Assembled shells were installed on a manipulator and the joint was always held in vertical position. A magnetic "A-501M" (A-501m) walking welder (Fig. 3) of Electric Welding Institute design was used for electroslog welding of shells and sections. Process details are given. The quality of welds was checked by the appearance and by gamma-ray irradiation. Faults were revealed mainly in the spots of the end of the welding process. Faulty spots were chiseled out and filled by manual welding. According to "Uralstal'konstruktsiya" construction trust, the electroslog welding process is 1.5 to 2 times more productive compared to manual welding despite the difficulties with yet new techniques. The entire blast furnace casing was joined in 16 working days (comparing with a full month usually) and 11 lifts. It is mentioned for comparison that a similar blast furnace casing in Chelyabinsk required 100 lifts (Ref. 4). It is stated in conclusion that electro-

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A161/A029

Mechanization of Welding Works in Construction of Blast Furnace Casings

slag welding may be used in -35°C frost without preheating of edges; with proper organization and skilled men the productivity and quality of work is much higher than in manual welding and the costs lower; vertical position of sheets in separate casing sections is the best. There are 5 figures and 4 Soviet references. ✓

ASSOCIATIONS: Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O. Patona AN UkrSSR (Electric Welding Institute "Order of the Red Banner of Labor" imeni Ye.O. Patona of the Academy of Sciences of the Ukrainskaya SSR) - B.F. Lebedev and Yu.A. Sterenbogen; Trest "Uralstal'konstruktsiya" ("Uralstal'konstruktsiya" Trust) - A.I. Alekseyev

SUBMITTED: February 23, 1960

Card 4/4

LEBEDEV, B.F.; YAKIMISHIN, G.A.; ALEKSEYEV, A.I.

Automatic welding of the cylindrical part of an air preheater
shell. Avtom. svar. 13 no. 10:52-58 0 '60. (MIRA 13:10)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im.
Ye.O.Patona AN USSR (for Lebedev, Yakimishin). 2. Trest
"Uralstal'konstruktsiya" (for Alekseyev).
(Air preheaters--Welding)

1.2300

21911

S/125/60/000/011/009/016
A161/A133

AUTHORS: Alekseyev, A.I., Lebedev, B.F., Litvinchuk, M.D.

TITLE: Automatic welding assembly for large-diameter cylindrical sheet structures

PERIODICAL: Avtomaticheskaya svarka, ¹³no. 11, 1960, 52-56

TEXT: Up to now large-diameter casings of blast heaters, absorption towers and the like have been welded manually. The "Promstal'konstruktsiya" Institute and Electric Welding Institute in cooperation with the "Uralstal'konstruktsiya" Trust have developed and tested an automatic unit for joining up to 9-m diameter structures on the site. The unit consists of a stand with rollers, longitudinal and transverse flux pads, reinforcing rings, and removable scaffolds. The stand consists of a frame with driven, idle and guide rollers, the latter designed for fixing the shells in longitudinal direction. The rubber coated driven rollers are joined with a shaft and rotated by a 1.1 kw motor through a PM-350 (RM-350) reducer, a shift gear box, a PM-400

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Automatic welding assembly...

S/125/60/000/011/009/016
A161/A133

(RM-400) reducer, and another gear transmission. The welding speed is adjusted by the shift gears between 20 and 40 m/hr. A description of the design had been given previously (Ref.1), in "Avtomaticeskaya svarka", No.10, 1960. The flux pad, or flux holding belt for annular seams (Fig.2) includes flux hopper (1); endless belt (3) with boards; rocking frame (4); balancer (5); flux box (6), and base frame (7). The rotating casing being welded pulls the belt with flux falling from the hopper (1). The rocking frame and the balancer are pressing the belt to the seam. Flux must be periodically reloaded from the box into the hopper. The stand has two flux pads for simultaneous welding of two annular seams. The belt is stretched by roller (2) and two screws. The flux pad for longitudinal seams (Fig.3) has a base frame (1) with air cylinders (2) on it for actuating balancers (3). The flux pad is attached to the ends of the balancers and is a channel beam with open top. The flux is lifted to the seam on a hose expanded by compressed air. The air cylinders (2) move the pad to and from the seam. The reinforcing rings are made of two U-bars welded together into a box cross section and fitted with a spreading screw joint. Three such rings are installed in one cylinder being welded. Arch passages are made in the rings for the motor welder in spots where the rings are crossing the longitudinal seams. The

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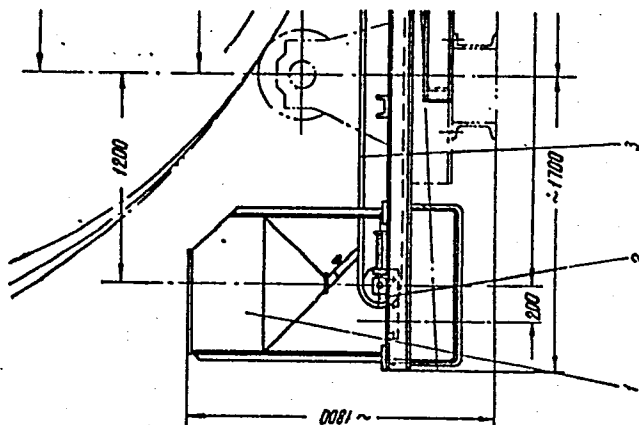
Automatic welding assembly...

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S/125/60/000/011/009/016
A161/A133

entire unit can be dismantled for railroad transportation. There are 4 figures and 2 Soviet references.

Figure 2:

Flux belt for annular seams



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ALEKSEYEV, A. I. (Ural Fabricated-Steel Trust); Lebedev, B. F. and Rabinovich, S. Yu.

"Experience in the Mechanization of Welding(Operations) in the Erection of Metallic Structures for a Blast-Furnace Plant." p. 194.

Vnedreniye novykh sposobov svarki v promyshlennost'; sbornik statey. vyp. 3.
(Introduction of New Welding Methods in Industry; Collection of Articles, v.3)
Kiev, Gos. Izd-vo tekhn. lit-ry Ukr SSR. 1960. 207p.
sponsoring agency Inst. Electrowelding, Acad. Sci. Ukr SSR

The articles deal with the combined experiences of the Institut elektrosvarki im. Ye. O. Paton and several industrial enterprises in solving scientific and engineering problems in welding technology. Problems in the application of new methods of mechanized welding and electroslag welding in industry are discussed. This is the third collection of articles published under the same title. The Foreword was written by B. Ye. Paton, Acad. Sci. Ukr SSR

ALEKSEYEV, A.I.

Russian hydrography in the 18th century. Trudy Inst.ist.est.i
teld. 37:81-96 '61. (MIRA 14:10)
(Hydrographiy)

ALEKSEYEV, A.I.; Prinimali uchastiye: IVANOV, A.D.; LEBEDEV, B.F.;
DARENSKIKH, P.V.; BABKIN, N.I.; MEL'NIKOV, V.G.; NIKITIN, V.V.;
MUKHAMEDOV, K.A.

Automatic welding of the cylindrical part of a decomposer shell.
Avtom. svar. 14 no.8:78-82 Ag '61. (MIRA 14:9)

1. Trest "Uralstal'konstruktsiya."
(Electric welding)
(Aluminum industry--Equipment and supplies)

ALEKSEYEV, A.I.; LEBEDEV, B.F.

Automatic welding of precipitating tanks. Prom. stroi. 40 no.7:29-
32 '62. (MIRA 15:7)

1. Trest Uralstal'konstruktsiya Ministroya RSFSR (for Alekseyev).
2. Institut elektrosvarki in. Ye.O.Patona (for Lebedev)
(Aluminum industry—Equipment and supplies) (Welding)

ALEKSEYEV, A.I.; LEBEDEV, B.F.

Use of mechanized welding in the assembly of steel elements
of the Kachkanar Mining and Ore Dressing Combine. Prom.
stroil. 40 no.12:16-19 '62. (MIRA 15:12)

1. Trest Uralstal'konstruktsiya (for Alekseyev). 2. Institut
elektrosvarki imeni Ye.O. Patona (for Lebedev).
(Steel, Structural--Welding)
(Kachkanar--Metallurgical plants)

ALEKSEYEV, A.I.; LEBEDEV, B.F.; YAKIMISHIN, G.S.; MELEKHIN, A.D.

Mechanizing welding operations in erecting the frame of the ore dressing plant of the Kachkanar Mining and Ore Dressing Combine. Avtom. svar. 16 no.1:60-67 Ja '63. (MIRA 16:2)

1. Institut elektrosvarki imeni Ye.O. Patona, AN UkrSSR (for Lebedev, Yakimishin, Melekhin).
(Kachkanar region--Structural frames--Welding)

ALEKSEYEV, A. I., Inzh.

Machining parts by electric erosion techniques. Mashinostroenie
no. 2:38-42 Mr-Apr '65. (MIRA 18:6)

IGNATOK, A.I., red.; LABUTIN, V.P., red.; IVANOV, I.Z., strashyy inzh.po tekhnike bezopasnosti, red.; GANUSHKINA, Ye.V., kand. tekhn. nauk, red.; PLAKHIN, A.S., kand. med. nauk, starshyy nauchnyy sotr., red.; SHMYGOVA, K.N., red.; FESEL', M.I., starshyy tekhnolog, red.; ALEKSEYEV, A.I., red.; DOBRITSYNA, R.I., tekhn. red.

[Safety and sanitation regulations for electroplating shops] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii pri proizvodstve metallopokrytii. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 30 p. (MIRA 14:8)

1. Profsoyuz rabochikh mashinostroyeniya SSSR. 2. Glavnyy tekhnicheskii inspektor Tsentral'nogo komiteta profsoyuza rabochikh mashinostroyeniya SSSR (for Ignatok). 3. Nachal'nik laboratorii metallopokrytii Nauchno-issledovatel'skogo instituta tekhnologii avtomobil'noy promyshlennosti (for Labutin). 4. Nauchno-issledovatel'skiy institut tekhnologii avtomobil'noy promyshlennosti (for Ivanov). 5. Nachal'nik laboratorii metallopokrytii Nauchno-issledovatel'skogo instituta tekhnologii traktornogo i sel'skokhozyaystvennogo mashinostroyeniya (for Ganushkina). 6. Moskovskiy nauchno-issledovatel'skiy institut okhrany truda Vsesoyuznogo tsentral'nogo soveta profsoyuzov (for Plakhin). 7. Moskovskiy zavod malolitrazhnykh avtomobiley (for Fesel'). 8. Glavnyy konstruktor Gosudarstvennogo instituta po proektirovaniyu zavodov avtomobil'noy promyshlennosti (for Alekseyev). (Electroplating—Safety measures) (Factory sanitation)

MOKIYEVSKIY, O.B., kand. biolog. nauk; KULAKOV, V.Ye.; SMUGLIYY, S.I. (Moskva);
ABRAMOV, L.S. (Moskva); ALEKSEYEV, A.I., kand. geograf. nauk (Moskva);
GODER, N.M., kand. filosof. nauk (Moskva)

Books. Priroda 54 no.6:34, 47, 111-114 Je '65.

(MIRA 18:6)

1. Institut okeanologii AN SSSR, Moskva (for Mokiyeveskiy). 2. Lenin-
gradskiy pedagogicheskiy institut im. A.I. Gerstena (for Kulakov).

1.12019-66 EMT(m)/T DI/WE

ACC NR: AP6011222 (A) SOURCE CODE: UR/0413/66/000/006/0057/0057

INVENTOR: Gureyev, A. A.; Sobolev, Ye. P.; Shchegolev, N. V.; Alekseyev, A. I.;
Kornitskiy, V. V.; Minkin, M. L.; Senichkin, M. A.; Livshits, S.M.; Englin, B.A.;
Mikul'n, Yu.V.

ORG: none

TITLE: Starter fluid for engines with carburetors. Class 23, No. 179870

51
B

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 57

TOPIC TAGS: carburetor engine, starter fluid, engine starter fluid, antioxidant additive, antiwear additive

ABSTRACT: An Author Certificate has been issued describing a starter fluid for engines with carburetors. The fluid has a base of sulfuric ether and a mixture of low-boiling hydrocarbons with an antioxidant additive. It is suggested that to improve the functioning properties of the fluid, isopropyl nitrate or oxidation products of hydrocarbons plus an antiwear compound be added. [Translation] [NT]

SUB CODE: 21/ SUBM DATE: 13Nov64/

Card 1/1 kf

UDC: 661.17:621.434.019-632

ALEKSEYEV, A. I., Candidate Geogr Sci (diss) -- "Russian hydrographic investigations of the Bering, Okhotsk, and Japan Seas". Moscow, 1959. 19 pp (Moscow Order of Lenin and Order of Labor Red Banner State U im M. V. Lomonosov), 150 copies (KL, No 25, 1959, 128)

ALEKSEYEV, Aleksandr Ivanovich; RYZHKOV, A.N., red.; YEGOROV, A.A.,
tekhn.red.

[Across the taiga paths of Sakhalin; Sakhalin in the studies
of the Amur Expedition of 1850-1855] Po tsezhnym tropam Sakhalina.
Sakhalin v issledovaniakh Amurskoi ekspeditsii 1850-1855 gg.
IUzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1959. 95 p.
(MIRA 13:3)

(Sakhalin--Discovery and exploration)

ALEKSEYEV, A.I., kand.geograf.nauk (Moskva)

"To the land of taiga pathfinders" by Z.I. Dicharov and "On the glaciers of Novaya Zemlya" by E.M. Zinger. Reviewed by A.I. Alekseev. Priroda 51 no.10:122-123 0 '62. (MIRA 15:10)
(Novaya Zemlya—Discovery and exploration)
(Evenki National Area—Economic geography)
(Dicharov, Z.I.) (Zinger, E.M.)

YESAKOV, V.A.; PLAKHOTNIK, A.F.; ALEKSEYEV, A.I.; FEDOSEYEV, I.A.,
otv. red.; SOLOV'YEV, A.I., red.

[Russian ocean and sea studies in the 19th to the beginning of the 20th century] Russkie okeanicheskie i morskije issledovania v XIX-nachale XX v. Moskva, Nauka, 1964.
158 p. (MIRA 18:1)

ALEKSEYEV, A.I.

A prominent explorer of the seas of our country. Okeanologiya
4 no.6:1123-1125 '64. (MIRA 18:2)

ALEXSEYEV, A. I.

How electric interlocking was introduced at the Anisovka
Railroad Station. Avtom. i telem. i svyaz'. 4 no.5:31-32 My '60.

1. Nachal'nik tekhnicheskogo otdela Privolzhskoy dorogi.
(Anisovka--Railroads--Signaling)

ALEKSEYEV, A.I.

Life and work of the Shmalev brothers. Let. Sev. 3:92-107 '62.
(MIRA 15:8)

1. Institut istorii estestvoznaniya i tekhniki AN SSSR.
(Shmalev, Timofei Ivanovich, 1736-1789)
(Shmalev, Vasilii Ivanovich, 1737-1799)
(Soviet Far East--History)

ALEKSEYEV, A.K.

Snow removal on station tracks. Put' i put.khoz. 4 no.10:22
0 '60. (MIRA 13:9)

1. Nachal'nik tekhn.otdela sluzhby puti, g. Saratov.
(Railroads--Snow protection and removal)

Alekseyev, A. N.

Alekseyev, A. N. - "Research on the throwing device of a tool sharpening machine," Nauch. Trudy (Snepopetr. metallurg. in-t im. Stalina), Issue 17, Supplement to Mekhanika. Mekhanizatsiya metallurg. Tselkhov, 1949, p. 112-34.

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

ACC NR: AP7001399

SOURCE CODE: UR/0413/66/000/021/0075/0075

INVENTOR: Kulikov, F. R.; Persidskiy, A. S.; Alekseyev, A. K.

ORG: none

TITLE: Chamber for local gas shielding. Class 21, No. 187902

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 75

TOPIC TAGS: ^{arc}welding, gas shielded arc welding, titanium welding, titanium alloy welding, alloy welding

ABSTRACT:

This Author Certificate introduces a chamber for local gas shielding in arc welding of circumferential joints in spherical or cylindrical parts (see Fig. 1). The chamber consists of two hollow semicylinders, the side walls of which have openings for the part to be welded and carry a gas pipeline with nozzles for creating a laminar gas flow and a gas outlet. To ensure airtight sealing in welding parts made of chemically active materials such as titanium and its alloys and to make it possible to rotate the parts without breaking the seal, the joint of the semicylinders is built in the form

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UDC: 621.791.753.9.037

ACC NR: AP7001399

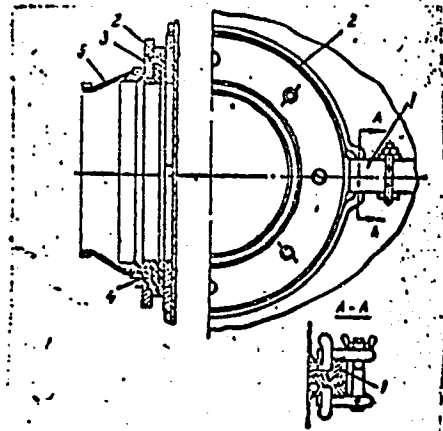


Fig. 1. Chamber diagram.

- 1 - Water-cooled flange;
- 2 - supporting ring; 3 - rotating flange; 4 - clamping ring;
- 5 - elastic conic ring.

of a water-cooled flange, and the openings of the side-walls are provided with sealing flanges consisting of a rotating flange mounted on a supporting ring. In a variant of the chamber, to enable welding of cylindrical parts of dissimilar diameters, the rotating flanges are provided with exchangeable elastic rings in the shape of truncated cones. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 03Mar65 ATD PRESS: 5111
Card - 2/2

ALEKSEYEV, Aleksey Karpovich, prof. [deceased]; PAFENGOL'TS, K.N.,
otv. red.; MINASYAN, M.A., tekhn. red.

[Paleogene fauna of mollusks of the northern Aral Sea
region] Paleogenaia fauna molliuskov Severnogo Pri-
aral'ia. Erevan, Izd-vo AN Arm.SSR, 1963. 229 p.
(MIRA 17:2)

AGADZHANYAN, N.A., kapitan med.sluzhby, kand.med.nauk; ALEKSEYEV, A.K.,
starshina; TSIVILASHVILI, A.S., mayor med.sluzhby

Apparatus for registration of blood pressure at high altitudes. Voenn.-
med.zhur. no.10:87-89 O '58. (MIRA 12:12)

(BLOOD PRESSURE, determ.

appar. for determ. in high altitudes (Rus))

(ALTITUDE

appar. for blood pressure determ. in high altitudes
(Rus))

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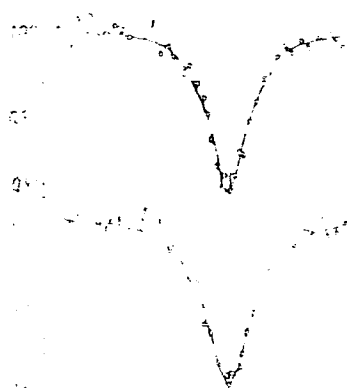
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ALEKSEYEV, A. M., Prof.

PA 59/49T92

USSR/Nuclear Physics - Isotopes Jun 49
Nuclear Physics - Tracer Atoms

"Review of A. I. Brodskiy's Book, 'Use of Tracer
Atom Methods in Chemistry,'" Prof A. M.
Aleksyev, Active Mem, All-Union Soc for
Propagation of Pol and Sci Knowledge, Kazan
U, 1 p

"Nauka i Zhizn'" No 6

Claims author is "illiterate in the field of
plant physiology," and cites alleged erroneous
assumptions and statements made with reference to
photosynthesis and plant breathing. Published
in Moscow, 1948, 30 pp

59/49T93

ALEKSEYEV, ALEKSANDR MIKHAYLOVICH

Atomnaya problema i politika S Sh A "s pozitsii sily" (The
atomic problem and policy of the USA: "for the position of power")
Moskva, Gospolitizdat, 1955.

98 p.

V/8
122.131
.A3

FILED 5-7-67, H. 11.

USSR/Physical Chemistry - Thermodynamics. Thermochemistry. B-8
Equilibrium. Physico-Chemical Analysis. Phase Transitions

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 3734

Author : Kirillov I.P., Krylov O.V., Aleksayev A.M.

Inst : Ivanovo Chemico-Technological Institute

Title : Study of Physicochemical Properties of System PbO
Fe₂O₃.

Orig Pub : Tr. Ivanovsk. Khim.-tekhnol. in-ta, 1956, No 5, 61-68

Abstract : Study of PbO-Fe₂O₃ system produced by co-precipitation of the hydroxides from a mixture of nitrates of Fe and Pb, with NH₃. After a preliminary drying (90-120°) the system was calcined within 200-800° range at intervals of 100°. In the course thereof were investigated the magnetic susceptibility, adsorption power and solubility (relative rate of dissolution of Fe₂O₃ in 1.0 N HCl and PbO in 0.25 N CH₃COOH. It was found that the system under study passes through a series of intermediate states

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99. ACTION OF ORGANOPHOSPHORUS COMPOUNDS ON SOIL MICROFLORA. S. M. Sazonova et al.	588
100. DITHIOPHOS [DITHIOPHOS] - A VERY EFFECTIVE CONTROL AGENT FOR SUBTROPICAL PESTS. P. I. Mitrofanov	593
101. ORGANOPHOSPHORUS ANTHROPS FOR CONTROL OF AGRICULTURAL PESTS. A. I. Sidorov and P. I. Mitrofanov	597
102. STUDY AND APPLICATION OF ORGANOPHOSPHORUS COMPOUNDS FOR CONTROL OF EURYGASTER. D. M. Paikin and N. M. Gusev	601
103. ORGANOPHOSPHORUS INSECTICIDES WITH INTRAPLANT ACTION AS A METHOD OF PROTECTING GRAIN SPROUTS FROM PESTS. P. V. Sazonov et al.	610
104. TESTS RESULTS ON M-81 PREPARATION IN CONTROL OF SUCKING PESTS OF FRUIT AND DECORATIVE PLANTS. M. P. Shabanova and L. F. Efimova	614
105. DETERMINATION OF SMALL AMOUNTS OF ORGANOPHOSPHORUS INSECTICIDES IN AIR AND FOOD PRODUCTS. M. A. Trotsenko	619
106. ADSORPTION OF ORGANOPHOSPHORUS INSECTICIDE VAPORS BY ACTIVATED CARBON. Yu. I. Kundiev and M. E. Podlinnaya	625
Khimiya i Primeneniye Fosfororganicheskikh Soedineniy (Chemistry and Application of Organophosphorus Compounds) A. Ye. Arbutov, Ed. publ. by Kazan' Affil, Acad. Sci. USSR, Moscow, 1962 632pp.	

Collection of complete papers presented at the 1959 Kazan Conference on Chemistry of
Organophosphorus Compounds.

ALEKSEYEV, A.M., smenny master

Changes in flax processing. Tekst.prom. 20 no.8:81 Ag '60.
(MIRA 13:9)

1. Strmutkinskiy l'nozavod Pskovskogo tresta.
(Flax)

S/846/62/019/000/007/008
EO71/E151

AUTHORS: Alekseyev, A.M., Ivanov, V.M., and Frenkina, Z.I.
TITLE: Investigation of combustion of gaseous fuel with the simultaneous evaporation of sprayed water in a steam-gas generator

SOURCE: Akademiya nauk SSSR. Institut goryuchikh iskopayemykh. Trudy. v.19. 1962. Novyye metody szhiganiya topliv i voprosy teorii goreniya. 66-94

TEXT: One of the newest methods of fuel and heat utilisation in thermal power stations is the steam-gas cycle, based on the combustion of liquid or gaseous fuel and evaporation of sprayed water in the same space. This complex process allows a sharp increase in the intensity of combustion and of heat exchange and is a most economical method for the production of the working medium for steam-gas turbines of large power generating installations. The use of natural gas for this purpose was investigated on a laboratory installation in which the observation of the whole process from the introduction of the reacting substances to the outgoing of the working medium (steam-gas) was possible.
Card 1/2

Investigation of combustion of ...

S/846/62/019/000/007/008
E071/E151

The apparatus and experimental procedure are described. The advantages of this application of gaseous fuel are discussed. The optimum conditions for combustion of gaseous fuel in steam-gas installations were experimentally established, namely: in a swirling stream with premixing and without any thermal stabilisation of the combustion process. It was shown that the best conditions for combustion and evaporation in a common space depend on: the temperature and the excess of combustion air, the efficiency of the mixing of the gaseous fuel and air, the pressure in the combustion chamber, the velocity of the air-gas mixture flowing from the burner, the fineness of the water spray, and the temperature of the water introduced into the stream of hot combustion products. The main conditions for production of steam-gas at a pressure of 5 atm.abs. were determined. Some applications of the principle in the chemical industry, e.g. for concentrating salt solutions, are briefly discussed. There are 16 figures and 6 tables.

Card 2/2

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efficiency in production, complicated equipment and also show low

obtaining a long rod is the mouthpiece method of pressing. Having the pattern

and plastic ones. Both pressing methods

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APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000100910020-8"

L 35020-405 EWT(1)/EWP(e)/EWT(m)/EWT(m)/EWT(1)/EWT(1)/EWT(1)/EWT(1)/EWT(1)

Thermoelectric properties of the Bi_2Te_3 alloy

Thermoelectric properties of the Bi_2Te_3 alloy

Thermoelectric properties of the Bi_2Te_3 alloy

Thermoelectric properties of the Bi_2Te_3 alloy

Thermoelectric properties of the Bi_2Te_3 alloy

Thermoelectric properties of the Bi_2Te_3 alloy

ABSTRACT: The author investigates the thermoelectric properties of Bi_2Te_3 -
 Bi_2Se_3 and Bi_2Te_3 - Sb_2Te_3 alloy systems. The thermoelectric properties are investigated.

Page 1 of 3

L 35020-65

ACCESSION NR AT4047710

in a tapered die. A comparison of experimental data on the thermoelectric properties of specimens produced under the above conditions are similar to those of specimens prepared by the conventional method.

Work was carried out under the supervision of V. I. [redacted] corresponding member of the Academy of Sciences of the USSR.

ASSOCIATION NR

SUBMITTED 00

ENCL 01

SUBMITTED MM, EM

NR REF SOV 006

OTHER 000

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000100910020-8

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000100910020-8"

1 3551-65

ACCESSION NR AT4047711

temperature conditions in the deformation area resulting in the appearance of
new structures. The process is primarily

ASSOCIATION None

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NR REF SOV: 009

OTHER: 000

Card 2/2

KIRILLOV, I.P.; OPOLOVNIKOVA, N.P.; ALEKSEYEV, A.M.

Study of the formation of zinc-chromium catalysts for the synthesis of alcohols. Part 1. Izv.vys.ucheb.zav.; khim. i khim. tekhn. 7 no. 1:77-83 '64. (MIRA 17:5)

1. Ivanovskiy khimiko-tekhnologicheskii institut, kafedra tekhnologii neorganicheskikh veshchestv.

IVANOV, V.M., kand. tekhn. nauk; ALEKSEYEV, A.M., inzh.; FRENKINA, Z.I.,
inzh.

Combustion of gaseous fuel under high pressure in the presence
of water and other inert media. Teploenergetika 11 no.3:
12-18 Mr '64. (MIRA 17:6)

1. Institut goryuchikh iskopayemykh.

*Dept of Mineral Fuel Research,
State Comm Fuel Industry*

L 16096-66 EWT(m)/T WE/GS

ACC NR: AT6004585

SOURCE CODE: UR/0000/65/000/000/0095/0105

AUTHOR: Ivanov, V. M.; ~~Alekseyev, A. M.~~; Volnyanskaya, L. A.

ORG: none

TITLE: The effect of mixing on the combustion of a gaseous fuel in high velocity streams

SOURCE: AN SSSR. Institut goryuchikh iskopayemykh. Novyye metody szhiganiya topliv i voprosy teorii goreniya (New methods in the combustion of fuels and problems in the theory of combustion). Moscow, Izd-vo Nauka, 1965, 95-105

TOPIC TAGS: combustion, combustion chamber, air breathing propulsion thruster, gas combustion

ABSTRACT: The effect of mixing of components on the combustion of gaseous fuel was studied in a test assembly consisting of a mixer and a combustion chamber equipped with a Laval nozzle at the outlet. The assembly was designed so that combustion could be carried out in the following two regimes: 1) Air is preheated by cooling of the chamber walls and enters the mixer through 4 radial openings. The fuel enters axially through a central orifice so that the fuel and oxidizer

Card 1/2

L 16096-66

ACC NR: AT6004585

flows intersect at an angle of 90° and then pass through a turbulizer into the combustion chamber. 2) The air enters via the turbulizer, but the fuel enters independently into the chamber through the central orifice. In this arrangement, mixing starts in the combustion chamber. In the first case, the combustion regime is purely kinetic, while in the second, it is diffusional. The results showed that in the kinetic regime, the combustion efficiency is considerably higher and the length of the combustion zone shorter than in the diffusional regime. Other experiments were conducted with the injection of secondary oxygen into the combustion chamber. Studies of the heat transfer to the walls at flow velocities of 1000 m/sec are also mentioned. The following conclusions were drawn: 1) Mixing in high velocity gas streams ($M = 1$) has a controlling effect on the combustion process. 2) Introduction of secondary oxygen into the partial combustion products is much less effective than primary mixing. When the gaseous fuel is well mixed with air in the first stage, then its combustion in the chamber as well as behind the nozzle is more intensive and more complete than in the combustion of nonmixed fuel-air mixtures. The reacting components are mixed during passage through the throat area and, therefore, combustion efficiency is not increased. Orig. art. has: 6 diagrams. [PV]

SUB CODE: 21/ SUBM DATE: 09Sep65/ ORIG REF: 002/ ATD PRESS: 4502

Card 2/2 Sm

L 14479-66 EWT(1)/EWT(m)/T IJP(c) WW/JW/JWD/WE/GS
 ACC NR: AT6004586 SOURCE CODE: UR/0000/65/000/000/0106/0111

AUTHOR: Alekseyev, A. M.; Kantorovich, B. V. (Doctor of technical sciences; Professor); Golovina, G. S.; Ivanov, V. M.; Pitin, R. N.; Ponnik, Yu. A.; Frenkina, Z. I.; Cheredkova, K. I.

ORG: none

TITLE: Study of the effect of a magnetic field on a stream of burning fuel

SOURCE: AN SSSR. Institut goryuchikh iskopayemykh. Novyye metody szhiganiya topliv i voprosy teorii goreniya (New methods in the combustion of fuels and problems in the theory of combustion). Moscow, Izd-vo Nauka, 1965, 106-111.

TOPIC TAGS: combustion, propulsion, magnetic field, gas combustion

ABSTRACT: It has been previously shown that the shape of a flame can be substantially changed and the burning velocity can be increased by the application of a magnetic field. Therefore, the use of a magnetic field to intensify combustion processes is considered in the present study, by determining the effect of a magnetic field on a burning CH₄-oxygen jet issuing from a combustion chamber through a 19.5 x 9.4 mm nozzle into air. Two cooled poles of a magnet 120 mm long were placed 15 mm from the nozzle outlet to generate a magnetic induction of 16 kgs in the 10-mm-wide gap through which the jet passed. The velocity of the gas jet was close to sonic. Measurements were made of the velocity, the flame temperature, and concentrations along the axis in the presence and absence of the magnetic field. The results

Card 1/2

14479-66

ACC NR: AT6004586

showed that due to the magnetic field the flame temperature increased by 100—200C, the velocity decreased, and the dilution with ambient air decreased. These changes are attributed to the partial conversion of kinetic into thermal energy caused by the magnetic field. Orig. art. has: 5 figures. [PV]

SUB CODE: 21/ SUBM DATE: 09Sep65/ ORIG REF: 002/ ATD PRESS: 4/94

60
Card 2/2

ALEKSEYEV, A.M., inzh.; KLYUKIN, I.I., kand. ~~tekhn.~~ nauk; SBOROVSKIY, A.K.,
kand. ~~tekhn.~~ nauk

Vibration dampers for reducing the vibration of ship plates. Sudo-
stroenie 27 no.12:4-8 D '61. (MIRA 15:1)
(Vibration, (Marine engineering))

ALEKSEYEV, Aetur Mikhaylovich; SBOROVSKIY, Andrey Konstantinovich;
BABAYEV, N.N., doktor tekhn. nauk, retsenzent; POSTNOV, V.A.,
kand. tekhn.nauk, retsenzent; POSTNOV, V.A., nauchnyy red.;
KUSKOVA, A.I., red.; KRYAKOVA, D.M., tekhn. red.

[Marine vibration dampers] Sudovye vibrogasiteli. Leningrad,
Sudovye vibrogasiteli. Leningrad, Sudpromgiz, 1962. 193 p.
(MIRA 16:2)

(Vibration (Marine engineering))

ALEKSEYEV, Aleksey Mikhaylovich, DORMIDONTOV, P.K., otvetstvennyy
redaktor; KAMOLOVA, V.M., tekhnicheskiiy redaktor

[Wood for ship building and repairing] Sudostroitel'nye i sudoremont-
nye lesa. Leningrad, Gos.soiuz. izd-vo sudostroit. promyshl., 1956.
82 p. (Shipbuilding) (Lumber) (MLRA 9:7)

ALEKSEYEV, A.M.

ALEKSEYEV, A.M.

Selecting the most satisfactory double bottom height for merchant ships. Trudy TSNIMF no.9:66-74 '57. (MIRA 11:2)

/ (Hulls (Naval architecture))

(Merchant ships)

CENTRAL SCI. RES. INST. MARITIME FLEET, Leningrad

AKULAYEV, V.S., ~~tech.~~; ALPESLEYEV, A.M., ~~tech.~~; SBOROVSKIY, A.M., ~~hard.tekhn.nauk~~

Longitudinal vibration of the ship hull. Soderstrenie 31 no.4:14-16
Ap 16%. (MIRA 18:8)

L 05076-67

ACC NR: AP6013318 (N,A)

SOURCE CODE: UR/0413/66/000/008/0136/0137

AUTHORS: Alekseyev, A. M.; Sokolov, G. M.

10
B

ORG: none

TITLE: A rail ship transport carriage. Class 65, No. 180971

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 136-137.

TOPIC TAGS: transportation equipment, hydraulic device

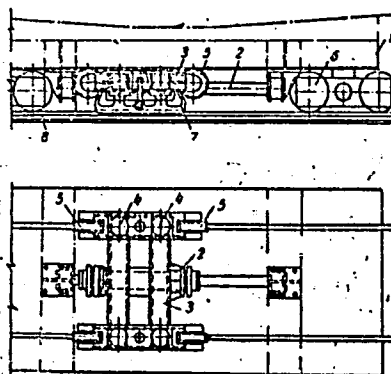
ABSTRACT: This Author Certificate presents a rail ship transport carriage with a securing device. The carriage is equipped with a load platform and a hydraulic drive in the form of a horizontal double action hydraulic jack (see Fig. 1). The device is compact and creates safe conditions for operating the ship transport carriage. The securing device is made in the form of a horizontal frame with vertical hydraulic jacks built into it. Rollers are distributed along the ends of the frame extending above it. These rollers are kinematically connected with the load platform of the carriage which moves along the rollers. Shoe blocks are fastened below the frame. These shoe blocks interact with the heads of the rails

Card 1/2

UDC: 629.128.4

L 05076-67
ACC NR: AP6013318

Fig. 1. 1 - load platform; 2 - double action hydraulic jack; 3 - horizontal frame; 4 - vertical hydraulic jacks; 5 - rollers; 6 - rail ship carriage; 7 - shoe blocks; 8 - heads of the rails



when stopping of the ship transport carriage by means of the vertical hydraulic jacks. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 22Jun64

Card 2/2 fv

ACC NR: AP6029899

(A, V)

SOURCE CODE: UR/0413/66/000/015/0062/0062

INVENTORS: Alekseyev, A. M.; Bezruk, I. A.; Bulanov, N. A.; Shchukin, S. N.; Klyuchkin, V. N.; Kulikov, A. V.; Molikadze, S. Yo.; Chinanova, O. M.; Yemol'yanov, A. M.; Mangirova, G. S.; Rozin, 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 thyatron 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

Card 1/2

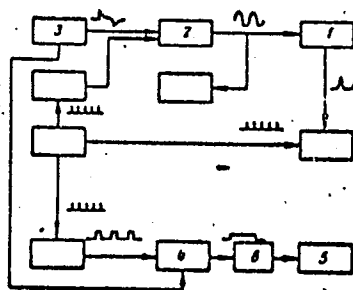
UDC: 550.837

10300-07

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: 09108/ SUBM DATE: 30Jun64

Card 2/2

~~ALEKSEYEV, A.M.~~
ALEKSEYEV, A.M., red.;

PISKUNOV, V., red., MUKHIN, Yu., tekhn. red.

[Economic competition between the two world systems; a collection of articles] Ekonomicheskoe sorevnovanie dvukh mirovykh sistem; sbornik statei. Moskva, Gos.izd-vo polit. lit-ry, 1957. 381 p. (MIRA 11:2)

1. Moscow. Nauchno-issledovatel'skiy ekonomicheskiy institut (Economics)

ALEKSEYEV, Aleksandr Mikhaylovich; KUNETSKIY, V., red.; YAKOVLEVA, Ye.,
tekh.n.red.

[What does the problem of winning time mean in the economic
competition between socialism and capitalism?] Chto oznachaet
problema vyigrysha vremeni v ekonomicheskom sorevnovanii
sotsializma s kapitalizmom. Moskva, Mosk.rabochii, 1959. 38 p.
(MIRA 12:9)

(Russia--Economic policy)

30(5)

PHASE I BOOK EXPLOITATION

SOV/2947

Alekseyev, Aleksandr Mikhaylovich

Reshayushchiy etap v vypolnenii osnovnoy ekonomicheskoy zadachi SSSR (Decisive Stage in Fulfilling the Basic Economic Objective of the USSR) Moscow, Izd-vo "Znaniye", 1959. 47 p. (Series: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy. Seriya 3, 1959, no. 17) 69,000 copies printed.

Ed.: T. F. Komarova; Tech. Ed.: L. Ye. Atroshchenko.

PURPOSE: This booklet is intended for popular consumption.

COVERAGE: This booklet gives a brief description of the economic development of the USSR and the task ahead for the Seven-Year Plan (1959-1965). It reviews such problems as the economic competition between the United States and the USSR, the branches of the economy in which the Soviet Union must overtake

Card 1/3

Decisive Stage in Fulfilling (Cont.)

SOV/2947

and surpass the most developed capitalist countries, factors determining the time required for the fulfillment of the basic economic task, growth of per capita production, labor productivity, etc. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Introduction	3
Nature of the Economic Competition Between Two World Systems	8
Historical Aspects of the Development of the Basic Economic Objective of the USSR	14
The Most Developed Countries of the Capitalist World	21
Types of Per Capita Production in Which the Soviet Union Must Overtake and Surpass the Most Developed Capitalist Countries	25
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Decisive Stage in Fulfilling (Cont.)

SOV/2947

Growth of Per Capita Production and Increase of Labor Productivity

34

Problem of the Maximum Time Gain in the Economic Competition Between the Two World Systems

41

Fulfillment of the Basic Economic Objective of the USSR and Improvement of the People's Welfare

45

AVAILABLE: Library of Congress

Card 3/3

JG/jmr
2-3-60

ALEKSHYEV, Aleksandr Mikhaylovich; RABINOVICH, Mikhail Aronovich;
KHOLOD, S., red.; POPOVA, T., tekhn.red.

[Seven-year plan and economic competition between socialism
and capitalism] Semiletka i ekonomicheskoe sorevnovanie
sotsializma i kapitalizma. Moskva, Gos.izd-vo polit.lit-ry,
1959. 93 p. (MIRA 12:9)

(Economic conditions)

MANUKYAN, A.A.; GLUSHKOV, V.P.; SHVEDKOVA, V.M.; SVIRIDOVA, Z.P.; CHEBOTAREVA, Ye.A.; SHUMILIN, V.I.; PUDINA, K.V.; BRAGINA, N.M.; LUTSKAYA, Ye.Ye.; KODACHENKO, A.S.; KOSOVA, V.A.; MOKLYARSKIY, B.I.; GRECHIKHIN, A.A.; KULIKOV, N.I.; RYDVANOV, N.F.; BEL'CHUK, A.I.; VINTSER, Yu.I.; ROZENTAL', Ye.I.; BELOUS, T.Ya.; SIDOROV, V.F.; ZHDANOVA, L.P.; ALEKSANDROVSKAYA, L.I.; KOVAL', V.V.; KHAVINSON, Ye.S., glavnyy red.; SOKOLOV, I.A., zam.glavnogo red.; ALEKSEYEV, A.M., red.; ARZUMANYAN, A.A., red.; BELYAKOV, A.S., red.; BECHIN, A.I., red.; VARGA, Ye.S., red.; LEMIN, I.M., red.; LYUBIMOVA, V.V., red.; SKOROV, G.Ye., red. V redaktirovaniy uchastvovali: SHAPIRO, A.I., red.; TATISHCHEV, S.I.. KOVRIGINA, Ye., tekhn.red.

[Economic conditions of capitalistic countries; review of business conditions for 1958 and the beginning of 1959] Ekonomicheskoe polozhenie kapitalisticheskikh stran; kon'iunkturnyi obzor za 1958 g. i nachalo 1959 g. Moskva, Izd-vo "Pravda," 1959. 127 p. (Prilozhenie k zhurnalu "Mirovaia ekonomika i mezhdunarodnye otnosheniia," no.8, avgust 1959 g.) (MIRA 12:9)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy. 2. Kollektiv sotrudnikov kon'iunkturnogo sektora Instituta mirovoy ekonomiki i mezhdunarodnykh otnosheniy AN SSSR (for Glushkov, Shvedkova, Sviridova, Chebotareva, Shumilin, Pudina, Bragina, Lutsкая, Kodachenko, Kosova, Moklyarskiy, Grechikhin, Kulikov, Rydvanov, Bel'chuk, Vintser, Rozental', Belous, Sidorov, Zhdanova, Aleksandrovskaya, Koval'). (Economic conditions)

TIKHONOV, Ivan Artem'yevich; ALEKSEYEV, A.M., red.; AZAROV, E.K.,
red.; LEVONEVSKAYA, L.G., tekhn.red.

[The basic economic problem of the U.S.S.R.; methodological
problems] Osnovnaia ekonomicheskaya zadacha SSSR; voprosy
metodologii. Leningrad, Lenizdat, 1959. 394 p. (MIRA 12:9)
(Russia--Economic policy)

BOGACHEVSKIY, Mikhail Borisovich, prof.; ALEKSEYEV, A.M., otv.red.;
ROSHCHINA, L., red.; TELEGINA, T., tekhn.red.

[Budget of a capitalistic country] Biudzhët kapitalisticheskogo
gosudarstva. Moskva, Gosfinizdat, 1960. 194 p.
(Budget) (MIRA 13:5)

TOKMALAYEV, S.F., dotsent [deceased]; KUZHELEV, N.S., dotsent; OSTROVI-
TYANOV, K.V., akademik; ALEKSEYEV, A.M., dotsent; KUDROV, V.M.;
LEONT'YEV, L.A. Primali uchastiye: BELYAYEVA, Z.N., kand.ekon.
nauk; MRACHKOVSKAYA, I.M., kand.ekonom.nauk; RYNDINA, M.N.,
kand.ekonom.nauk; SHIRINSKIY, I.D., kand.ekonom.nauk; red.;
YUMASHEV, A.I., kand.ekonom.nauk; PROKOP'YEV, S.P., red.; NAUMOV,
K.M., tekhn.red.

[Capitalist production method] Kapitalisticheskii sposob pro-
izvodstva. Moskva. Pt.2. 1960. 357 p. (MIRA 13:10)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya
partiynaya shkola. 2. Chlen-korrespondent Akademii nauk SSSR (for
Leont'yev).

(Economics)

SUSLIN, Petr Nikolayevich; ALEKSEYEV, A.M., red.; SHLENSKAYA, V.A., red.
izd-va; PAVLOVSKIY, A.A., tekhn. red.

["Common market" of six European countries] "Obshchii rynok"
shesti evropeiskikh stran. Moskva, Vneshtorgizdat, 1961. 287 p.
(MIRA 14:6)

(European common market)

L 36360-66 EWT(1) GW/JT

ACC NR: AP6005330

SOURCE CODE: UR/0413/66/000/001/0068/0068

INVENTOR: Alekseyev, A. M.; Berdichevskiy, M. N.; Boltalin, A. P.;
Bryunelli, B. Ye.; Lantsov, A. Ye. 56

ORG: none

TITLE: Device for simultaneous registration of variations of 5 components of the earth's natural electromagnetic field. Class 21, No. 177561 [announced by the All-Union Scientific Research Institute for Geophysical Methods of Prospecting (Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki) and Mytishchino Instrument Manufacturing Plant (Mytishchinskiy priborostroitel'nyy zavod)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1966, 68

TOPIC TAGS: earth magnetic field, electromagnetic field, ~~electromagnetic variation registration~~ *potentiometer, geophysical instrument*

ABSTRACT: An Author Certificate has been issued describing a device for simultaneous registration of variations of 5 components of the earth's natural electromagnetic field, using the magnetotelluric method.

Card 1/2

UDC: 621.389.550.837.6

1ST AND 2ND CODES		PROCESS AND PROPERTIES INDEX		3RD AND 4TH CODES																																																																																																						
ALEKSEYEV, A.M.																																																																																																										
<p>АЛЕКСЕЕВ (А. М.). Влияние супрамаксимальных температур на споры <i>Розовки</i> Проса. [Effect of super-maximum temperatures on the spores of Millet smut.]—Abstract in <i>Дневник Всесоюз. Съезда Ботаников в Ленинграде в январе 1928 года</i>. [Proc. Pan-Soviet Congress of Botanists in Leningrad in January, 1928], p. 169, 1928. [Received April, 1930.]</p> <p>Experiments in which millet [<i>Panicum miliaceum</i>] smut spores (<i>Ustilago pincti-miliacei</i>) were heated in water for various periods at temperatures ranging from 50° to 65° C., showed that up to 60 per cent. germination may be obtained even at a temperature as high as 65° by correspondingly shortening the time of exposure of the spores to heat. The treatment, however, considerably delayed the rapidity of germination and increased the time needed for the germination of all the spores that had retained their viability. The interdependence of the energy of germination and the length of exposure at each temperature can be expressed by a sigmoid curve, the empirical formula of which could not be established, but which appears to be highly complicated [cf. R.A.M., iii, p. 536].</p>																																																																																																										
METALLURGICAL LITERATURE CLASSIFICATION																																																																																																										
<table border="1"> <thead> <tr> <th>GROUP</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> <th>11</th> <th>12</th> <th>13</th> <th>14</th> <th>15</th> <th>16</th> <th>17</th> <th>18</th> <th>19</th> <th>20</th> <th>21</th> <th>22</th> <th>23</th> <th>24</th> <th>25</th> <th>26</th> <th>27</th> <th>28</th> <th>29</th> <th>30</th> <th>31</th> <th>32</th> <th>33</th> <th>34</th> <th>35</th> <th>36</th> <th>37</th> <th>38</th> <th>39</th> <th>40</th> <th>41</th> <th>42</th> <th>43</th> <th>44</th> <th>45</th> <th>46</th> <th>47</th> <th>48</th> <th>49</th> <th>50</th> <th>51</th> <th>52</th> <th>53</th> <th>54</th> <th>55</th> <th>56</th> <th>57</th> <th>58</th> <th>59</th> <th>60</th> <th>61</th> <th>62</th> <th>63</th> <th>64</th> <th>65</th> <th>66</th> <th>67</th> <th>68</th> <th>69</th> <th>70</th> <th>71</th> <th>72</th> <th>73</th> <th>74</th> <th>75</th> <th>76</th> <th>77</th> <th>78</th> <th>79</th> <th>80</th> <th>81</th> <th>82</th> <th>83</th> <th>84</th> <th>85</th> <th>86</th> <th>87</th> <th>88</th> <th>89</th> <th>90</th> <th>91</th> <th>92</th> <th>93</th> <th>94</th> <th>95</th> <th>96</th> <th>97</th> <th>98</th> <th>99</th> <th>100</th> </tr> </thead> </table>						GROUP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
GROUP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100						

ALEKSEYEV, A.M.
CA

Effect of phosphates and nitrates on water regime of wheat leaves. A. M. Alekseyev and N. A. Gusev. Doklady Akad. Nauk S.S.S.R. 63, 760-72 (1970); cf. C.A.B. 43, 6703d. Infusion of 1% solns. of NaH_2PO_4 , KH_2PO_4 , $\text{Ca}(\text{H}_2\text{PO}_4)_2$, NaNO_3 , KNO_3 , $\text{Ca}(\text{NO}_3)_2$, $(\text{NH}_4)_2\text{SO}_4$ into wheat leaves caused the following effects: in early growth period nitrates and phosphates lowered free H_2O , raised bound H_2O , especially when Ca salts were used. Na phosphate gave a higher amt. of colloiddally bound H_2O than K phosphate; sulfate appeared to be a dehydrating agency. The amt. of colloiddally bound H_2O agreed with osmotic pressure of cell fluid, which is high in all cases (especially with NaNO_3). Expts. done during ear-formation stage showed high bound water content in all cases, especially with Ca salts; phosphates gave lower values than nitrates; colloiddally bound water gave analogous indications. Hence, at this stage the nitrates were able to stabilize the colloids better than the phosphates. G. M. K.

COMMON ELEMENTS		COMMON VALUABLES	
1	2	3	4
1	2	3	4
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9	10	11	12
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17	18	19	20
21	22	23	24
25	26	27	28
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33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

ALEXSEYEV, A. I.
CA

11d

PROCESS AND PROPERTIES INDEX

Influence of phosphates and nitrates on the water regime of wheat leaves under conditions of inadequate water supply. A. M. Alekseyev and N. A. Gusev. *Doklady Akad. Nauk S.S.S.R.* 65, 911-14 (1919).--Leaves injected with $(NH_4)_2SO_4$ lower the bound water level. The fact that Ca or Na phosphates give higher colloidal bound water than do Ca or Na nitrates indicates higher colloid stability of the cells. The dry wt. of the leaf is positively correlated with the amt. of colloidal bound H_2O . In undried leaves neg. correlation was found between colloidal bound water and the value of osmotic pressure. The dependence of the amt. of bound water upon the degree of hydration becomes important only after injection of Na salts; both phosphates and nitrates (Na) have the same effect. During ear-formation the effect of the unions is different from that observed during the growing period described above. Nitrates gave less free water and more bound water than the phosphates. The highest levels are found after Ca nitrate treatment. Thus phosphates have best stabilization effect on the colloids during the growing period and nitrates during the ear-formation.

G. M. Kowolapoff

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION		ESTIMATE, COMMENTS	
1	2	3	4
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

11d

A. M. ALEKSEYEV, A. M.

The influence of mineral feeding level on aqueous regime of plants. A. M. Alekseyev and Z. P. Gorelova. Doklady Akad. Nauk S.S.S.R. 67, 167-69 (1949). --Oat cultures in sand using Bruch mineral diet in normal, sub- and supernormal amts. gave the following results on leaf- and bound H₂O. Increase of mineral diet lowers the H₂O content in leaves; bound water drops both on increase and decrease of mineral feeding; the amt. of osmotically bound water rises with increased mineral diet parallel with the rise of osmotic pressure. Transfer of plants at the 8-leaf stage from low to high mineral diet somewhat raises their colloiddally bound water content; high mineral diet in early growth leads to premature lowering of the extent of hydration of the plant colloidal matter. G. M. K.

ASD-5LA METALLURGICAL LITERATURE CLASSIFICATION

11d

ALEKSEYEV, A.M.; GUSEV, N.A.

Effect of phosphates on the water cycle of wheat leaves under conditions of insufficient water supply. Izv.Kazanfil.AN SSSR.Ser. (MLRA 10:2)
biol.i sel'khoz.nauk no.1:3-16 '49.
(Wheat) (Plants, Effect of aridity on) (Phosphates)

ALEKSEYEV, A.M.; GUSEV, N.A.

Effect of phosphates and nitrates on the water cycle of wheat
leaves under conditions of insufficient water supply. Izv. Kazan.
fil. AN SSSR. Ser. biol. i sel'khoz. nauk no. 1:17-35 '49. (MLRA 10:2)
(Wheat) (Plants, Effect of aridity on) (Phosphates)
(Nitrates)

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'50. (MLRA 10:2)

— (Wheat) (Fertilizers and manures)
(Plants, Effect of aridity on)

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(Plants, Effect of aridity on)

ALEKSEYEV, A.M.

ALEKSEYEV, A.M.

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64
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Dynamics of content of auxins in leaves and flowers of red clover. A. M. Alekseyev and A. V. Startseva (Acad. Sci. U.S.S.R., Moscow). *Doklady Akad. Nauk S.S.S.R.* 71, 937-40(1980).—Auxin level in young flower buds is very low, but it rises rapidly with plant development, especially in the pollen grains; the auxin levels in the leaves are consistently very low. Addnl. PNK fertilization causes a rise of auxins in the reproductive organs of the plant, along with the general improvement of the condition of the plant. G. M. Kosolapoff

1. ALEKSEYEV, A. M.

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7. Relation of photosynthesis to water regimen of leaves. Izv. AN SSSR. Ser. biol. no. 3, 1952

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Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Biological Chemistry

✓ The dynamics of the bios group of substances in leaves and flower clumps of red clover. A. M. Alekseev and A. V. Startseva (Biol. Inst., Acad. Sci. U.S.S.R., Kazan). *Doklady Akad. Nauk S.S.S.R.* 93, 709-12(1953).—The bios group of substances, which are specific org. activators present in plant and animal tissues, was followed in red clover plants using *Torula utilis* as the index of activity. Generally the bios material declines in the leaves at the time of stem formation, probably by flow of the material to the stem matter during its growth. When stem growth subsides, the bios content of the leaves rises. In the flower clump the bios content declines steadily as the flowers develop. Highest bios content is found in the flowers of plants that are supplied with N-P-K fortified with B. Seed formation serves again to increase the bios content of these parts of the plant and the content of bios rises with development and ripening of the seeds. Fertilization of the plant increases the accumulation of bios matter.
G. M. Kosolapoff

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yield and soil moisture. Fiziol.rast. 2 no.3:215-220 My-Je '55.
(MIRA 8:11)

1. Biologicheskii institut Kazanskogo filiala Akademii nauk SSSR
(Wheat--Water requirements)

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[Effect of mineral nourishment on the water balance of plants]
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COUNTRY :USSR M
CATEGORY :Cultivated Plants. Grains.
ABS. JOUR. : RZBiol., No.21, 1958, No. 95928
AUTHOR :Alekseyev, A.M.
INST. :Voronezh Agric. Inst.
TITLE : A Sytem of Agricultural Methods for Obtaining
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239-246
ABSTRACT :
No abstract

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~~ALEKSEYEV~~, Aleksey Mikhaylovich; VASIL'YEVA, Irina Mikhaylovna;
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SHAROVATOVA, I.B., red.izd-vs; ASTAF'YEVA, G.A., tekhn.red.

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GUSEV, Nikolay Andreyevich; ALEKSEYEV, A.M., otv.red.; POTEKHINA, N.A.,
red.izd-va; MAKUNI, Ye.V., tekhn.red.

[Some characteristics of the water regimen of plants] Nekotorye
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1. Laboratory of Plant Physiology of Kazan University.
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1. Biologicheskii institut Kazanskogo filiala Akademii nauk
SSSR.

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no.3:23-32 '60. (MIRA 14:6)
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