

ALEXSEYEV, P.I.

(Odessa)

Determining critical load under bend of a beam with variable
rigidity. Stroi. mekh. i rasch. sooruzh. 5 no.6837-39 '63
(MIRA 1787)

KASHANSKIY, Mikhail Stanislavovich; PINSKIY, Iosif Yevseyevich;
SOKOLOV, Nikolay Vladimirovich; ALEKSEYEV, P.M., inzh.,
retsenzent; KLIN, S.V., inzh., retsenzent; YEROMITSKAYA,
Ye.Ye., red.

[Standardization and technology of the manufacture of
marine pipe fittings] Tipizatsiia i tekhnologiya izgo-
tovleniia sudovoi armatury. Leningrad, Sudostroenie,
1964. 317 p. (MIRA 18:2)

Александр
ALEKSEYEV, P.P.; BESYADOVSKIY, Ye.A.; GOLYSHEV, G.I.; IZAKOV, M.N.; KASATKIN,
A.M.; KOKIN, G.A.; LIVSHCHITS, N.S.; MASANOVA, N.D.; SHVIDKOVSKIY,
Ye.G.

Rocket exploration of the atmosphere, Meteor. i gidrol. no.8:3-13
Ag '57. (MIRA 10:8)
(Atmosphere, Upper) (Rockets in meteorology)

S/169/63/000/003/006/042
D263/D307.

AUTHORS: Alekseyev, P.P., Besyadovskiy, Ye.A., Biryukova, L.A.,
Golyshev, G.I., Ivanovskiy, A.I., Izakov, M.N.,
Kokin, G.A., Kurilova, Yu.V., Livshits, N.S., Petrov,
A.A., Rozhdestvenskiy, B.G., Solov'yev, N.V., Speran-
skiy, K.Ye., Khvostikov, I.A., Shvidkovskiy, Ye.G.
and Shcherba, I.A.

TITLE: Study of the upper layers of the atmosphere with the
aid of meteorological rockets

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 5, 1963, 28,
abstract 3A166 (Tr. Vses. nauchn. Meteorol. sovesh-
chaniya. T.I.L., Gidrometeoizdat, 1962, 91-103)

TEXT: In the present review-type article the authors give
the results of studies carried out at Tsentralnaya aerologicheskaya
observatoriya (Central Aerological Observatory) on atmospheric sound-
ing with meteorological rockets. Measuring methods are described and
the main points are given for obtaining such atmospheric character-

Card 1/2

Study of the upper layers ...

S/169/63/000/003/006/042
D265/D307

istics as pressure, temperature, and wind. Certain results are given: data of seasonal temperature variations at heights up to 50 km in the middle latitudes of the USSR and in polar regions, cases of sudden warming up, characterization of temperature distribution curves, a table characterizing the temperature inversion below the stratopause under the conditions of polar night, and data regarding the circulation in the upper atmospheric layers. Information is given on the constructed meridional sections of temperature fields and on the zonal component of the gradient wind. (25 references).
[Abstracter's note: Complete translation]

Card 2/2

ALEKSEYEV, P.P. (Leningrad)

Methodology in writing the history of surgery. Klin. med. 32
no.11:81-89 N '54. (MIRA 8:1)
(SURGERY, OPERATIVE, history
in Russia)

ALEKSEYEV, P.P.

Diagnosis and therapy of endarteritis obliterans. Vest.khir. 75
no.3:124 Ap '55. (MLRA 8:7)

1. Iz kliniki obshchey khirurgii Voenno-meditsinskoy ordena
Lenina akademii im. S.M.Kirova.
(ARTERIES--DISEASES)

ALEKSEYEV, P. P.

"Two Tests For Determination of Deficiency of Collateral Blood Circulation
in Limbs," Voenno-Med. Zhur., No. 11, p. 49, 1955.

ALEKSEYEV, P.P., kandidat meditsinskikh nauk.

Early diagnosis of endarteritis obliterans. Vest. khir. 76 no.11:
23-33 '55. (MLRA 9:4)

1. Iz kafedry ovshchey khirurgii (nach.-prof. V.I. Popov) Voenno-
meditsinskoy ordena Lenina akademii imeni. S.M. Kirova.
(ENDARTERITIS OBLITERANS, diag.
early, review)

USSR/General Problems of Pathology - Comparative Oncology.
Tumors of Man:

U-3

Abs Jour : Ref Zhur - Biol., No 16, 1958, 75629

Author : Alekseyev, P.P.

Inst :

Title : On the Diagnostic of Carotid Body Tumors.

Orig Pub : Klinich. Meditsina, 1956, 34, No 3, 62-67.

Abstract : Report of 2 cases of carotid body tumors. Confirming the differential-diagnostic sign of the carotid body tumor - its displacement only in horizontal direction - the author determined that by a slight compression of tumor, lowering of the arterial blood pressure for 90 min. is observed. This is suggested also as a differential-diagnostic symptom of this tumor. After removal of the tumor a hypertensive syndrome is observed. -- V.N. Sagaydak.

Card 1/1

ALEKSEYEV P.P.

POPOV, V.I., prof.; ALEKSEYEV, P.P., kand.med.nauk

Clinical data on the results of the treatment of thrombophlebitis
[with summary in English]. Vest.khir. 79 no.11:23-31 N '57.

(MIRA 11:3)

1. Iz kafedry obshchey khirurgii (nach.-prof. V.I.Popov) Voenno-
meditsinskoy ordena Lenina akademii im. S.M.Kirova.
Adres avtorov: Leningrad, ul. Lebedeva, d.8, klinika obshchey khirurgii.

(THROMBOPHLEBITIS, ther.

penicillin with procaine, intra-arterial admin. (Rus)

(PENICILLIN, ther. use

thrombophlebitis, with procaine, intra-arterial admin.

(Rus)

(PROCAINE, ther. use

thrombophlebitis, with penicillin, intra-arterial admin.

(Rus)

17(12)

SOV/177-58-11-41/50

AUTHOR: Alekseyev, P.P., Candidate of Medical Sciences

TITLE: The Treatment of Acrodermatitis Atrophicans With Intramuscular Injection of Penicillin With Novocaine

PERIODICAL: Voyenno-meditsinskiy zhurnal, 1958, Nr 11, p 87 (USSR)

ABSTRACT: The author gives the following scheme for treating patients suffering from atrophying acrodermatitis with penicillin combined with novocaine: 300,000 units of penicillin and 20 ml 0.5% novocaine were daily injected into the arteria of the affected extremity for a period ranging from 14 to 18 days. At this period, 300,000 units of penicillin were injected intramuscularly daily in order to reduce washing out of penicillin out of the saturation field. The same treatment was repeated after 6 - 8 months. The above method was successfully applied in 4 cases.

Card 1/1

POPOV, V.I., prof., ALEKSEYEV, P.P., kand.med.nauk (Leningrad)

Methods for determining and classifying collateral blood circulation
in obliterating endarteritis. Klin.med. 36 no.11:90-95 '58

(MIRA 11:12)

1. Iz kliniki obshchey khirurgii (nach. kafedry - prof. V.I. Popov)
Voyenno-,editsinskoy ordena Lenina akademii imeni S.M. Kirova.

(ARTERIOSCLEROSIS, OBLITERANS, physiol.

collateral blood circ., method of determ. & classif.
(Rus))

ALEKSEYEV, P.P., kand.med.nauk (Leningrad, D-28, ul. Furmanova, d.26, kv.19)

Rare localizations of arteritis obliterans; pathogenesis, clinical picture and treatment [with summary in English]. Vest.khir. 81 no.9:117-128 S'58 (MIRA 11:11)

1. Iz kliniki obshchey khirurgii no.1 (nach. - prof. V.I. Popov) Voenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

(THROMBOANGIITIS OBLITERANS, case reports

rare localizations, pathogen., clin. pathol. & ther. (Rus))

ALEKSEYEV, P.P., kand.med.nauk (Leningrad, D-28, ul. Furmanova, d.26, kv.19);
YARTSEV, S.G., kand.med.nauk

Syndrome of circulatory insufficiency in the common carotid artery
in obliterating endarteritis. Nov.khir.arkh. no.5:74-77 S-0 '59.

(MIRA 13:3)

1. Kafedra obshchey khirurgii (nachal'nik - prof. V.I. Popov) Voenno-
meditsinskoy akademii im. S.M. Kirova.

(ARTERIES--DISEASES)

ALEKSEYEV, P.P., kand.med.nauk (Leningrad)

Hyperreflex activity of the carotid sinus in obliterating endarteritis.
Klin.med. 37 no.9:127-132 S '59. (MIRA 12:12)

1. Iz kafedry obshchey khirurgii No.1 (nach. - prof. V.I. Popov)
Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova).
(ENDARTERITIS physiol)
(CAROTID SINUS physiol)

ALEKSEYEV, P.P., kand med. nauk (Leningrad, ul. Furmanova, d.26, kv. 19)

Glomerular tumors of arteriovenous anastomoses. Vest. khir. 82
no.5:112-114 My '59. (MIRA 12:7)

1. Iz kafedry obshchey khirurgii (nach. - prof. V. I. Popov) Voenno-
meditsinskoy ordena Lenina akademii im. S.M. Kirova.
(BLOOD VESSELS--TUMORS)

ALEKSEYEV, P.P., kand.med.nauk (Leningrad, D-28, ul.Furmanova, d.26, kv.19)

Congenital multiple arteriovenous anastomoses with the syndrome of
macroomia partialis. Vest.khir. 83 no.7:136-141 J1 '59.

(MIRA 12:11)

1. Iz kafedry obshchey khirurgii (nach. - prof.V.I.Popov)
Voyenno-meditsinskoy ordena Lenina akademii im. S.M.Kirova.
(BLOOD VESSELS--ABNORMITIES AND DEFORMITIES)

ALEKSEYEV, P.P., kand.med.nauk

Disorders of vascular permeability in endarteritis obliterans.
Vest.khir. no.6:70-73 '61. (MIRA 15:1)

1. Iz kliniki obshchey khirurgii (nach. - prof. V.I. Popov)
Voyenno-meditzinskoy ordena Lenina akademii im. S.M. Kirova.
(ARTERIES--DISEASES) (BLOOD VESSELS--PERMEABILITY)

ALEKSEYEV, P.P., kand.med.nauk (Kalinin obl., 8, Novopromyshlemaya ul.,
d.40, kv.10)

Significance of increased sensitivity of the carotid sinus in some
surgical diseases. Vest.khir. no.9:85-88 '61. (MIRA 15:3)

1. Iz kafedry obshchey khirurgii (nach. - prof. V.I. Popov)
Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova
i gospital'noy khirurgicheskoy kliniki (zav. - prof. V.S. Gamov)
Kalininskogo meditsinskogo instituta.
(CAROTID SINUS) (ARTERIES—DISEASES)

ALEKSEYEV, P.P., kand.med.nauk

Some data on the etiology and pathogenesis of endarteritis
obliterans. Sov.med. no.3:36-41 '62. (MIRA 15:5)

1. Iz kafedry obshchey khirurgii (nach. - prof. V.I. Popov)
Voyenno-meditsinskoy akademii imeni S.M. Kirova i kafedry
gospital'noy khirurgii (zav. - prof. V.S. Gamov) Kalinin-
skogo meditsinskogo instituta.
(ARTERIES---DISEASES)

ALEKSEYEV, P.P., kand.med.nauk (Kalinin)

Clinical significance of a delayed reflex from the zone of the carotid sinus on cardiac activity. Klin.med. no.9:71-75 '62.

(MIRA 15:12)

1. Iz kafedry obshchey khirurgii Kalininskogo meditsinskogo instituta.

(HEART) (CAROTID SINUS) (REFLEXES)

ALEKSEYEV, P.P., doktor med. nauk

Test for the determination of insufficiency of collateral blood circulation in the extremities. Sov. med. 27 no.10:82-87 O '63.

(MIRA 17:6)

1. Iz kliniki fakul'tetskoy khirurgii (zav.-doktor med. nauk P.P. Alekseyev) Smolenskogo meditsinskogo instituta.

ALEKSEYEV, P.P., -doktor med. nauk

Erythromelalgia. Vest. khir. 93 no.8:103-105 Ag '64. (MIRA 18:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - P.P.Alekseyev)
Smolenskogo meditsinskogo instituta.

ALEKSEYEV, P.P., prof., KOZLOV, V.P.; VASIL'YEVA-DRYUKOVA, M.Kh.; YAKUSHEV,
S.Ya.; ZAYKOVSKIY, I.Ya.

Compound treatment of acute and chronic renal insufficiency using
hemodialysis. Sov. med. 28 no.5:98-102 My '65. (MIRA 18:5)

1. Klinika fakul'tetskoy khirurgii (zav. - prof. P.P.Alekseyev)
Smolenskogo meditsinskogo instituta.

ALEKSEYEV, P.S.

~~Techniques of plethysmography.~~ Techniques of plethysmography. Klin.med. 34 no.4:77-78 Ap '53. (MLRA 6:7)

1. Kafedra fakul'tetskoy terapii. 2. Kafedra normal'noy fiziologii Krymskogo meditsinskogo instituta imeni I.V.Stalina. (Plethysmography)

ALEKSEYEV, P. V.

ALEKSEYEV, P. V. - "Growth and Development of Spruce Leaves and Leafy-Fir Plantings and Features of Their Economy." Sub 26 Jun 52, Moscow Forestry Engineering Inst. (Dissertation for the Degree of Candidates in Agricultural Sciences).

SO: Vechernaya Moskva January-December 1952

COUNTRY : U.S.S.R.
CATEGORY : Forestry, Forest Biology and Typology.
ISS. JOUR. : RRBiol., No. 2, 1959, No. 6132
AUTHOR : Alekseyev, P.V.
INST. : Povolzhskiy Forest Engineering Institute
TITLE : The Forms of Existence of Small Spruce Undergrowth in Spruce Woods and Spruce Light Requirements during the First Years.
ORIG. PUB. : Sb. tr. Povolzhsk. lesotekhn. inst., 1957 (1958), No. 52, 231-238
ABSTRACT : The findings are examined of many years of observing the spruce undergrowth at Lisinskiy Leskhoz in Leningradskaya Oblast', Shchelkovskiy Leskhoz in Moskovskaya Oblast' and on Valday Elevation in Novgorodskaya Oblast'. The author differentiates the peculiar form of undergrowth in the spruce woods, the so-called shade form of spruce scrub which specifically requires this environment and is capable of withstanding its
CARD: 1/2

VASIL'YEV, P.V., prof., doktor ekon. nauk; PONOMAREV, A.D.; SOLDATOV, A.G.,
kand. sel'khoz. nauk; MOTOVILOV, G.P., doktor sel'khoz. nauk;
NEVZOROV, N.V., kand. ekon. nauk; LOSITSKIY, K.B., kand. sel'khoz.
nauk; RODIONOV, A.Ya., kand. sel'khoz. nauk; CHARKINA, A.P., kand.
sel'khoz. nauk; LUTSEVICH, A.A., kand. sel'khoz. nauk; KOZHEVNIKOV,
M.G., dots.; ALEKSEYEV, P.V., kand. sel'khoz. nauk; ZORIN, A.V.,
aspirant; BARANOV, N.I., kand. sel'khoz.nauk [deceased]; NAUMENKO,
I.M., prof., doktor sel'khoz.nauk; IL'IN, A.I., kand.sel'khoz. nauk;
MOISEYENKO, F.P., kand. biol. nauk; ZAKHAROV, V.K., prof., doktor sel'-
khoz. nauk; GECHIS, Yu.P., starshiy nauchnyy sotr.; BUTENAS, Yu.P.,
kand. sel'khoz. nauk; BUBLIS, K.A., aspirant; KALNIN'SH, A.Ya., kand.
sel'khoz. nauk; ZVIYEDRIS, A.I., kand. sel'khoz. nauk; SUKACHEV, V.N.,
akad. red.; ZHUKOV, A.B., prof., red.; PRAVDIN, L.F., prof., red.;
MAKAROVA, L.V., red. izd-va; LOBANKOVA, R.Ye., tekhn. red.

[Problems of increasing forest productivity in four volumes] Pro-
blemy povysheniya produktivnosti lesov v chetyrekh tomakh. Moskva,
Goslesbumizdat. Vol.4.[Economic problems of increasing forest
productivity and accelerating ripening and cutting ages]Ekonomicheskie
voprosy povysheniya produktivnosti lesov, vozrasty spelosti i vozrasty
rubok. 1961. 253 p.
(MIRA 15:1)

1. Akademiya nauk SSSR. Institut lesa. 2. Nachal'nik Glavnoy inspeksii
po lesnomu khozyaystvu i polezashchitnomu lesorazvedeniyu Ministerstva
sel'skogo khozyaystva SSSR (for Ponomarev).
(Forests and forestry--Economic aspects)

ALEKSEYEV, P.V., inzh.; TSYVIL', A.L., inzh.

Mechanized assembling of blast-furnace cooling units. Nov.tekh.
mont.i spets.rab. v stroi. 21 no.5:4-6 My '59.
(MIRA 12:7)

1. Proyektynaya kontora tresta Stal'montazh.
(Blast furnaces--Cooling)

TSIFRINOVICH, A.Z., inzh.: ALEKSEYEV, P.V., inzh.

Reconstruction of a blast furnace at the Kosogorskiy Metallurgical
Plant. Mont. i spets. rab. v stroi. 22 no.5:3-8 My '60.

(MIRA 13:10)

1. Trest Stal'montazh.

(Tula Province-Blast furnaces-Maintenance and repair)

TEYVEL', A.L.; ALEKSEYEV, P.V.

New method of unrolling rolls of the shell of a hot-blast stove.
Prom. stroi. 39 no.11:33-36 '61. (MIRA 14:12)

1. Proyechnaya kontora tresta Stal'montazh.
(Air preheaters)

BOCHINSKIY, Nikanor Faustovich; ALEKSEYEV, P.V., inzh., nauchnyy red.;
PONOMAREV, P.Z., red. izd-va; BOROVNEV, N.K., tekhn. red.

[Safety engineering manual for assemblers working on high structures]
Pamiatka po tekhnike bezopasnosti dlia montazhnikov-verkholazov. Mo-
skva, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam,
1961. 40 p. (MIRA 14:7)
(Building—Safety measures)

TEYVEL', A.L., inzh.; ALEKSEYEV, P.V., inzh.

Unit for the manufacture of rolled stock for sheet elements up to 16 mm. thick. Prom.stroi. 40 no.11:53-56 '62. (MIRA 15:12)

1. Proyekt'naya kontora Gosudarstvennogo tresta po montazhu stal'-nykh konstruksiy Glavstal'konstruksii Ministerstva stroitel'stva SSSR.

(Steel, Structural)

ALEKSEYEV, P.Ye., inzh.

Calking wooden barge bottoms with use of compressed air. Rech. transp.
17 no.4:34 Ap '57. (MIRA 11:4)
(Barges) (Pneumatic tools)

ALEKSEYEV, P.Ye., inzh.

Experience in operating the diesel ship "Rocket." Sudostroenie
24 no.8:1-4 Ag '58. (MIRA 11:10)
(Motorships)

34058

S/128/62/000/002/001/007
A004/A127

IP.1100

AUTHORS: Gulyayev, B.B.; Alekseyev, P.Ye.; Kononov, D.R.; Stepanov, N.M.

TITLE: High-strength cast steel of good weldability

PERIODICAL: Liteynoye proizvodstvo, no. 2, 1962, 1 - 4

TEXT: The authors point out that the steel grades 30XHMJL(30KhnML), 30XHBJL(30KhnVL) and 30DXCHJL(30DKhSNL) with σ_s exceeding 50 kg/mm² according to GOST (GOST) 7832-55 have no good weldability and unsatisfactory casting properties, while the steel grades 10XHDTJL(10KhnDTL), 13XHDFJL(13KhnDFJL) and 08GDHFL(08GDNFL), though of good weldability, are no high-strength steels, with σ_s not exceeding 40 - 45 kg/mm² after heat treatment. Investigations were carried out with compositions containing the following alloying additives: 0.8 - 1.4 % Si, 1.2 - 1.4 % Mn, 0.8 - 1.5% Cr, 0.8 - 3.0% Ni, 0.2 - 0.3% Mo, 0.5 - 0.8% W, 0.1 - 0.2% V, 0.1 - 0.2% Ti, 0.5 - 2.5% Cu, 1.5 - 1.8% Al, 0.2 - 0.3% Ce. The following scientific workers participated in the development, investigations and introduction of steel grades of good weldability: I.A. Shapranov, P.I. Gar-kushka, P.Ye. Kovalenko, N.A. Shuvalova and N.I. Smirnova. The authors describe various tests being carried out with specimens of different steels, e.g., 12CFJL

Card 1/2

34058

S/128/62/000/002/001/007
A004/A127

High-strength cast steel of good weldability

(12SGFL), 12CH2ΦЛ(12CN2FL), 12X2HMЛ(12Kh2NML), 12 ДН2ΦЛ(12DN2FL), 12 ДЧ2ΦЛ(12DSN2FL) and 12 ДГΦЛ(12DGFL), of which the 12SGFL, 12SN2FL and 12DGFL grades had σ_s of less than 50 kg/mm², while the remaining grades ensured $\sigma_s = 50 + 60$ kg/mm² in 100 mm cross sections. Tests on a special device revealed that the mechanical properties of all experimental steel grades near the crystallization temperature were not inferior to the 35Л(35L) grade. The optimum combination of mechanical properties, weldability and technological properties was shown by the grades 12DGFL, 12DN2FL, 12DSN2FL and 12SN2FL, of which a test lot was smelted in a basic electric arc furnace with subsequent casting of components of intricate configuration. Technical data presented in a table show that grade 12DN2FL steel having a good weldability, possessed σ_s of not lower than 55 kg/mm² combined with a high ductility and notch toughness. The authors report on investigations being carried out to establish the most favorable heat-treatment conditions for the above-mentioned steel grades, present a number of comparative graphs and tables, and, in their conclusion, especially recommend the 12DGFL grade steel of good weldability and the high-strength 12DN2FL grade steel possessing an excellent weldability to be used extensively and to be included in the GOST-standard. There are 6 figures and 4 tables.

Card 2/2

ACCESSION NR: AT4016063

S/2698/63/000/000/0147/0152

AUTHOR: Gulyayev, B. B.; Stepanov, S. A.; Alekseyev, P. Ye.; Sandomirskiy, M. M.

TITLE: An investigation of the properties of high-strength cast steel with good weldability

SOURCE: Soveshchaniye po teorii liteyny*kh protsessov. 8th, 1962. Mekhanicheskiye svoystva litogo metalla (Mechanical properties of cast metal). Trudy* soveshchaniya, Moscow, Izd-vo AN SSSR, 1963, 147-152

TOPIC TAGS: welding, steel welding, high strength steel, cast steel, cast steel welding, steel, alloy steel

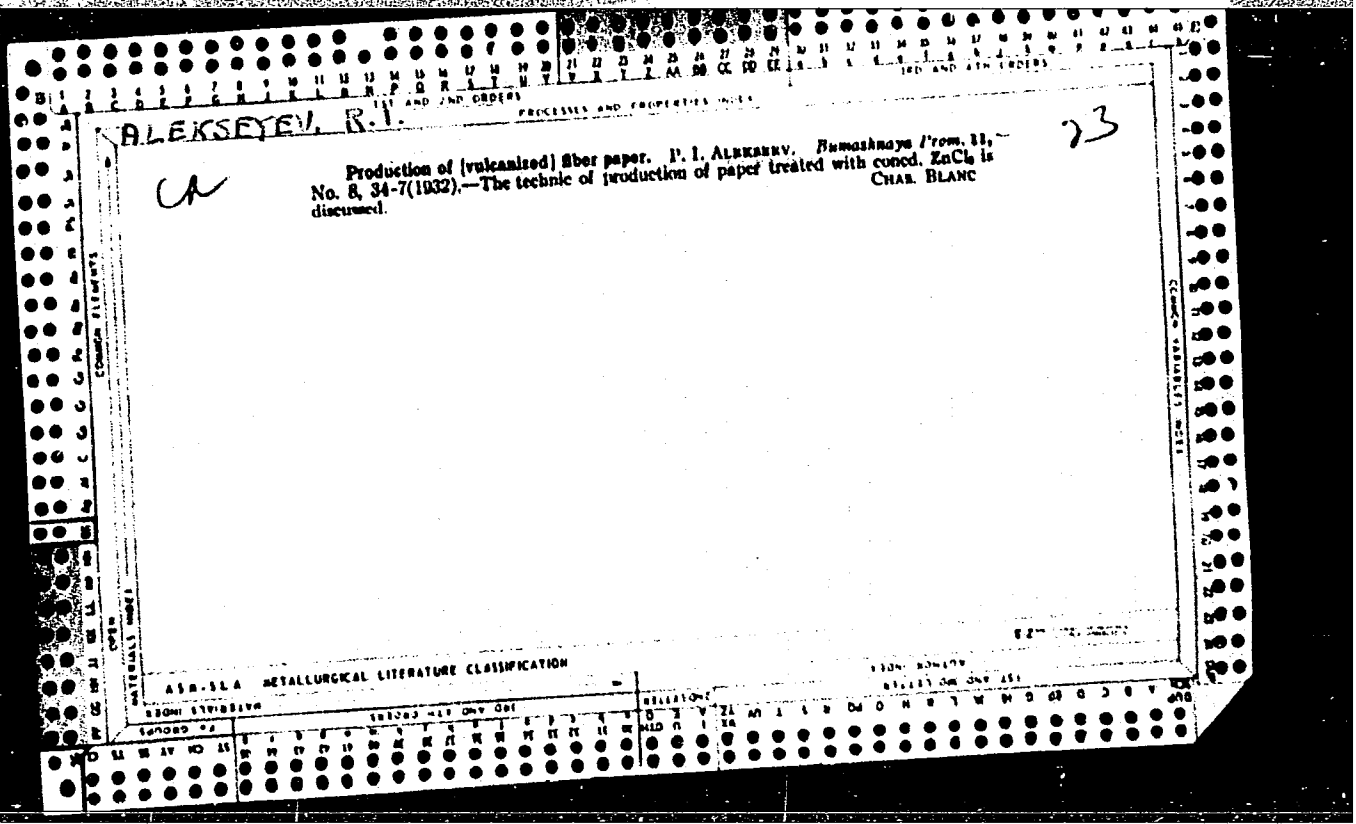
ABSTRACT: Engineers in various fields are making wide use of cast-welded structures, the parts of which consist of stamped details, rolled stock, and steel castings. The welding properties of cast steel, however, depend markedly on the composition. The authors therefore developed a new grade 12DKhNGDL steel which welds easily and may be used for complex castings. First of all, only 0.1-0.2% carbon was used in the steel, plus the following combined admixtures: chromium and nickel; chromium, nickel and molybdenum; or chromium, manganese and silicon, as well as vanadium and copper.

1/3

Card

ALEKSEYEV, P.Ye.; SMIRNOVA, N.I.

Efficient conditions of heat treating case-hardened 18KhNVA
steel parts. Metalloved. i term. obr. met. no. 6:47 Je '64.
(MIRA 17:7)



1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX 3RD AND 4TH ORDERS

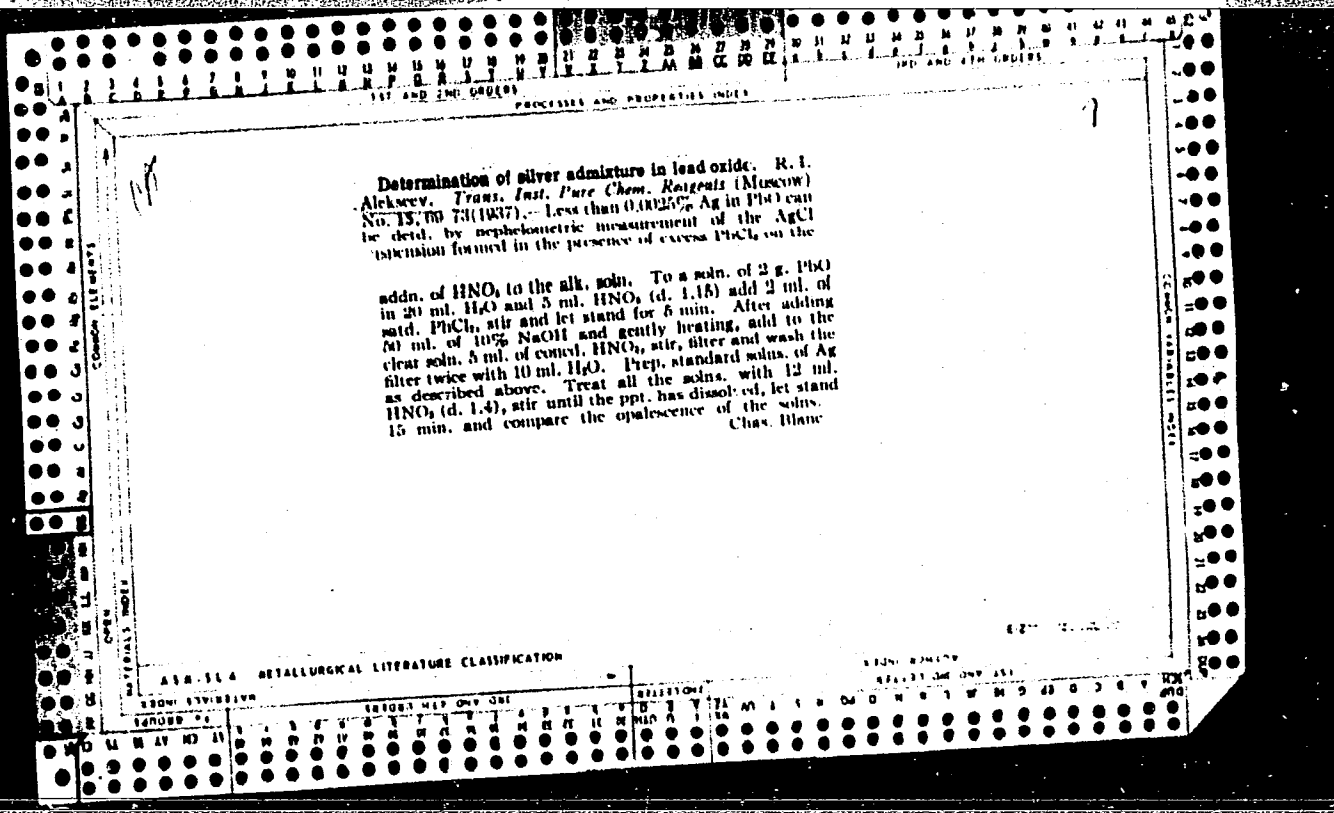
BC *a-1*

Colorimetric determination of Iodine. R. I. ALKBERG (J. Appl. Chem. Russ., 1936, 9, 547-551).—
10 ml. of 13% AgNO₃ are shaken with 25 ml. of approx. 0.1N-I in KI, the ppt. is collected and washed, and the filtrate + washings are titrated with 0.1N-NaOH. The [I] is calc. from $6I + 3H_2O + 6AgNO_3 \rightarrow 5AgI + AgIO_3 + 6HNO_3$. R. T.

COMMON ELEMENTS COMMON VARIABLES INDEX

ASM - SIA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS 3RD AND 4TH ORDERS 1ST AND 2ND ORDERS 3RD AND 4TH ORDERS



LIST AND INDEX ORDERS PROCESSES AND PROPERTIES INDEX

H-1

BC

Calculation of corrections for volume of precipitate in titrating with an aliquot part of filtrate. P. I. ALKINOV (Sborn. Rabot. Lab. Inst., 1937, 18:75-90).—Formulas for calculating results of analysis, including corrections for the vol. of ppt. in titrating an aliquot part of a filtrate; are given. Examples illustrate the magnitude of the errors due to the vol. of ppt. D. G.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

A U T H O R S I N D E X

L I T T E R A T U R E I N D E X

M A T E R I A L S I N D E X

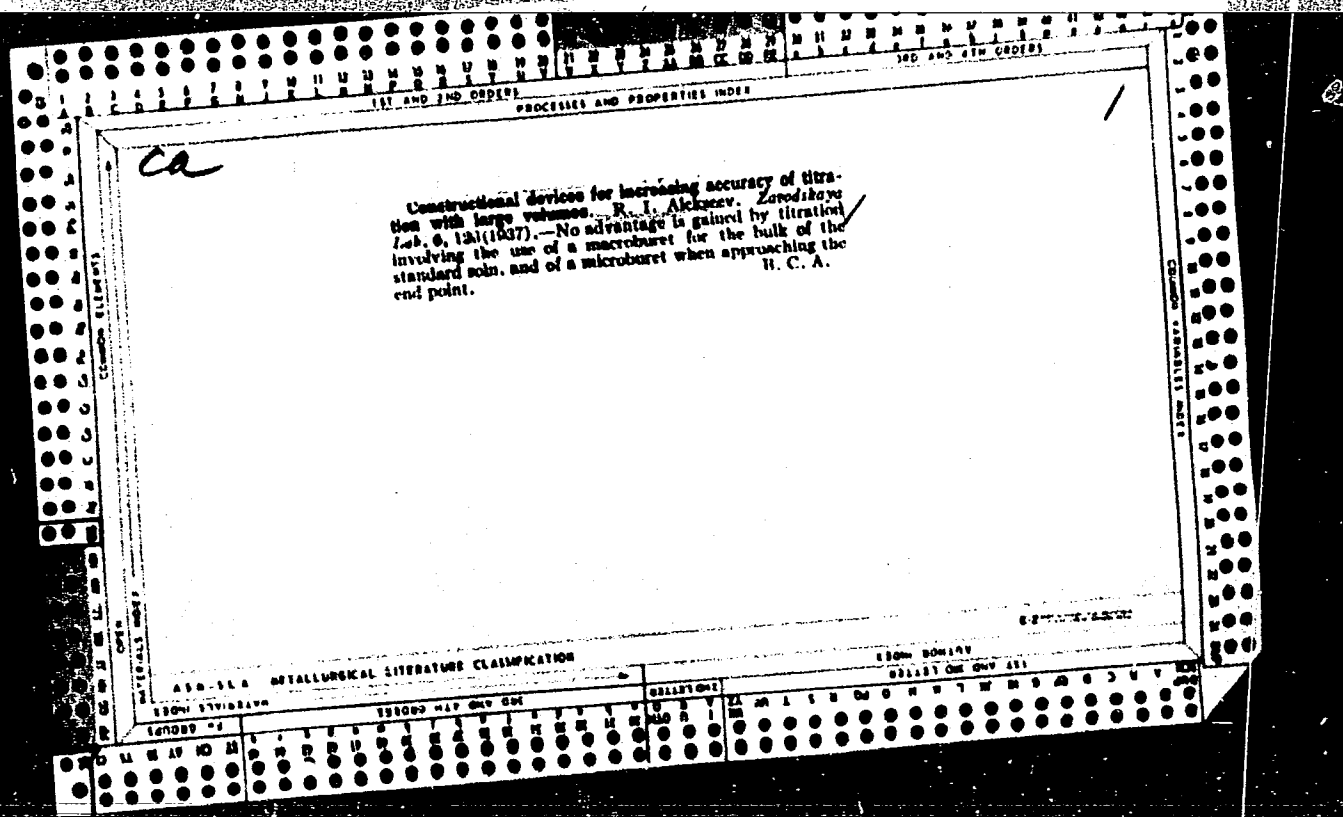
C O M M O N E L E M E N T S

C O P E N H A G E N

M A T E R I A L S I N D E X

L I T T E R A T U R E I N D E X

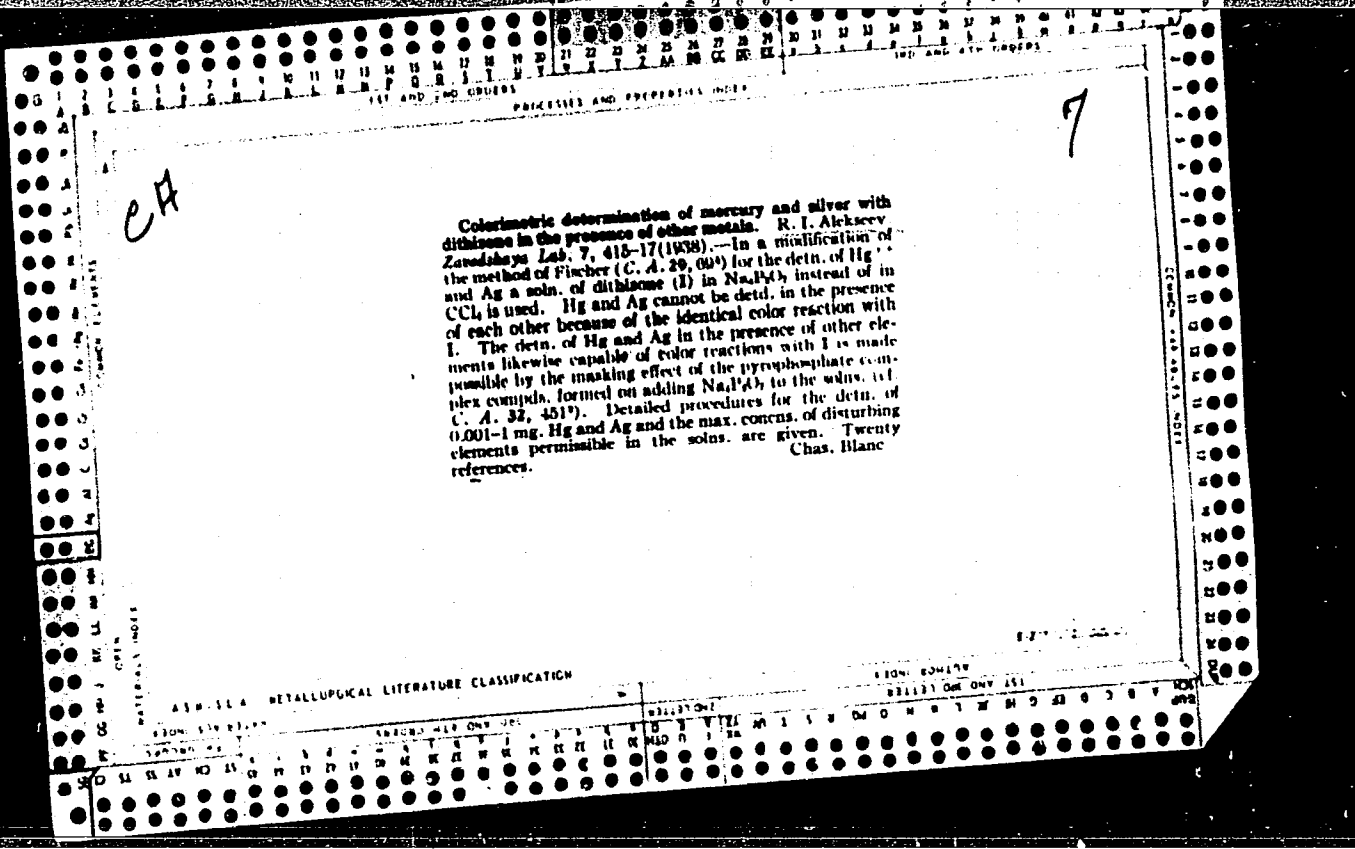
A U T H O R S I N D E X



CA

Determination of bromine in phosphorus tribromide.
 R. L. Aikacov, *Zarodskaya Lab.* 6, 816-18 (1937).
 In the detn. of Br in PBr₃ the usual difficulties in oxidizing the H₃PO₄ without decompn. of the HBr (PBr₃ + 3H₂O = 3HBr + H₃PO₄) can be eliminated by boiling the soln. with alk. KMnO₄. The excess KMnO₄ is decompd. with excess Na₂SO₃ and the entire MnO₂ in the soln. is converted into Mn(NO₂)₂ with dil. HNO₃. The excess H₂SO₄ is oxidized with approx. 0.1 N KMnO₄ in the presence of a measured amt. of KI and starch soln. The soln. is decolorized with a drop of 0.1 N Na₂SO₃ and then treated with AgNO₃ as usual. To obtain the true Br value, the calcd. wt. of the AgI must be deducted from that of AgBr. The H₂SO₄ and H₂SO₃ formed by oxidation of Ag₂SO₃ do not affect the detn., because the formation of Ag₂SO₃ can be obviated by working with sufficiently dil. solns. or can be removed by washing the ppt. free from SO₂ and Ag ions, while Ag₂SO₃ is sol. in H₂O. A correction must be introduced for the AgCl formed in the reaction by the contaminating PCl₃. This can be detd. by Berg's method (cf. C. A. 21, 31) as modified by Frost (C. A. 23, 23(4)). Directions for the 2 procedures are given. Twelve references.

Chas. Blanc

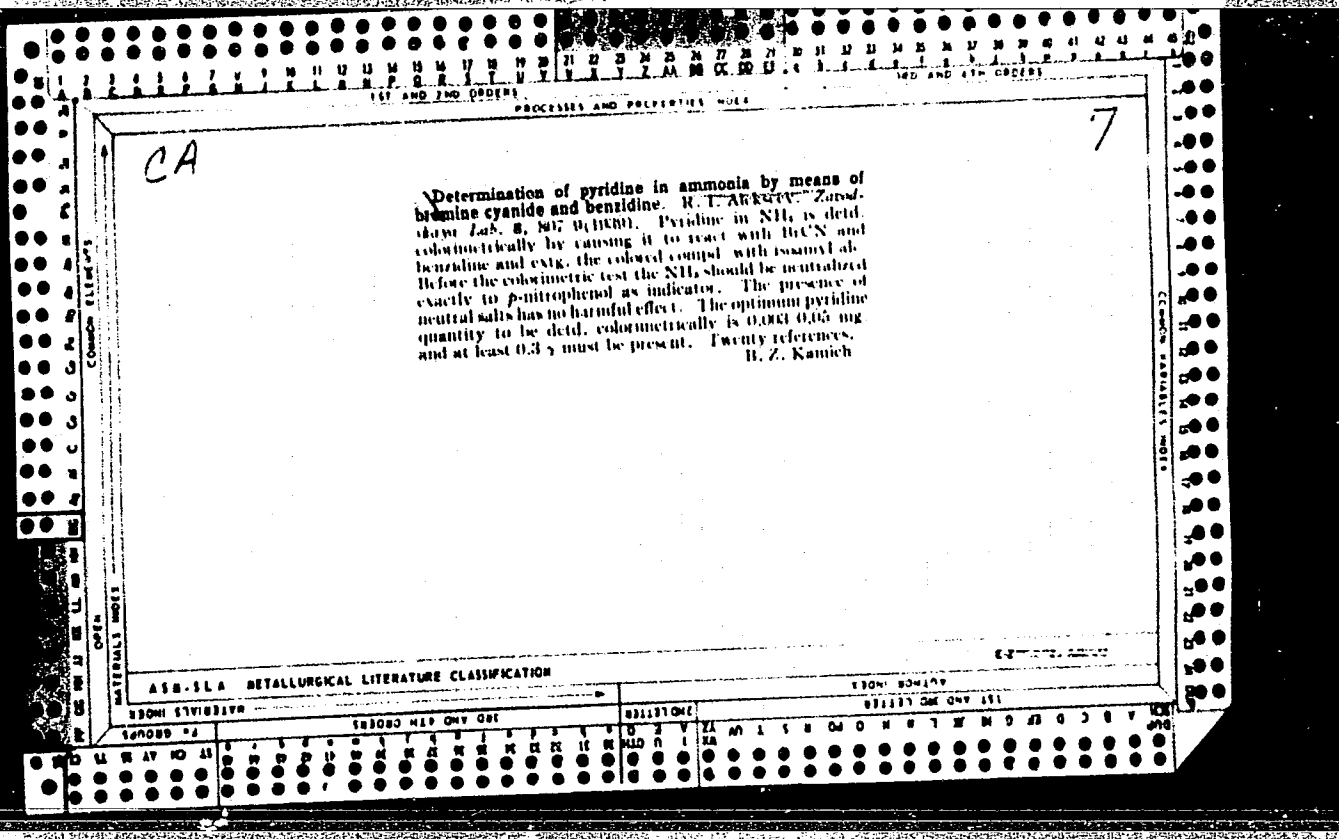


7

Colorimetric determination of molybdenum with pyrogallol. R. I. Akhreev. *Zashchita Lab.* 7, 443-4 (1938).—Consistently accurate results can be obtained in the colorimetric detn. of aivalent Mo with pyrogallol (I) instead of tannin. The intensity of the color in the presence of excess I is a function of the Mo concn. and the pH of the soln. The same color range of equal intensities from colorless through yellow and orange to orange-red is produced at a definite pH with increasing Mo concn. and

at a definite Mo concn. with increasing pH of the soln. The rate of spontaneous oxidation and discoloration of I solns. increases rapidly with higher pH . At the optimum $pH = 4.4$ the color reaction is stable for about 1 hr. To prep. standard Mo soln., dissolve NH₄ molybdate corresponding to 1 g. Mo in 500-600 ml. water, add 20-4 drops of 0.1% p -HOC₆H₄NO₂ and, if the soln. becomes yellow, decolorize by titration with *N* HCl; if on the addn. of HOC₆H₄NO₂ the soln. is colorless, titrate with *N* NaOH to a yellow and decolorize with a drop of HCl. Dil. the soln. to 1 l. Neutralize the soln. to be tested in the presence of HOC₆H₄NO₂ with HCl or NaOH as above and dil. to a measured vol. to give a soln. with 0.5-1 mg. Mo in 10 ml. To 10 ml. of the soln. add 10 ml. of the I reagent (10 g. I and 20 ml. of 100% AcOH in 1 l.) and 10 ml. of 0.2 *N* NaOAc and compare with the standard solns., contg. the required amts. of Mo, treated with water to 10 ml. and equal vols. of the I reagent and NaOAc soln. Since other metals (Fe, W) give color reactions with I, these cations must be previously removed by the method of Ugnaychev (*Zashchita Lab.* 1, 27 (1934)) and Spurge (*C. A.* 13, 2322). The reaction is sensitive to a min. of 0.001 mg. and a concn. of 1:10⁵. The best results are obtained with 0.05-1 mg. in 10 ml. Fifteen references. *Chem. Abstr.*

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PROCEDURES AND PROPERTIES INDEX

7

CA

Quantitative separation and determination of the anions of phosphoric, arsenic, and silicic acids by selective extraction. *R. I. Alekseyev, Zashchita Lab. 11, 122-34 (1945).* A new method for detection, sep., and colorimetric detn. of the PO_4^{3-} , AsO_4^{3-} , and SiO_4^{2-} is based on successive selective extn. of the corresponding heteropoly acids of Mo by org. liquids and the subsequent colorimetric detn. Each anion can be present in ams. of 0.01-10.0 mg. (AsO_4^{3-} from 0.02 mg.), the sum of all 3 anions not exceeding 10 mg. The org. liquids used accelerate the formation of heteropoly acids and increase the sensitivity of the detn. by concg. the colored heteropoly acid in the layer of the extg. liquid. Transfer the soln. (not exceeding 100 ml. at pH 7) to a 250-ml. sepg. funnel, add water to 100 ml., 1 ml. of 5% HNO_3 + 8 ml. of 10% (Na_2SO_4) $_{aq}$. Mix, let stand for 5 min., add 10 ml. of HNO_3 + 5 ml. of $ButOH$, and shake the mixt. vigorously until all $ButOH$ is dissolved. To det. PO_4^{3-} in the soln., add 15 ml. of $ButOH + CHCl_3$ (1:3 by vol.), mix by turning over the funnel 15-20 times, let stand, sep. the layer contg. the PO_4^{3-} complex, continue the extn. by adding 15 ml. of $ButOH + CHCl_3$ until the lower layer is colorless. Combine all portions of the ext., dil. with $ButOH$ to a known vol., and det. PO_4^{3-} in the soln. colorimetrically. Add 15 ml. of $ButOH + EtOAc$ (1:1 by vol.) to the soln. remaining in the sepg. funnel after the sepg. of the P complex, shake vigorously, add 15 ml. of $CHCl_3$, mix by turning over the sepg. funnel 15-20 times, let stand, pour off the lower layer contg. the As complex, repeat the extn. until the lower layer is colorless, combine all portions of the ext., dil. with $ButOH$ to known vol., and det. AsO_4^{3-} colorimetrically. After the removal of the complexes of P and As, the color of the soln. depends only on the heteropoly silicomolybdic acid. At large concns. of this acid the content of SiO_4^{2-} can be detd. colorimetrically directly in the soln. At small concns. the Si complex must first be extd. To the soln. remaining after the removal of P and As complexes add 10 ml. of 5% HNO_3 and 15 ml. of $ButOH$, mix by turning over the funnel 15-20 times, pour off the lower layer into another sepg. funnel, ext. by adding $ButOH$ in 15-ml. portions until decolorized, combine all portions with the upper layer, dil. with $ButOH$ to a known vol., and det. SiO_4^{2-} colorimetrically. Twenty-one references.

W. R. Hunt

458-31A METALLURGICAL LITERATURE CLASSIFICATION

E-27000

111 AND 110 CARDS

111 AND 110 CARDS

ALEKSEYEV, R.I.; POLEVAYA, O.N.

Separation of substances by the alternate extraction method
(isolation of Mo⁹⁹ from a mixture of uranium fission fragments).
Radiokhimiya 3 no.4:458-465 '61. (MIRA 14:7)
(Molybdenum—Isotopes)
(Fission products)

ALEKSEYEV, R.I.

Apparatus for simultaneous mixing and sampling of loose materials.
Zav. lab. 27 no. 4:474-479 '61. (MIRA 14:4)
(Sampling)

ALEKSEYEV, R.I.; DOMDYAKOVA, I.T.

Determination of the water content of tributyl phosphate,
kerosine, and kerosine solutions of tributyl phosphates. Zav.
lab. 30 no.5:533-536 '64. (MIRA 17:5)

ALEKSEYEV, R.I.; TOKARSKAYA, Ye.A.

Semiautomatic laboratory device for measuring equal portions
of gas. Zav. lab. 30 no.5:636 '64. (MIRA 17:5)

I 10221-66 EWT(m)/T/EWP(t)/EWP(b)/EWA(c)/ETC(m) JD/WW

ACC NR: AP5028498

SOURCE CODE: UR/0286/65/000/020/0074/0075

AUTHORS: Alekseyev, R. I.; Voytenko, V. I.; Tokarskaya, Ye. A.

ORG: none

TITLE: Device for determination of moisture in gases. Class 42, No. 175681

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 20, 1965, 74-75

TOPIC TAGS: moisture content, moisture determination, moisture measurement, moisture

ABSTRACT: This Author Certificate presents a device for determination of moisture in gases. The apparatus consists of a pipe with a mandrel, flow meter, d-c current supply, and a current meter (automatic or pointer type). On the mandrel are wound two platinum electrodes. The mandrel and electrodes are covered with a thin hygroscopic film, consisting of a partially hydrated coating of phosphorus anhydride. To obtain a uniform hygroscopic film, the mandrel is made from molybdenum glass and has bifilar spiral grooves on its surface for the electrodes. To increase the analytical response, the distance between neighboring electrode windings is maintained constant throughout the length of the mandrel. To increase the absorption of moisture by the hygroscopic film, a wire is wound on the mandrel in the direction opposite to the electrodes (see Fig. 1). The wire has an organic insulation and has a diameter equal to the space between the pipe and the mandrel. To signal excess moisture content in gases, the device has built into it a d-c triode amplifier and

Card 1/2

UDC: 533.275.08

L 10221-66

ACC NR: AP5028498

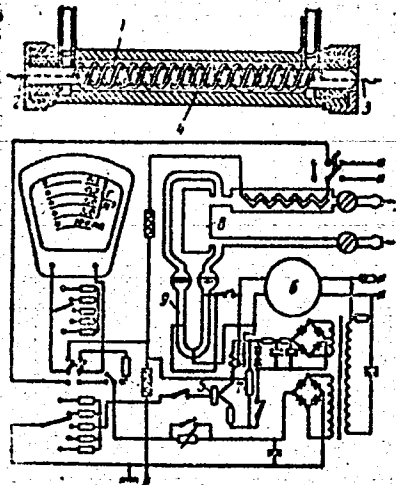


Fig. 1. 1 - Mandrel; 2 and 3 - electrodes; 4 - wire with organic insulation; 5 - d-c amplifier; 6 - sound generator; 7 - relay; 8 - flow regulator; 9 - manometer.

sound generator and a relay connected to the sound generator. To avoid errors of measurement (arising from fluctuations in the gas supply) exceeding the limiting values compensated for by the flow regulator, the entrance and exit of the flow regulator are connected to a differential mercury manometer equipped with contacts which close the circuit of the sound generator. Orig. art. has: 1 figure.

SUB CODE: 11/ SUBM DATE: 14Nov63

Card 2/2 07

ALEKSEYEV, R.I.; TOKARSKAYA, Ye.A.

Attachment for gas analysis for the FEK-type photolorimeter
(photometric determination in gaseous mixtures of water vapor,
sulfur dioxide, and acetylene). Zhur. anal. khim. 20 no.9:
983-989 '65. (MIRA 18:9)

ALEKSEYEV, R.K., assistant

Stability of the motion of a lowering load in an electric hoist
with a screw brake locked by the load weight. Izv.vys. ucheb.zav.;
mashinostr. no. 12:127-139 '63. (MIRA 17:9)

L. Leningradskiy politekhnicheskij institut.

ALEKSEYEV, R.N., inzh.; ALESHIN, A.I., inzh.; LYAKHOVITSKIY, I.D., kand.tekhn.
nauk; RZHEZNIKOV, Yu.V., inzh.

Increasing the efficiency of the control stage of the VK-100-2
turbine. Elek.sta. 29 no.6:26-30 Je '58. (MIRA 11:9)
(Steam turbines--Blades)

BUTOMA, B.Ye.; SOKOLOV, P.A.; BALAYEV, D.N.; SERGEYEV, N.M.; SHUMSKIY, K.A.;
TYAPKIN, M.Ya.; SMIRNOV, V.A.; PIROGOV, N.I.; FEDOROV, N.A.;
GOLYASHKIN, G.S.; KUZ'MIN, A.P.; AKULINICHEV, V.P.; brigadir; GORBENKO,
Ye.M.; BYSTREVSKIY, L.M., inzh.; STEPANOV, P.S., brigadir; Us, I.S.,
brigadir-sudosborshchik, deputat Verkhovnogo Soveta SSSR; USTINOV,
P.D., slesar'-sborshchik; FINOGENOVA, N.Ya., tokar'; LERNER, M.;
ALEKSEYEV, B.Ye.; SIVUKHIN, K., starshiy master; OSTAF'YEV, A.I.;
TROFIMOV, B.A., inzh.; KOVRYZHKIN, V.F., inzh.; MOISEYEV, A.A., prof.;
GOLUBEV, N.V.; MOGILEVICH, V.I.; ANDRYUTIN, V.I.; ANDRIYEVSKIY, M.I.;
MATSKEVICH, V.D., dots.

Shipbuilders prepare for the 21st Extraordinary Congress of the CPSU.
Sudostroenie 25 no.1:1-25 Ja '59. (MIRA 12:3)

1. Predsedatel' Gosudarstvennogo komiteta Soveta Ministrov SSSR po sudostroyeniyu, ministr SSSR (for Butoma).
 2. Nachal'nik upravleniya sudostroitel'noy promyshlennosti Lensovnarkhoza (for Sokolov).
 3. Direktor Baltiyskogo sudostroitel'nogo zavoda im. S.Ordzhonikidze (for Balayev).
 4. Nachal'niki tsekhov Baltiyskogo sudostroitel'nogo zavoda im. S. Ordzhonikidze (for Sergeyev, Shumskiy).
 5. Nachal'nik mekhanicheskogo tselkha Baltiyskogo sudostroitel'nogo zavoda im. S. Ordzhonikidze (for Tyapkin).
- (Continued on next card)

BUTOMA, B.Ye.---(continued) Card 2.

6. Brigada kommunisticheskogo truda Baltiyskogo sudostroitel'nogo zavoda im. S. Ordzhonikidze (for Smirnov). 7. Glavnyy inzhener Admiraltyeskogo sudostroitel'nogo zavoda, Leningrad (for Pirogov). 8. Glavnyy inzhener sudostroitel'nogo zavoda im. A.A. Zhdanova (for Fedorov). 9. Nachal'nik elektrodnoogo tsekha Sudostroitel'nogo zavoda im. A.A. Zhdanova (for Golyashkin). 10. Nachal'nik tsekha kommunisticheskogo truda sudostroitel'nogo zavoda im. A.A. Zhdanova (for Kuz'min). 11. Malyarnyy tsakh sudostroitel'nogo zavoda im. A.A. Zhdanova (for Akulinichev). 12. Glavnyy inzhener Nikolayevskogo sudostroitel'nogo zavoda im. I.I. Nosenko (for Gorbenko) ¹³, Nikolayevskiy sudostroitel'nyy zavod im. I.I. Nosenko (for Bystrevskiy, Us, Ustinov, Finogenova). 14. Slesarno-sborochnaya brigada Nikolayevskogo sudostroitel'nogo zavoda im. I.I. Nosenko (for Stepanov). 15. Zamestitel'nachal'nika konstruktorskogo byuro sudostroitel'nogo zavoda "Krasnoye Sormovo" (for Lerner). 16. Glavnyy konstruktor konstruktorskogo byuro sudostroitel'nogo zavoda "Krasnoye Sormovo" (for Alekseyev). 17. Sudostroitel'nyy zavod "Krasnoye Sormovo" (for Sivukhin). 18. Direktor sudostroitel'nogo zavod "Leninskaya kuznitsa" (for Ostaf'yev). 19. Sekretar' partkoma TSentral'nogo nauchno-issledovatel'skogo instituta (for Trofimov). (Continued on next card)

BUTOMA, B.Ye.--(continued) Card 3.

20. Predsedatel' Leningradskogo oblastnogo pravleniya Nauchno-tekhnicheskogo otдела sudostroitel'noy promyshlennosti (for Moiseyev).
 21. Glavnyye inzhenery Konstruktorskogo byuro (for Golubev, Andryutin).
 22. Glavnyy konstruktor Konstruktorskogo byuro (for Mogilevich).
 23. Nachal'nik Tsentral'nogo tekhniko-konstruktorskogo byuro (for Andriyevskiy).
 24. Zamestitel' direktora Leningradskogo korablestroitel'nogo instituta po uchebnoy chasti (for Matskevich).
- (Shipbuilding)

SOV/66-59-1-2/32

AUTHOR: Alekseyev, S., Deputy Minister of Trade of the RSFSR

TITLE: Construction of Cold Storage Houses and the Introduction of New Technique (Stroitel'stvo kholodil'nikov i vnedreniye novoy tekhniki)

PERIODICAL: Kholodil'naya tekhnika, 1959, Nr 1, pp 4-9 (USSR)

ABSTRACT: The capacity of cold storage distributing houses has increased by 67,700 tons within the past two years. All new refrigerating warehouses have been built in accordance with standard designs of the Giprokholod and are equipped with the latest ammonia circulation system, air conditioners, double stage vertical ammonia compressors and other modern appliances, maintaining a temperature of -18°C in the store rooms and -30°C in the freezers. The lower floors are intended for handling, sorting and dispatch. In 1957, the largest cold storage house in Europe, having a capacity of 36,000 tons, has been completed in Moscow. In accordance with the 1958-Plan 17 new cold storage houses have been built with a total capacity of 60,000 tons.

Card 1/4 In 1959, 28 more cold storage houses will be in operation

SOV/66-59-1-2/32

Construction of Cold Storage Houses and the Introduction of New Technique

with a total capacity of 78,000 tons. With the exception of the cold storage house in Vladimir, which will operate on cooling agent Freon-22, all storage houses will use ammonia. Refrigeration engineering will extend not only to the development of cold storage space, but finds useful application also in the production of ice cream and dry ice, in meat packing, in milk processing, in deep freezing of food, etc. Particular attention is being given to the gasification of cold storage establishments. By conversion from hard fuel to gas, sanitation is greatly improved and cost of labor reduced. The technical equipment of the cold storage houses has also been greatly improved by the introduction of resistance thermometers connected to electronic bridges or logometers (current ratio meters) which have been adopted in 22 establishments, selfrecording manometers, manovacuummeters and remote level indicators. During 1957-58, 202 control measuring apparatus have been installed. During the same period the freezers of periodical action have been replaced in all cold storage houses by continuous-action freezers, having a capacity of 165 kg of ice cream per hour. Produc-

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Construction of Cold Storage Houses and the Introduction of New Technique

tion of ice cream is being greatly extended in brick form on waffles or in waffle containers. In Leningrad operates an automatic packing machine turning out 5 tons of ice cream in waffle cups. A new type of ice cream is the so-called "eskimo" covered with a glazed chocolate layer. Particular attention has and will be paid to the mechanization of loading, unloading and material handling operations by means of lift trucks, electric trucks and staple piling machines. Lack of trays prevents full use being made of these appliances; the same applies to roller conveyors or tracks which are not used as much as they could be due to ignorance on the part of the personnel. In order to increase dry ice production the Moscow Plant imeni Mikoyan has been extended to twice its capacity and equipped with 13 carbon dioxide compressors and 3 presses having a productivity of 15 tons of dry ice per day. Logometers and electronic bridges are being installed for distant temperature control. Further development of the dry ice production should take place on the basis of utilization of carbon dioxide waste in alcohol plants

Card 3/4

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Construction of Cold Storage Houses and the Introduction of New Technique

and waste gas in chemical combines. In the cold storage plants fruit and berries are frozen either without sugar and packed in cardboard containers, or canned with sugar syrup in glass bottles hermetically sealed. There are 5 photographs.

Card 4/4

ALEKSEYEV, S.

Mechanizing the processing of dairy and fishery products. Sov.
torg. no.2:19-25 F '59. (MIRA 12:2)

1. Zamestitel' ministra torgovli RSFSR.
(Food industry--Equipment and supplies)

~~ALEXSEYEV, S.~~

More about raising quality of skins. Mias. ind. SSSR 29 no.5:
45-46 '58. (MIRA 11:10)

1. Nachal'nik Otdela proizvodstvenno-veterinarnogo kontrolya
Odesskogo myasokombinata.
(Hides and skins)

ALEKSEYEV, S., prof.; KRISHCHIK, V., inzh.

Soundproofing of built-in boiler rooms. Zhil.-kom.khoz. 10
no.9:19-20 '60. (MIRA 13:9)

1. Nachal'nik Moskovskoy stantsii po bor'be s shumami (for
Aleksyev).
(Hot-water heating) (Architectural acoustics)

ALEKSEYEV, S.

Credit security is an important index in the work of State Bank branches.
Den. i kred. 20 no.7:27-29 JI '62. (MIRA 15:7)

1. Nachal'nik planovo-ekonomicheskogo otdela Orlovskoy oblastnoy
kontory Gosbanka. (Credit)

ALEKSEYEV, S.

Frame of the surface building of the "Gigant-Glubokaya" Mine.
Prom. stroi. i inzh. soor. 4 no.3:20-23 My-Je '62. (MIRA 15:7)

1. Nachal'nik konstruktorskogo byuro vysotnykh zdaniy zavoda
imeni Babushkina.

(Mine buildings)

FAYNBERG, A.I.; REZNIK, A.I.; SOLOMIN, V.V.; LIBERMAN, Ya.A.; ALEKSEYEV, S.A.;
VASSERMAN, S.Z.; BORISOVSKIY, S.P., red.; ALFUF'YEVA, A.M., red.
izd-va; KONYASHINA, A.D., tekhn.red.

[Drawing up plans for housing and municipal services] Metodika
sostavleniya plana zhilishchno-kommunal'nogo khoziaistva. Pod
red. S.P.Borisovskogo. Moskva, Izd-vo M-va kommun. khoz. RSFSR,
1957. 408 p. (MIRA 11:3)
(Housing) (Municipal services)

ALEKSEYEV, S.A.; ZHMAKIN, D.F.; KEREKESH, V.V.; MALOV, A.N.;
MARTSINOVSKIY, P.L.; MOLOTOK, A.V.; NESMELOV, V.A.;
TEVEROVSKIY, P.A.; KHISIN, R.I.; DELITSIN, A.A., retsenzent;
SOKHNOVSKIY, M.A., retsenzent; STEFANOV, V.P., retsenzent;
STOROVZHEV, M.V., retsenzent; TALANOV, P.I., retsenzent;
FAL'KEVICH, A.S., retsenzent; CHERNUSHEVICH, V.A., retsenzent;
KHISIN, R.I., red.; GAL'TSOV, A.D., red.; VOL'SKIY, V.S., red.;
STRUZHESTRAKH, Ye.I., red.; SEMENOVA, M.M., red. izd-va; MODEL',
B.I., tekhn. red.

[Manual for the establishment of norms in the machinery industry
in 4 volumes] Spravochnik normirovshchika-mashinostroitelia v
4 tomakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-
ry. Vol.3. [Establishing norms for founding, stamping, welding,
painting, metal plating, and woodwork] Normirovanie liteinykh,
kuznechnykh, shtampovochnykh, svarochnykh, lakokrasochnykh ra-
bot, metallopokrytii i derevoobrabotki. 1962. 671 p.
(MIRA 15:4)

(Machinery industry--Production standards)

ZORINA, A.V., starshiy inzhener; ESTULINA, A.I., inzh.; BULATOVA,
A.M., inzh.; ALEKSEYEV, S.A., dots., red.; VLADIMIROVA,
L.A., tekhn. red.

[Time norms established in the general machinery industry for
die casting and precision casting operations] Obshcherashino-
stroitel'nye normativy vremeni na liteinye raboty pri lit'e
pod davlenie i po vyplavljaemym modeliam. Moskva, Mashgiz,
1962. 57 p. (MIRA 15:10)

1. Moscow. Tsentral'noye byuro promyshlennykh normativov po
trudu. 2. Nauchno-issledovatel'skiy institut mashinostroye-
niya i tekhnologii (for Zorina, Estulina, Bulatova).
(Die casting—Production standards)
(Precision casting—Production standards)

ALEKSEYEV, S.A.; BALABIN, V.V.; BARBASHIN, N.N.; GORSHKOV, A.A.;
ZHAROV, N.T.; MARIYENBAKH, L.M.; RUBTSOV, N.N., doktor tekhn.
nauk, prof.[deceased]; SERGEYEV, V.S.; SOSNENKO, M.N.; FROLOV,
V.V.; KONSTANTINOV, L.S., kand. tekhn. nauk, red.; CHERNYAK,
O.V., red. izd-va; UVAROVA, A.F., tekhn. red.; TIKHANOV, A.Ya.,
tekhn. red.

[Fondryman's handbook; general information on founding]Spravoch-
nik liteishchika; obshchie svedeniia po lit'iu. [By]S.A.Alekseyev
i dr. Pod obshchei red. N.N.Rubtsova. Moskva, Mashgiz, 1962.
524 p. (MIRA 16:1)

(Founding—Handbooks, manuals, etc.)

A L E K S E Y E V, S. A.

ALEXSEV, S. A.

Izhib tolstykh plit. Moskva, 1949. 116 p., diagrs. (Moscow, Voenno-vozdushnaia inzhenernaia akademiia im. N. E. Zhukovskogo. Trudy, no 312)

Bibliography: p. 115-116.

Title tr.: Bending of thick plates.

QA935 A 5

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

ALEKSEYEV, S. A.

"Tekhnicheskoye normirovaniye v mashinostroyeniy (Technical standardization in machine construction)", Mashgiz, Moscow, 1951

MIRA November 1952

THE NATIONAL ARCHIVES COLLECTS AND PRESERVES THE RECORDS OF THE FEDERAL GOVERNMENT OF THE UNITED STATES OF AMERICA

ALEKSEYEV, S.A.; BITYUK, G.A.

Results of cooperation. Vest. AN Kazakh.SSR 11 no.5:47-49 My '54.
(Metal industries) (MLRA 7:7)

SECRET

SUBJECT USSR/MATHEMATICS/Differential equations CARD 1/4 PG - 709
 AUTHOR ALEKSEJEV S.A.
 TITLE Postcritical work of flexible, elastic plates.
 PERIODICAL Priklad.Mat.Mech. 20, 673-679 (1956)
 reviewed 4/1957 (20, No. 6, 673-679)

Let the plate fill up a finite, simply connected domain Ω which is bounded by a piecewise smooth curve L . The stress of the plate along L is assumed to lie in the plate plane and to depend on a parameter . Putting

$$\phi(p, q) = \frac{\partial^2 p}{\partial x^2} \frac{\partial^2 q}{\partial y^2} + \frac{\partial^2 p}{\partial y^2} \frac{\partial^2 q}{\partial x^2} - 2 \frac{\partial^2 p}{\partial x \partial y} \frac{\partial^2 q}{\partial x \partial y},$$

then the Karman system of equations is

(1) $D \Delta \Delta w^* = h \phi(\varphi^*, w^*), \quad \Delta \Delta \varphi^* = -\frac{1}{2} E(w^*, w^*),$

where w^* and φ^* are deflection and tension function:

$$\sigma_x = \frac{\partial^2 \varphi^*}{\partial y^2}, \quad \sigma_y = \frac{\partial^2 \varphi^*}{\partial x^2}, \quad \tau_{xy} = -\frac{\partial^2 \varphi^*}{\partial x \partial y},$$

E - modulus of elasticity, h - thickness of the plate, $D = \frac{Eh^3}{12(1-\nu^2)}$. If it

is put furthermore

$$\frac{\partial^2}{\partial x^2} \frac{\partial^2}{\partial y^2} \dots \frac{\partial^2}{\partial x \partial y} \dots \frac{\partial^2}{\partial x^2} \dots \frac{\partial^2}{\partial x \partial y} \dots \frac{\partial^2}{\partial y^2} \dots D \dots \frac{\partial^2}{\partial x^2} \dots \frac{\partial^2}{\partial x \partial y} \dots \frac{\partial^2}{\partial y^2} \dots D$$

Sriklad.Mat.Mech. 20, 673-679 (1956)

CARD 3/4

PG - 709

where $\bar{\sigma}$ and $\bar{\tau}$ are certain given unique functions of the arc length. Considering the equation

$$(5) \quad \Delta \Delta \zeta = \lambda_0 \phi(\eta, \zeta),$$

where ζ is continuous in Ω together with its derivatives and satisfies the conditions

$$(6) \quad \zeta = 0, \quad c_1 \frac{\partial \zeta}{\partial n} + c_2 \psi(\zeta) = 0$$

on L while the given function η possesses continuous second derivatives in all inner points of Ω , and restricting oneself to η , for which the given equation has a discrete spectrum of different eigenvalues λ , then the conditions of orthogonality

$$(6a) \quad (\zeta_i \phi(\eta, \zeta_j)) = 0 \quad \text{for } i \neq j$$

are obtained by integrating the expression $\zeta_i \Delta \Delta \zeta_j - \zeta_j \Delta \Delta \zeta_i$ over Ω .

Now the solution of (2) is carried out by successive approximation

$$(7) \quad \Delta \Delta \varphi_{n+1} = -\phi(w_n, w_n), \quad \Delta \Delta w_{n+1} = \phi(\rho_{n+1}, w_n).$$

Considering the practical work and putting $w = 0$, then from the second equation (2) it follows: $\Delta \Delta \varphi_0 = 0$, where (4) is satisfied on L for $\lambda = 1$. Now the first equation (2) is considered: $\Delta \Delta w_0 = \lambda_0 \phi(\varphi_0, w_0)$. It is put $w_0 = \xi \zeta$, ζ - an

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CIA-RDP86-00513R000100920019-9"

APPROVED FOR RELEASE: 03/20/2001

Name: ALEKSEYEV, Semen Aleksandrovich

Dissertation: Flexible plates and shells in the
critical region

Degree: Doc Tech Sci

Affiliation: /not indicated/

Defense Date, Place: 6 Mar 57, Council of Red Banner Order
of Lenin Air Force Engineering Acad.
imeni Zhukovskiy

Certification Date: 16 Nov 57

Source: BMVO 24/57

ALEKSEYEV, S.A.

SOV/65-58-9-14/16

AUTHORS:

Aleksandrov, S. N; Shmulyakovskiy, Ya. E; Alekseyev, S. A.

TITLE:

The Spectral Method For Determining Vanadium and Nickel in Petroleum Products. (Spektral'nyy metod opredeleniya vanadiya i nikelya v nefteproduktakh)

PERIODICAL:

Khimiya i Tekhnologiya Topliv i Masel, 1958, Nr 9, pp 69 - 71 (USSR)

ABSTRACT:

This method consists in drying a slightly acid solution of the ash of petroleum products on electrodes; the surface of the latter is covered with a polystyrene coating to prevent penetration into the pores of the electrodes (Ref.1). The spectrum of the dry residue of the petroleum products are prepared by separating the mineral part of the petroleum product containing metals, and by sulphonating the ash; the mineral part can be separated almost completely. The limiting concentrations of vanadium and nickel in the sample are 1×10^{-4} to 5×10^{-5} . The preparation of the required standards and of the electrodes is described. The electrodes are coated with polystyrene and three drops of the sample solution placed on them (approximately

Card 1/2

ALEKSEYEV S.A.

PHASE I BOOK EXPLOITATION 50Y/2216

5 (4)

Soveshchaniye po elektrokhimii. 4th, Moscow, 1956.
Trudy... [Sbornik] (Transactions of the Fourth Conference on Elect-
rochemistry: Collection of Articles) Moscow, Izd-vo AN SSSR,
1959. 868 p. Errata slip inserted. 2,500 copies printed.
Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye Khimicheskikh
nauk.

Editorial Board: A.M. Frumkin (Resp. Ed.), Academician, G.A. Yasin,
Professor, S.I. Zhdanov (Resp. Secretary), B.M. Kabanov, Pro-
fessor, S.I. Zhdanov (Resp. Secretary), K. Isbanov, Professor,
Ye.M. Kolotyrkin, Doctor of Chemical Sciences, V.V. Losev, P.D.
Lukovtsev, Professor, Z.A. Solov'yeva, V.Y. Stander, Professor;
and G.M. Florianovich, Ed. of Publishing House: N.G. Yegorov;
Tech. Ed.: T.A. Prusakova.

PURPOSE: This book is intended for chemical and electrical engi-
neers, physicists, metallurgists and researchers interested in
various aspects of electrochemistry.
COVERAGE: The book contains 127 of the 138 reports presented at
the Fourth Conference on Electrochemistry sponsored by the Depart-
ment of Chemical Sciences and the Institute of Physical Chemistry,
Academy of Sciences, USSR. The collection pertains to different
aspects of electrochemical kinetics, double layer theories and cat-
alytic processes in metal electrodeposition and industrial divi-
sion. Abridged discussions are given at the end of each divi-
sion. The majority of reports not included here have been
published in periodical literature. No periodicals are mentioned.
References are given at the end of most articles. 50Y/2216

- Stander, V.Y., G.Z. Klyuzkov, G.M. Zameskiy, S.A. Alekseyev,
M.A. Shigel' and A.F. Solov'yev. High Current-Densities
During the Electrolytic Preparation of Zinc 461
- Lozhkarev, M.A., and Ye. I. Dubyago (Inepropetrovskiy Khimiko-
tehnologicheskii Institut imeni P.E. Dzerzhinskogo-Ineprop-
etrovskiy Institut of Chemical Technology named P.E. Dzerzhin-
skiy) Electrorefinement of Blumath From an Oxynchloride
Electrolyte 467
- Bodnavas, A.I., and Xu-Yu-Manulis (Institute of Chemistry
and Chemical Technology, Academy of Sciences, Lithuania
SSR). New Electrolyte for Bright Tinplating 477
- Morkhov, N.I., and K.M. Esharlamova. Adhesion of Nickel Plating
to Steel 2, Nickel, Chromium, Steel Ikh19697 and a Chrome-
Nickel Alloy 482
- Lapin, A.I. Contact Separation of Some Metals at the Surface
of Aluminium Alloys 466

Card 19/24

S/124/62/000/001/037/046
D237/D304

244200
AUTHOR:

Alekseyev, S. A.

TITLE:

Calculating a circular elastic membrane under a uniform transverse load

PERIODICAL:

Referativnyy zhurnal, Mekhanika, no. 1, 1962, 8, abstract 1V51 (Inzhenernyy sb., 1959, v. 25, 64-80)

TEXT: A stressed and deformed state of an elastic circular membrane under a uniform transverse load is investigated. Angles of rotation of the normal with respect to the elastic surface are assumed small (squares of angles of rotation $\ll 1$); bending is not restricted. In the membrane, stretched and compressed zones are recognized. In the stretched zone, both principal stresses are non-negative. It is assumed that the membrane cannot contain any negative principal stresses and becomes deformed with the appearance of compression zone, in which one of the principal

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S/262/62/000/002/004/017
1008/1208

AUTHOR: Alekseyev, S. A. and Kuz'minov, G. P.

TITLE: Investigation of heat-transfer in an air-cooled engine

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, no. 2, 1962, 51, abstract 42.2.269. "Tr. Vses zaochi. lesotekhn. in-ta", no. 6, 1960, 77-96

TEXT: The investigations were carried out on an air-cooled 25 hp AM-4 engine turning at 2200 r.p.m. and having a D/S = 82.5/101.5 mm. The experimental data and a method of calculation of the ribs are given. There are 10 figures and 10 references. 

[Abstracter's notes: Complete translation.]

Card 1/1

I 9377-66 EWT(d)/EWT(m)/EWP(w)/EWP(v)/SWP(k)/EWA(h)/ETC(m)

WW/EM

ACC NR: AP5026931

SOURCE CODE: UR/0373/65/000/005/0081/0084

AUTHOR: Alekseyev, S. A. (Moscow)

ORG: none

TITLE: Conditions of the existence of a biaxial stress state of nonrigid shells

SOURCE: AN SSSR. Izvestiya. Mekhanika, no. 5, 1965, 81-84

TOPIC TAGS: shell theory, shell structure, stress analysis, stress calculation

ABSTRACT: The biaxial stress condition is possible in a nonrigid shell if both of the principal stresses are nonnegative. The conditions for nonnegativity of the two principal stresses are studied using as an example a shell in the form of a triangular ellipsoid under a uniform internal pressure. The shell is given by a radius vector $M(\alpha, \beta)$ which is dependent on two curvilinear coordinates on the surface. The coordinate lines on the surface are selected such that in the region studied they do not touch one another. The time derivatives of M are

$$M_{\alpha}^{\cdot} = A^{\cdot}, \quad M_{\beta}^{\cdot} = B^{\cdot}, \quad M_{\alpha} M_{\beta} = AB \cos \chi$$

a four-sided area bounded by

$$\alpha = \text{const}, \quad \alpha + d\alpha = \text{const}, \quad \beta = \text{const}, \quad \beta + d\beta = \text{const}$$

is considered upon which $R^{(\beta)}$ and $R^{(\alpha)}$ are the forces on lines $\alpha = \text{const}$ and $\beta = \text{const}$ respectively. The equations of equilibrium are stated as

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ACC NR: AP5026931

$$\frac{\partial}{\partial \alpha} BR^{(\beta)} + \frac{\partial}{\partial \beta} AR^{(\alpha)} = P |M_\alpha \times M_\beta|$$

$$\frac{\partial}{\partial \alpha} BR^{(\beta)} \times M + \frac{\partial}{\partial \beta} AR^{(\alpha)} \times M = 0$$

and, since $R^{(\beta)}$ and $R^{(\alpha)}$ lie in a tangential plane, they may be expressed as

$$R^{(\beta)} = hp_{\alpha\alpha} \frac{M_\alpha}{A} + hp_{\beta\alpha} \frac{M_\beta}{B}, \quad R^{(\alpha)} = hp_{\alpha\beta} \frac{M_\alpha}{A} + hp_{\beta\beta} \frac{M_\beta}{B}$$

Two triangular elements are selected such that the hypotenuses of both the right triangles lie on the same line, and one leg of each triangle corresponds to a leg of the quadrangular area element. The equations of equilibrium are rewritten in the triangular framework. From these are derived expressions for the principal stresses and the angle defining the direction of the principal planes. The conditions of non-negativity are satisfied, thus defining the condition of the biaxial stressed state according to the criterion given. The equations are applied to the case of a triangular ellipsoid given by

$$M = i a \sin \alpha \sin \beta + j b \sin \alpha \cos \beta + k c \cos \alpha$$

Orig. art. has: 29 equations and 2 figures.

SUB CODE: 20/ SUBM DATE: 20May65/ ORIG REF: 003

Card 2/2

S/193/61/000/003/002/009
A004/A101

AUTHOR: Alekseyev, S. F.

TITLE: Utilization of the method of pressing molds under high specific pressure

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 3, 1961, 19-21

TEXT: The author enumerates and describes the advantages of casting in sand-molds manufactured by pressing under high specific pressure. He points out that this method, which does not require any considerable capital investment or reconstruction of equipment, makes it possible to extensively mechanize and automate the work in foundries, to attain a high labor productivity, cut the cost price of castings, and reduce the volume of mechanical working of castings by some 15%. This method of manufacturing molds under a high specific pressure is being extensively utilized at the Leningrad Kirov Plant, at the Gor'kovskiy avtomobil'nyy zavod (Gor'kiy Automobile Plant), the Podol'skiy mekhanicheskiy zavod im. Kalinina (Podol'sk Mechanical Plant imeni Kalinin), the "Bezhetsksel'mash" Plant and at the Kremenchugskiy zavod dorozhnykh mashin (Kremenchug Plant of Road-Building Machines). At the Leningrad Kirov Plant

Card 1/3

Utilization of the method of pressing molds under ... S/193/61/000/003/002/009
A004/A101

some 8,500 tons of cast-iron castings are fabricated in molds pressed under high specific pressure on two semi-automatic installations. At the Podol'sk Mechanical Plant imeni Kalinin an automatic molding and shaking-out line is being adjusted, developed by the Tsentral'noye proyektno-tekhnologicheskoye konstruktorskoye byuro (Central Technological Design and Planning Office) of the Moscow Oblast' Sovnarkhoz in 1959. The line will have a new kinematic circuit based on a four-position automatic of the merry-go-round type; the rated capacity is said to be 1.128 molds per h. The NIITavtoprom Institute is developing for the Gor'kiy Automobile Plant an automatic line for the casting of brake drums in molds fabricated by the high-pressure method. The NIITraktorsel'khoz mash Institute has developed a pneumatic-mechanical molding and pressing semi-automatic with a capacity of 240 molds per h. One of these semi-automatics will replace six "Adams" molding machines. The author then points out that the high-pressure molding method is employed under the name of "K" process at the Czechoslovakian "TOZ" Plant for the casting of cast-iron and steel gears up to 500 mm in diameter. At the "Stahlwerke Elsterstahl" in Silberkassen (GDR) this molding method is used for the casting of steel parts of the caterpillar link type. The author mentions a mold pressing method with the aid of an elastic diaphragm employed on the pressing machines of the US firm Takkon. At the Leningrad Kirov Plant it

Card 2/3

111 AND 110. ORDER: PROCESSED AND PROPERTIES INDEX 140 AND 414. CODES

ALEKSEYEV, S. G.
CA

Specific dynamic actions of proteins at high altitudes.
S. G. Alekseyev, G. B. Vladimirov, M. A. Kuntsevich, and A. F. Pulin. *J. Physiol. U.S.S.R.* 31, 340-55(1945).—
The principal object of the investigation was to det. whether there was a decrease in the specific dynamic action when the temp. factor was eliminated. The investigation with 4 individuals was carried out in a shelter on the southern slope of Mt. Elbrus at an altitude of 4200 m. The temp. in the shelter fluctuated from 13° to 17°. The source of the administered protein was broiled lean beef prepd. with garlic and salt. Tests were made on the exhaled air and on the urine at different intervals. It was found that the increase in basal metabolism at the altitude of these tests was not substantial. The specific dynamic action of proteins was found to be normal when the individuals were kept comfortably warm. The decrease in the specific dynamic action of proteins at high altitudes previously reported was evidently due to temp. conditions. J. Davidson

11 E

ASB-51A METALLOGICAL LITERATURE CLASSIFICATION

12345678910111213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364656667686970717273747576777879808182838485868788899091929394959697989900

ALEKSEYEV, S.I.

Using circular examiners designed by the All-Union Scientific
Research Institute of Metrology for checking inclinometers.
Trudy VNIIM no.3:70-89 '48. (MIRA 11:11)
(Inclinometers--Testing)

Aleks. sye v, S.I.,

24(0): 5(4); 6(2) PHASE I BOOK EXPLOITATION 80V/7215

Vsesoyuzny nauchno-issledovatel'skiy institut metrologii imeni D.I. Mendeleeva

Referaty nauchno-issledovatel'skiy sbornik No.2 (Scientific Research Abstracts; Collection of Articles, Nr 2) Moscow, Standartgiz, 1958. 139 p. 1,000 copies printed.

Additional Sponsoring Agency: USSR. Komitet standartov, mer i izmeritel'nykh priborov.

Ed.: S. V. Reshetina; Tech. Ed.: M. A. Kondrat'yeva.

PURPOSE: These reports are intended for scientists, researchers, and engineers engaged in developing standards, measures, and gauges for the various industries.

COVERAGE: The volume contains 128 reports on standards of measurement and control. The reports were prepared by scientists of institutes of the Komitet standartov, mer i izmeritel'nykh priborov pri Sovete Ministrov SSSR (Commission on Standards, Measures, and Measuring Instruments under the USSR Council of Ministers). The participating institutes are: VNIIM - Vsesoyuzny nauchno-issledovatel'skiy metrologii imeni D.I. Mendeleeva (All-Union Scientific Research Institute of Metrology imeni D.I. Mendeleeva) in Leningrad; Sverdlovskiy nauchno-issledovatel'skiy tsentr VNIIM - Vsesoyuzny nauchno-issledovatel'skiy tsentr (All-Union Scientific Research Institute of Standards, Measures, and Measuring Instruments) created from MOIMP - Moskovskiy gosudarstvennyy institut mer i izmeritel'nykh priborov (Moscow State Institute of Measures and Measuring Instruments) October 1955; VNIIPRI - Vsesoyuzny nauchno-issledovatel'skiy institut fiziko-tekhnicheskikh i radiotekhnicheskikh izmereniy (All-Union Scientific Research Institute of Physical, Technical and Radio-engineering Measurements) in Moscow; KHOIMP - Khar'kovskiy gosudarstvennyy institut mer i izmeritel'nykh priborov (Kharkov State Institute of Measures and Measuring Instruments); and MOIMP - Moskovskiy gosudarstvennyy institut mer i izmeritel'nykh priborov (Moscow State Institute of Measures and Measuring Instruments).

(Mendeleevskiy gosudarstvennyy institut mer i izmeritel'nykh priborov). No personalities are mentioned. There are no references.

Rupatam, O.V. (VNIIPRI). Studying and Improving Astronomical Pendulum Clocks Made by the "Etalon" Plant 33

Stepanukov, M.D., P.M. Fedchenko, and V.N. Dudarchik (KHOIMP). Studying Astronomical Pendulum Clocks with Isochronous Suspension 35

Tovchigrechko, S.S., A.D. Zagatina, I. A. Solov'yeva, and S.I. Teropin (VNIIM). Studying Temperature Coefficients of the Elongation of Invar Rods Produced by the "Etalon" Plant 36

Aleksandr, S.I. (VNIIM) Studying the Pivots of the VNIIM Transit Instrument 36

Tovchigrechko, S.S. (VNIIM). Studying a Model of the Vernier Clock 38

Stepanov, V.S. (VNIIM) Cylindrical Chronograph for Recording the Turning of Clocks 39

Card 8/27

ALEKSEYEV, S.I.

Treatment of cavernous angiomas of the nasal cavity. Zhur.ush.
nos.i gorl.bol. 22 no.4:86-87 J1-Ag '62. (MIRA 2012)

1. Iz Gor'kovskoy oblastnoy klinicheskoy bol'nitsy imeni N.A.
Samashko.

(ANGIOMA)

(NOSE--TUMORS)

ALEKSEYEV, S I.

Operation of rotary kiln with heat exchanger. A. P. DALECHIN,
T. I. MAJOROVA, AND S. I. ALEKSEEV. *Tsement*, 20 [3] 9-11
(1954).—A four-cell shell-type heat exchanger installed in the
narrow section (diameter 2.5 m.) of a rotary kiln for a distance of
only 2.5 m. caused a drop of 100° in the temperature of the out-
going gases and resulted in a fuel saving of 3 to 4% and an increase
in output of 2%
B Z K.

MT

(2)

ALEKSEYEV, S. I.

AUTHOR: Alekseyev, S.I. Engineer 118-58-5-9/18

TITLE: A Complex Automation of Basic Operations on the Mine's Surface
(Kompleksnaya avtomatizatsiya osnovnykh rabot na poverkhnosti shakht)

PERIODICAL: Mekhanizatsiya Trudoyemkikh i Tyazhelykh Rabot, 1958, Nr 5,
pp 29-30 (USSR)

ABSTRACT: A problem in raising production is the complex automation of processes on the mine's surface, shaft bottoms and underground transport. Individual operations should not be automated, but all the operations of a process. Special attention should be paid to the mechanization of auxiliary works -- the so-called "small mechanization". In 1956-57, automation was introduced in the skip-lifting machines, ventilating equipment and stationary conveyer lines in the sloping mines. This reduced labor by 0.9%. Automation is being developed for rock and coal loading into wagons, and in the winches of the surface rope haulage. This will additionally reduce labor-consumption by 2.5 - 3%. Automation devices now under industrial testing will result in a further reduction of 4-5%. Projects have been elaborated for a complex automation and

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