

SOKOLOVSKIY, S.M.

The M1604 and M127 megohmmeters for measuring the resistance of the insulation of electric circuits. Biul.tekh.-ekon.inform.Gos.nauch.--issl.inst.nauch. i tekhn.inform. no.8:53-54 '62. (MIRA 15:7)
(Electric meters)

ARENSEN, Rafail Il'ich. Prinimal uchastiye SOKOLOVSKIY, S.M.;
MOLOSTOV, V.S., inzh., retsenzent; MURAV'YEV, V.M., inzh.,
retsenzent; SAVINA, Z.A., ved. red.; POLOSINA, A.S.,
tekhn. red.

[Oil-field machinery and mechanisms] Neftepromyslovye ma-
shiny i mekhanizmy. Moskva, Gostoptekhizdat, 1963. 436 p.
(MIRA 16:11)

1. Prepodavatel' Groznenskogo neftyanogo tekhnikuma (for
Molostov).
(Petroleum production--Equipment and supplies)

SOKOLOVSKIY, S.P.

Zoning soils of the Nogay Steppe for soil improvement purposes.
Pochvovedenie 11:68-72 N '56. (MLRA 10:2)

1. Yuzhnyy gosudarstvennyy Institut po proyektirovaniyu
vodnogo khozyaystva, Pyatigorsk.
(Nogay Steppe--Soils)

SOKOLOVSKIY, S. P., Cand Agr Sci--(diss) "Soils and soil-improve-
~~ment~~ ment regioning of the arid steppes of Central and Eastern
Præcaucas^{WA}." Mos, 1958. 18 pp. (Acad Sci USSR, Soil Inst im
Dokuchayev), 150 copies. (KL. 9-58, 121)

- 117 -

SOKOLOVSKIY, S.P.

Characteristics of present salinization of soils in the delta
of the Terek River. Pochvovedenie no.5:72-81 My '60.
(MIRA 14:4)

1. Yuzhgiprovodkhoz.
(Terek Valley--Alkali lands)

SOKOLOVSKIY, S.P.

Hydrophysical properties of Chestnut and Brown soils in certain areas of the Mongolian People's Republic. Pochvovedenie no.10:59-68 '60. (MIRA 13:10)

1. Gosudarstvennyy institut po proyektirovaniyu vodokhozyaystvennogo i meliorativnogo khozyaystva.
(Mongolia--Soils)

SOKOLOVSKIY, S.P.

Some characteristics of water-salt conditions in chesnut soils
of the Terek-Kuma Canal region. Trudy Lab.gidrogeol.probl.
48:114-130 '62. (MIRA 15:8)
(Caucasus, Northern--Water, Underground--Composition)
(Caucasus, Northern--Soils--Salt content)

TARASOV, S.M., inzhener; SOKOLOVSKIY, S.V., inzhener.

Efficient blade shapes - a method of increasing scraper efficiency. Mekh.
stroi. 10 no.9:3-6 S '53. (MLA 6:8)
(Scrapers)

SOKOLOVSKIY, S.V., kandidat tekhnicheskikh nauk.

Depth of the current on the curved ledge of a spillway dam. Gidr.stroi.
22 no.7:43-44 J1 '53. (MLA 6:7)
(Spillways)

KIZRYAKOV, N.I., inzhener; SOKOLOVSKIY, S.V., inzhener; TARASOV, S.M.,
inzhener.

Widening the dozer blade as a means of increasing the D-271 bulldozer's
productivity. Mekh.stroi.12 no.3:28-30 Mr '55. (MLRA 8:4)
(Bulldozers)

SOKOLOVSKIY, S.V.

Determining the stream thickness at the end of the overflow surface and on the curvilinear ledge of the spillway dam of a vacuumless profile. Trudy OGMI no.12:263-271 '58.

(MIRA 12:7)

(Spillways)

SOKOLOVSKIY, S.V.

Approximate calculation of arch dams with perimetric seams.
Nauch.dokl.vys.shkoly; stroi. no.1:223-232 '59.
(MIRA 12:10)

1. Rekomendovana kafedroy gidrotekhnicheskikh sooruzheniy Odesskogo
inzhenerno-stroitel'nogo instituta.
(Dams)

FEDOROV, D.I., kand.tekhn.nauk; NEDOREZOV, I.A., kand.tekhn.nauk;
PLESHKOV, D.I., kand.tekhn.nauk; TARASOV, S.M., inzh.;
SOKOLOVSKIY, S.V., inzh.

Which scraper is better. Stroi. i dor. mash. 6 no.6:13-17 Je
'61. (MIRA 14:7)

(Scrapers)

... SOLOLOVSKIY, T.

Research, Industrial

Strengthen and develop cooperation of workers in science and industry, V pom. profaktivu, 13, No. 7, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952, Unclassified.

SOKOLOVSKIY, T.M.
GUZHVENKO, G.P.; SOKOLOVSKIY, T.M.

Increasing the zone of operations for each winder. Tekst. prom. 17
no.8:9-10 Ag '57. (MLRA 10:9)

1. Nachal'nik oddeleniya trudovogo kontrolya Kiyevskoy khlopko-
pryadil'noy fabriki (for Guzhvenko). 2. Nachal'nik krutil'no-motal'-
nogo tsekha (for Sokolovskiy).
(Cotton spinning)

SKIPETROV, P.A.; SOKOLOVSKIY, T.Ya.; PERENKOV, A.P.; ROMANOV, B.V.;
FEDOROV, V.P.; MARINKO, I.L.; dotsent; AGANHEGYAN, A.G.;
YUZIRA, V.Yu., red.; YERMAKOV, M.S., tekhn.red.

[Increasing labor productivity is the main factor in expanding
agricultural production under the seven-year plan] Povyshenie
proizvoditel'nosti truda - glavnoe uslovie rosta sel'skokhoziaist-
vennogo proizvodstva v semiletke. Moskva, Izd-vo Mosk.univ., 1960.
134 p. (MIRA 14:1)

1. Moscow. Universitet.
(Agriculture--Labor productivity)

1
SOKOLOVSKIY, Timofey Yakovlevich; FEDOROV, V.P., otv.red.; KHRIMOVA,
Ye.A., red.; YERMAKOV, M.S., tekhn.red.

[Land rent and the development of capitalism in agriculture;
lecture on the course in political economy for correspondence-
school students] Zemel'naya renta i razvitie kapitalizma
v sel'skom khoziaistve; lektsiia po kursu politicheskoi ekonomii
dlia studentov-zaochnikov. Otv.red.V.P.Fedorov. Moskva, Izd-vo
Mosk.univ., 1961. 43 p. (MIRA 14:3)

(Rent (Economic theory))
(Agriculture--Economic aspects)

L 00782-67 JRT/TCR/JT
ACC NR: AP6022451 (AN) SOURCE CODE: UR/0395/66/000/007/0059/0066

AUTHOR: Sokolovskiy, V., (Marshal of the Soviet Union); Cherednichenko, M.,
(Major General)

ORG: none

TITLE: Modern military strategy

SOURCE: Kommunist vooruzhennykh sil, no. 7, 1966, 59-66

TOPIC TAGS: nuclear warfare, military strategy

ABSTRACT: A review of modern concepts of strategy by various American, British, and French authors is presented, which is claimed to justify the preparation of the USSR for defense against sudden attack. The authors state that in the era of thermonuclear weapons, military strategy has become a complex social phenomenon. It includes the theory and practice of warfare and military leadership of the state with regard to the coordinated utilization of the armed forces for the purpose of achieving the aims of a given war. Strategy which ignores the creative activity of the millions in the army and navy is doomed to failure. Military

Card 1/3

APPROVED FOR RELEASE

strategy is related to the social and political structure of the given country. The political leadership of the country determines the military, political, and strategic aims, selects the means and forms of warfare, ensures the fulfilling of the political aims of a war by military and economic means, and mobilizes manpower and material resources. The organization of armed forces and their structure, combat equipment, and weaponry, and the principles upon which the use of armed forces, as a whole, and the specific branches, individually should be based lie in strategic planning. Moreover strategy determines the composition of the armed forces in peace and war, establishes reserves of weapons and combat equipment, including missiles and nuclear weapons, controls the deployment of strategic groups and in wartime provides the armed forces with everything they require. The danger of nuclear attack imposes upon the Soviet Union the necessity of being in a state of constant readiness, the main strategic task being the development of methods of missile and nuclear warfare. These and other new weapons have created the possibility of an immediate attack capable of inflicting enormous devastation in just hours on an enemy's territory. The initial period of missile and nuclear warfare is the time between the start of the war and the achievement of basic military and political aims. It will consist in inflicting a retaliatory nuclear blow

Card 2/3

ACC NR: AP00224-1

which would disorganize the aggressor and destroy his economic and military strength. The article goes on to underline the necessity of equipping the armed forces with up-to-date electronic devices. The author discusses the need to involve a wider circle of military specialists with appropriate training in planning the military strategy of the country. [DW]

SUB CODE: 15/ SUBM DATE: none/

Card 3/3 *HH*

SOKOLOVSKIY, V.A., dotsent.

Biological cycle of the mite *Demodex canis* (Leydig). Sbor.trud.
Khar'.vet.inst. 21:328-346 '52. (MLBA 9:12)
(Mites)

SOKOLOVSKIY, V.A., dotsent.

~~Demodecid mange~~ in dogs and main methods for its treatment. Sbor.
trud. Khar'. vet. inst. 22:310-315 '54. (MLRA 9:12)

1. Kafedra klinicheskoy diagnostiki Khar'kovskogo veterinarnogo
instituta.
(Scabies) (Dogs--Diseases)

ZHEREBIN, Boris Nikolayevich; MINKIN, Valentin Mikhaylovich; MATUSEVICH, Leonid Yakovlevich; GUR'YANOV, Vasilii Grigor'yevich; MARKHASIN, Yuriy Abramovich; SHTYREV, Dmitriy Alekseyevich; BALLA, G.F., red.; SOKOLOVSKIY, V.A., red.; DOKUKINA, Ye.V., red. izd-va; DOBUZHINSKAYA, L.V., tekhn. red.

[Expansion of blast furnace production at the Kuznets Metallurgical Combine] Razvitie domennogo proizvodstva na Kuznetskom metallurgicheskom kombinat. Pod obshchei red. B.N.Zherebina. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 361 p. (MIRA 14:6)
(Stalinsk—Blast furnaces)

L 10856-66 EWT(m)/EWP(w)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b)/EWA(c) IJP(c) JD/HM
 ACC NR: AP5028715 SOURCE CODE: UR/0363/65/001/011/1878/1882
 44, 55 44, 55 44, 55
 AUTHOR: Tresvyatskiy, S. G.; Yaremenko, Z. A.; Lopato, L. M.; Sokolovskiy, V. A.;
Karpenko, V. Ya.
 44, 55
 ORG: Institute of Materials Science Problems, Academy of Sciences SSSR (Institut
problem materialovedeniya Akademii nauk SSSR) 44, 55
 TITLE: Some physicochemical properties of synthetic periclase single crystals 16
 SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 11, 1965,
 1878-1882
 TOPIC TAGS: magnesium oxide, single crystal, optic crystal 4
 ABSTRACT: The microhardness, microbirttleness¹, chemical stability, transmission spec-
 trum, and working of synthetic magnesium oxide (periclase) single crystals were stu-
 died. The crystals are characterized by microhardness isotropy which amounts to
 926-946 kg/mm. They are more stable to attack by acids and molten alkali metals than
 are polycrystals or sintered MgO. Single-crystals plates can be diffusion-welded¹ at
 1800-2000°C with a holding time of 30 to 60 min, and the welding seam obtained is op-
 tically transparent. Heat shock causes splitting of the single crystals along the
 cleavage plane. MgO single crystals are suitable materials for preparing optical win-
 dows, lenses, and prisms for the 0.3-7.0 μ spectral range not only at low but pro-
 UDC: 546.46:548.55
 Card 1/2
 2

L 10856-66

ACC NR: AP5028715

bably also at high temperatures as well. This must be verified by further studies. Objects made of MgO can be polished by combining mechanical and chemical methods of treatment. Orig. art. has: 5 figures, 1 table.

SUB CODE: 11,07/
20

SUBM DATE: 24Apr65/

ORIG REF: 002/

OTH REF: 000

HW
Card 2/2

TRESVYATSKIY, S.G.; YAREMENKO, Z.A.; LOPATO, L.M.; SOKOLOVSKIY, V.A.;
KARPENKO, V.Ya.

Some physicochemical properties of synthetic periclase single
crystals. Izv. AN SSSR. Neorg. mat. 1 no.11:1878-1882
N 165. (MIRA 18:12)

L. Institut problem materialovedeniya AN UkrSSR. Submitted
April 24, 1965.

SOKOLOVSKIY, V.D., Marshal Sovetskogo Soyuza; BELAYEV, A.I., polkovnik;
GASTILOVICH, A.I., doktor voyennykh nauk, prof. general-polkovnik;
DENISENKO, V.K., polkovnik; ZAV'YALOV, I.G., general-mayor;
KOLECHITSKIY, V.V., general-mayor; LARICHOV, V.V., kand. voyennykh
nauk, polkovnik; LYRKOV, G.M., polkovnik; PAROT'KIN, I.V., kand.
voyennykh nauk, polkovnik; PROKHOROV, A.A., general-mayor; POPOV, A.S.,
polkovnik; SAL'NIKOV, K.I., polkovnik; SHIMANSKIY, A.N., polkovnik;
CHEREDNICHENKO, M.I., general-mayor; SHCHEGOLEV, A.I., polkovnik;
MOROZOV, B.N., polkovnik, red.; KONOVALOVA, Ye.K., tekhn. red.

[Military strategy] Voennaia strategiya. Moskva, Voenizdat, 1962.
457 p. (MIRA 15:7)

(Strategy)

SEKOLOVSKIY, V.D., Marshal Sovetskogo Soyuza; BELIAYEV, A.I., polkovnik;
GASTILOVICH, A.I., doktor voyennykh nauk, prof. general-
polkovnik; DENISENKO, V.K., polkovnik; ZAV'YALOV, I.G.,
general-mayor; KOLECHITSKIY, V.V., general-mayor; LARIONOV,
V.V., kand. voyennykh nauk polkovnik; NYRKOV, G.M., polkov-
nik; PAROT'KIN, I.V., kand. voyennykh nauk polkovnik;
PROKHOROV, A.A., general-mayor; POPOV, A.S., polkovnik;
SAL'NIKOV, K.I., polkovnik; SHIMANSKIY, A.N., polkovnik;
CHEREDNICHENKO, M.I., general-mayor; SHCHEGOLEV, A.I., pol-
kovnik; MOROZOV, B.N., polkovnik, red.; KONOVALOVA, Ye.K.,
tekh. red.

[Military strategy] Voennaya strategiya; Izd.2., ispr. i dop.
Moskva, Voenizdat, 1963. 503 p. (MIRA 16:10)
(Strategy)

ACCESSION NR: AP4016519

S/0195/64/005/001/0120/0127

AUTHOR: Gorgoraki, V. I.; Boreskov, G. K.; Kasatkina, L.A.;
Sokolovskiy, V. D.

TITLE: Homomolecular exchange of oxygen on zinc oxide at low temperatures

SOURCE: Kinetika i kataliz, v. 5, no. 1, 1964, 120-127

TOPIC TAGS: zinc oxide, zinc oxide catalyst, homomolecular exchange, catalytic action, oxygen 16, oxygen 18

ABSTRACT: This study was prompted to determine the causes of catalytic action of ZnO. To comprehend the causes, one should understand the nature and character of bonds formed by the dissociative chemisorption of oxygen on the surface of oxides. The exchange reaction at room temperature not only affects ZnO (an n-type semiconductor), but also NiO (a p-type semiconductor). The reaction was investigated by means of homomolecular exchange of oxygen isotopes

Card 1/2

ACCESSION NR: AP4016519

$O_2^{16} + O_2^{18} = 2O^{16}O^{18}$ on ZnO calcined at 850C, and then rapidly cooled to 25, -63 and -194C. At the two latter temperatures the exchange rate is close to that at 425C, and the product has a stable activity. The apparent activation energy at these two temperatures is 0.18 kcal/mol. The exchange rate in the initial moment at 25C is many times greater than in the 425-500C range. In oxygen atmosphere there is a rapid deactivation (5-6 hrs) of ZnO, but deactivated ZnO can be reactivated with zinc vapor. The catalytic activity of ZnO is caused by zinc excess. This can be the intermolecular zinc of the surface oxide layer, i.e., Zn dissolved in ZnO or zinc formed on the surface oxide layer and adsorbed by same. Orig. art. has: 2 figures and 2 tables.

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskij institut imeni D. I. Mendeleeva (Moscow Chemical Engineering Institute)

SUBMITTED: 24Apr 63

DATE ACQ: 18Mar64

ENCL: 00

SUB CODE: CH

NO REF SOV: 002

OTHER: 005

Card 2/2

SHURINOK, A.R., dotsent; SOKOLOVSKIY, V.D. (Kiyev)

Case of repeated surgery in severe thyrotoxic goiter. Probl.
endokr. i gorm. 1 no.5:113-114 S-O '55. (MLRA 8:10)

1. Iz kafedry khirurgii detskogo vozrasta (i.o.zav.--dotsent
A.R.Shurinok) Kiyevskogo ordena Trudovogo Krasnogo Znameni
meditsinskogo instituta imeni akad. A.A.Bogomol'tsa (dir.
dotsent I.P.Alekseyenko) i khirurgicheskogo otdeleniya kli-
nicheskoy bol'nitsy imeni M.I.Kalinina (glavnyy vrach V.A.
Udintseva)

(HYPERTHYROIDISM, surgery,
repeated)

SOKOLOVSKIY, V.D. (Kiyev)

A case of malignant thyrotoxic adenoma with metastases to bones.
Probl. endok. i gorm. 2 no.3:113-115 My-Je '56. (MLRA 9:10)

1. Iz kafedry khirurgii detskogo vozrasta (i.o. zav. dotsent A.R. Shurinok) Kiyevskogo Ordena Trudovogo Krasnogo Znameni meditsinskogo instituta (dir. Ye.F.Samray) imeni akademika A.A.Bogomol'tsa. i khirurgicheskogo otdeleniya bol'nitsy imeni M.I.Kalinina (glavnyy vrach V.A.Udintseva)

(HYPERTHYROIDISM, compl.

adenoma of thyroid gland with metastases to cranium & humerus)

(THYROID GLAND, neoplasms

adenoma, with metastases to cranium & humerus in hyperthyroidism)

(CRANIUM, neoplasms

adenoma, metastatic form thyroid gland in hyperthyroidism)

(HUMERUS, neoplasms

same)

(ADENOMA

thyroid gland in hyperthyroidism with metastases to cranium & humerus)

SOKOLOVSKIY, V.D. (Kiyev)

Indications for blood transfusion in surgery for severe forms of
thyrotoxicosis [with summary in English]. Probl.endok. i gorm.
3 no.5:105-109 S-O '57. (MIRA 11:1)

1. Iz kafedry khirurgii detskogo vozrasta (i.o.zav. - prof. A.R.
Shchurinok) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsin-
skogo instituta imeni akad. A.A.Bogomol'tsa (dir. Ye.M.Shamray)
i khirurgicheskogo otdeleniya klinicheskoy bol'nitsy imeni M.I.
Kalinina (glavnyy vrach V.A.Udintseva)

(HYPERTHYROIDISM, surgery,

blood transfusion in (Rus))

(BLOOD TRANSFUSION,

in hyperthyroidism surg. (Rus))

SOKOLOVSKIY, V.D. (Kiyev)

Unusual case of retrosternal vascular goiter. Probl. endokr. i gorm.
4 no.5:116-117 S-0 '58. (MIRA 11:12)

1. Iz kafedry khirurgii detskogo vozrasta (zav. - prof. A.R. Shurinok)
Kiyevskogo Ordena Trudovogo Krasnogo Znameni meditsinskogo instituta
imeni akademika A.A. Bogomol'tsa (dir. - dots. I.P. Alekseyenko) i khir-
urgicheskogo otdeleniya Klinicheskoy bol'nitsy imeni M.I. Kalinina (glav-
nyy vrach V.A. Udintseva).

(GOITER, case reports,

retrosternal vasc., unusual case (Rus))

SOKOLOVSKIY, V.D. (Kiyov)

Gastric hemorrhage in diabetic coma. Probl. endokr. i gorm. 4 no.5:
123-125 S-O '58. (MIRA 11:12)

1. Iz klinicheskoy bol'nitsy imeni M.I. Kalinina (glavnyy vrach V.A. Udintseva).

(DIABETES MELLITUS, compl.

coma with stomach hemorrh. (Rus))

(STOMACH, hemorrh.

in diabetic coma (Rus))

SOKOLOVSKIY, V.D.

Associated diseases in various forms of goiter in connection
with surgical treatment. Khirurgiia 34 no.10:70-75 O '58

(MIRA 11:11)

1. Iz kafedry khirurgii detskogo vozrasta (zav. - prof. A.R. Shurinok)
Kiyevskogo ordena Trudovogo Krasnogo znameni meditsinskogo instituta
imeni akad. A.A. Bogomol'tsa (dir. Ye.M. Shamray) i khirurgicheskogo
otdeleniya bol'nitsy imeni M.I. Kalinina (glavnyy vrach V.A. Udintseva).
(GOITER, compl.

concomitant dis. in various forms of goiter, surg. (Rus))

SHURINOK, A.R., doktor med.nauk; SOKOLOVSKIY, V.D. (Kiyev)

Surgical therapy of various forms of goiter; based on data collected by the author. Probl.endok. i gorm. 5 no.4:57-64 J1-Ag '59.

(MIRA 13:2)

1. Iz kafedry khirurgii detskogo vozrasta (zaveduyushchiy - doktor med.nauk A.R. Shurinok) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo instituta imeni akad. A.A. Bogomol'tsa (direktor - dotsent I.P. Alekseyenko) i khirurgicheskikh otdeleniy klinicheskoy bol'nitsy imeni M.I. Kalinina (glavnyy vrach L.A. Udintseva).
(GOITER surg.)

SOKOLOVSKIY, V.D.

Characteristics of surgical diseases in diabetic children and their treatment. Khirurgiya 35 no.3:130-133 Mr '59.

(MIRA 12:8)

1. Iz kafedry khirurgii detskogo vozrasta (zav. - prof. A.R. Shurinok) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo instituta imeni akad. A.A.Bogomol'tsa i khirurgicheskogo otdeleniya klinicheskoy bol'nitsy imeni M.I.Kalinina (glavnyy vrach V.A.Udintseva).

(DIABETES MELLITUS, in inf. & child

surg. dis. in diabetic child., management
(Rus))

SOKOLOVSKIY, V.D.

Errors in surgical interventions on diabetics and measures for
their prevention. Vest.khir. no.5:115-121 '61. (MIRA 15:1)

1. Iz khirurgicheskogo otdeleniya Kiyevskoy klinicheskoy bol'nitsy
im. M.I. Kalinina (gl. vrach - V.A. Udintseva).
(DIABETES) (SURGERY, OPERATIVE)

SOKOLOVSKIY, V. D. (Kiev)

Cardiovascular system in surgical diseases in patients with diabetes mellitus. Probl. endok. i gorm. no. 6:69-78 '61.

(MIRA 14:12)

1. Iz khirurgicheskogo otdeleniya 1-y klinicheskoy bol'nitsy imeni M. I. Kalinina (glavnyy vrach V. A. Udintseva) Oktyabr'skogo rayona.

(CARDIOVASCULAR SYSTEM--DISEASES) (DIABETES)

SOKOLOVSKIY, V.D.-(Kiyev, 55, Fabrichnaya ul., d.1-b, kv.2)

Characteristics of surgical infections in diabetics. Vest.
khir. 86 no.3:95-101 Mr '61. (MIRA 14:3)

1. Iz khirurgicheskogo otdeleniya Kiyevskoy bol'nitsy im.
M.I. Kalinina (gl. vrach - V.A. Udintseva).
(DIABETES)

SOKOLOVSKIY, V.D.

Characteristics of the pre-and postoperative periods in the
surgical disease of patients with diabetes. Khirurgiia
no.3:108-119 '63. (MIRA 16:5)

1. Iz khirurgicheskogo otdeleniya Klinicheskoy bol'nitsy imeni
M.I.Kalinina (glavnyy vrach V.A.Udintseva), Kiyev.
(DIABETES) (OPERATIONS, SURGICAL)

SOLOVYOV, V.S. (Miyet, Akbichangul... u. 1-6, kv. 2)

Characteristics of the course of acute surgical diseases abdominal organs in diabetes. Vest. Khir. (MIRA 17:5) (MIRA 17:5)

1. Iz khirurgicheskogo otdeleniya Miyetnskoj klinicheskoy bol'nitsy imeni Kalinina (glavnyy vrach - V.A. Udintseva).

SOKOLOVSKIY, V.D. (Kiyov, Fabrichnaya ul., d. 1-b, kv.2.)

Role of blood transfusion and blood substitutes in the compound treatment of diabetic patients. Vest. khir. 70 no.6:8-14
Je'63 (MIRA 16:12)

1. Iz khirurgicheskogo otdeleniya Kiyevskoy klinicheskoy bol'nitsy imeni M.I.Kalinina (glavnyy vrach - V.A.Udintseva).

SOKOLOVSKIY, V.D. (Kiyev, Fabrichnaya ul., 1-b, kv. 2)

Diagnosis of diabetes mellitus. Vest. khir. 92 no.1:42-44 Ja '64.
(MIRA 17:11)

1. Iz khirurgicheskogo otdeleniya Kiyevskoy klinicheskoy bol'nitsy
imeni Kalinina (glavnyy vrach - V.A. Udintseva.)

SOKOLOVSKIY, V.D.

Diabetes and trauma. Vest. khir, no. 6:82-86 '65.

(MIRA 18:12)

1. Iz khirurgicheskogo otdeleniya Kiyevskoy klinicheskoy bol'-
nitsy imeni Kalinina (glavnyy vrach V.A. Udintseva).

L 26356-66 EWT(m)/EWP(j) DIAAP JD/JW/JG/RM

ACC NR: AP6013382

SOURCE CODE: UR/0195/66/007/002/0284/0288

AUTHOR: Sazonov, L. A.; Sokolovskiy, V. D.; Boreskov, G. K.

ORG: Institute of Catalysis, SO AN SSSR (Institut kataliza SO AN SSSR)

TITLE: Homomolecular and isotopic exchange of oxygen on gadolinium oxide

SOURCE: Kinetika i kataliz, v. 7, no. 2, 1966, 284-288

TOPIC TAGS: gadolinium compound, oxygen, isotope

ABSTRACT: The reactions of homomolecular and isotopic exchange of oxygen on gadolinium oxide were studied over a wide temperature range (-78 to 500°C) in relation to the preliminary treatment of the oxide. The catalytic activity of the oxide in this reaction was found to be stable below 200°C. Heating of the catalyst in oxygen above 200°C, where the isotopic exchange of oxygen between the oxide and the gas phase begins, caused a change in catalytic activity at low temperatures. At high temperatures, the two reactions occur at similar rates and equal activation energies, indicating the presence of a common rate-determining step. Calcining of the catalyst in a vacuum at 700°C causes a high catalytic activity with respect to homomolecular exchange even at -78°C; this activity disappears after the oxide is heated in oxygen above 200°C. Two temperature regions with different activation energies were found for the low-temperature exchange. Orig. art. has: 3 figures, 2 tables, 2 formulas.

SUB CODE: 07/

SUBM DATE: 25Jan65/

ORIG REF: 005/

OTH REF: 001

Card 1/1

UDC: 546.662-31-44

ALEKSANDROVSKIY, Boris Petrovich, dotsent; SOKOLOVSKIY, Vasilii Grigor'yevich;
GITSHTEYN, A.D., tekhn.red.

[Concise dictionary of clinical terms with their translations
and explanations] Kratkii slovar' klinicheskikh terminov s ikh
perevodnym i tolkovym znacheniem. Izd.2-oe, peresm.i dop. Kiev,
Gos.med.izd-vo USSR, 1957. 125 p. (MIRA 11:1)
(MEDICINE--DICTIONARIES)

SOKOLOVSKIY, V.G., Cand Tech Sci--(diss) "Stable forms of cross sections
of ~~water-eroding~~ channels in the mineral soils of the Latvian SSR."
Miga-Mos, 1958. 20 pp with graphs (Min of Agr USSR. Mos Inst of Engineers
of Water Resources in V.P. ~~in~~ V.P. Vil'yams), 200 copies (KL,30-58,128)

SOKOLOVSKIY, V.I.

AID Nr. 992-4 18 June

PULSE REGISTERING FROM LARGE NUMBER OF IONIZATION CHAMBERS
(USSR)

Sokolovskiy, V. I., B. V. Subbotin, and V. I. Yakolev. Pribory i tekhnika
eksperimenta, no. 2, Mar-Apr 1963, 86-89. S/120/63/000/002/020/041

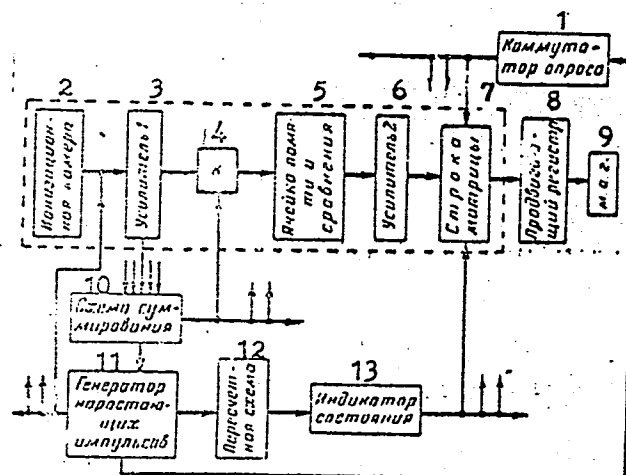
An assembly for simultaneous registration of pulses originating in some
1500 ionization chambers of two ionization calorimeters was developed at the

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AID Nr. 992-4 18 June

PULSE REGISTERING [Cont'd]

S/120/63/000/002/020/041



1 - interrogation commutator; 2 - ionization chamber;
3 - amplifier 1; 4 - switch (key); 5 - memory and comparison unit; 6 - amplifier 2; 7 - matrix row; 8 - shift register; 9 - magnetic tape recorder; 10 - addition network; 11 - building-up pulse generator; 12 - conversion unit; 13 - condition indicator.

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AD No. 992-4 10 June

PULSE REGISTERING [Cont'd]

S/120/63/000/002/020/041

Physics Institute of the Academy of Sciences USSR. The block diagram of the assembly is shown in the illustration. A negative pulse formed in an ionization chamber is applied to amplifier 1. From the first stage of the latter it proceeds, simultaneously with pulses coming from other channels, to the addition network, where a control signal is produced. From amplifier 1 the pulse proceeds through the switch to the memory and comparison unit, where it is accumulated. A series of 103 pulses is then produced by the generator of building-up pulses, which are led into amplifier 1 and then through the switch to the memory and comparison unit, where they are compared with the pulses already accumulated. The first of the building-up pulses that surpasses the amplitude of the accumulated signal is amplified by amplifier 2 and let into the corresponding matrix row. A scaling unit utilizing the binary number system is employed for counting the generator pulses. The vertical matrix columns are connected to the conversion unit by the condition indicators. Thus, each matrix row memorizes the number of the generator pulse, the amplitude of which is equal to the pulse registered by a given

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REF ID: A62-4 18 June

PULSE REGISTERING [Cont'd]

S/120/63/000/002/020/041

channel. The last of the generator pulses switches on the interrogation commutator, which transcribes the row indications on the shift register. The data recorded on magnetic tape are then processed by electronic computer. The advantages of the system can be listed as follows: 1) broad dynamic range, reaching $2 \cdot 10^4$ (50 μ v — 1.0 v); 2) low error in determining amplitude of registered pulses, equal to $\pm 5\%$ of the entire range; 3) high reliability of measurement; 4) possibility of simultaneously checking the entire multichannel system from the glow of neon lamps alone, without using instruments; 5) elimination of the necessity of adjusting separate channels; 6) possibility of processing the results by means of computers as well as by conventional methods (matrix photographs); and 7) economy of the recording system (the power consumption of a single channel is 15 w).

[KM]

Card 4/4

ПОДШИПНИК, 1. 1.

Roller Bearings

Case of rapid wear of spherical roller bearings in group transmission,
Podshipnik, No. 4, 1952.

9. MONTHLY LIST OF RUSSIAN ACCESSIONS, Library of Congress, October 1952. Uncl.

SOKOLOVSKIY, V. I.; SOKOLOVSKIY, I. B., Prof.; SHABASHOV, A.P.

Excavating Machinery

Increasing the productivity of the ESh-10 walking excavators. Mekh. stroi. 9,
No. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

SOKOLOVSKIY V. I.

Sokolovskiy V. I., "Experimental Research on the Process of Regulating the Electro-mechanical Regulator," in the collection Voprosy teorii i raboty pod'emno-transportnykh mashin [Theoretical and Practical Problems of Lifting and Transporting Machinery], Moscow/ Sverdlovsk, Mashgiz, 1953, Pages 70-77, 3 figures (Urals Polytechnic Institute, Works, No 47).

SOKOLOVSKIY, V.I., kandidat tekhnicheskikh nauk.

Hydraulic drive mechanism for ingot stripping. Sbor.st.Ural.
politekh.inst. no.47:108-113 '53. (MLRA 8:1)
(Steel ingots) (Oil hydraulic machinery)

PAL'MOV, Ye.V., doktor tekhnicheskikh nauk, redaktor; SOKOLOVSKIY, V.I.,
kandidat tekhnicheskikh nauk, redaktor; DUGINA, N.A., tekhnicheskii
skiy redaktor

[Lowering the weight and improving the quality of machines; experience of Ural factories] Snizhenie vesa i povyshenie kachestva mashin; opyt ural'skikh zavodov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1955. 238 p. (MLRA 8:6)

1. Vsesoyuznoye nauchnoye inzhenerno-tekhnicheskoye obshchestvo mashinostroiteley. Ural'skoye otdeleniye.
(Ural Mountain region--Machinery industry)

SOKOLOVSKIY, V.I.

✓ Experimental Determination of Stresses in a Type KhPT-75 Cold-Rolling Tube Mill. V.I. Sokolovskii and V.S. Gashukov. (Star, 1986, (3), 247-251). [In Russian]. An account is given of an investigation of stresses in the critical parts of a moving-stand mill when rolling tubes of various steels under a variety of conditions. The transducers used were designed to give correct indication of stress even when their loading was somewhat eccentric. The pressure on the rolls during forward movement of the stand was found to be practically independent of the frequency of movement (in the range of 80-70 per minute) and the nature of changes during movement was very similar in either direction. From these and other results suggestions for improved working are deduced.

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SOKOLOVSKIY, V.I., kandidat tekhnicheskikh nauk; SHABASHOV, A.P.,
Kandidat tekhnicheskikh nauk

Weight reduction and improvement of machinery. Vest.mash.35
no.7:86 J1'55. (MLRA 8:10)
(Machinery)

SOV/124-57-4- 4687

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 4, p 117 (USSR)

AUTHORS: Sokolovskiy, I. B., Sokolovskiy, V. I.

TITLE: On the Design of Hoisting Cables Employed in Mining Shafts (K raschetu shakhtnykh pod'yemnykh kanatov)

PERIODICAL: Sb. statey Ural'skogo politekhn. in-ta, 1955, Nr 56, pp 39-46

ABSTRACT: The authors examine the problem of the longitudinal vibrations generated in a cable of varying length in the process of lifting (or lowering) of a freely suspended load; a method for the computation of dynamic forces in the cable is developed with the aid of the results obtained by N. Ye. Zhukovskiy [O gidravlicheskom udare v vodoprovodnykh trubakh (On the Hydraulic Shock or Water Hammer in Water Pipes). Polnoye sobr. soch. T. 4 (Complete Works, Vol 4). Gostekhizdat, 1949]. Assuming that the cable may be regarded as a perfectly elastic string and that its slippage on the drum is negligible, the authors reduce the problem to the solution of a system of differential equations

Card 1/2

$$\left(\frac{\partial T}{\partial t} + c \frac{\partial T}{\partial x}\right) = \rho c \left(\frac{\partial v}{\partial t} + c \frac{\partial v}{\partial x}\right)$$

SOV/124-57-4-4687

On the Design of Hoisting Cables Employed in Mining Shafts

$$\text{and } \left(\frac{\partial T}{\partial t} - c \frac{\partial T}{\partial x} \right) = - \rho c \left(\frac{\partial v}{\partial t} - c \frac{\partial v}{\partial x} \right),$$

where T represents the dynamic stresses, c the velocity of propagation of the elastic wave, v the velocity of displacement of the section containing the coordinate x , and ρ the mass of the cable per running meter. The solution obtained differs from well-known solutions by other authors in which the speed of the translational motion of the cable as well as its imperfectly elastic nature are taken into account (see RZhMekh, 1956, abstract 412; Neronov, N. P., Prikl. matem. i mekhanika, 1937, Vol I, Nr 1).

V. N. Shevelo

Card 2/2

BOGACHEV, I.N., doktor tekhnicheskikh nauk, retsenzent; GORSHKOV, A.A.,
doktor tekhnicheskikh nauk, retsenzent; SAMOYLOV, S.I., professor,
retsenzent; ZHUKOV, P.A., kandidat ekonomicheskikh nauk, retsenzent;
PAL'MOV, Ye.V., doktor tekhnicheskikh nauk, redaktor; SOKOLOVSKIY
V.I., kandidat tekhnicheskikh nauk, redaktor; SARAFANNIKOVA, G.A.,
tekhnicheskiiy redaktor

[Improving quality and operating economy of machines] Povyshenie
kachestva i ekonomichnosti mashin. Pod red. E.V.Pal'mova i V.I.
Sokolovskogo. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit.
lit-ry, 1957. 626 p. (MLRA 10:9)

1. Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy
promyshlennosti. Sverdlovskoye otdeleniye
(Machinery industry)

SOKOLOVSKIY, V.I., kand.tekhn.nauk

Conference on improving the quality and economic efficiency of
machines. Vest.mash. 37 no.10:85-86 0 '57. (MIRA 10:11)
(Efficiency, Industrial) (Machinery)

SOV/133-58-12-10/19

AUTHORS: Sokolovskiy V.I., Kashukov V.S., Candidates of Technical Science, and Lirman M.V., Engineer

TITLE: An Experimental Investigation of Cold Rolling of Tubes
(Eksperimental'noye issledovaniye kholodnoy prokatki trub)

PERIODICAL: Stal', 1958, Nr 12, pp 1112-1117 (USSR)

ABSTRACT: A cold rolling tube mill (KhPT-E 150) with a new lighter stand designed by UZTM (nearly twice lighter than in the KhPT-75 stand) was investigated. The mill was rolling 150 mm semis. The use of the stand of a new design and rolling of semis of a large diameter necessitated an experimental check of stresses and operating ability of the individual parts and assemblies of the mill. The method of carrying out the tests is described in some

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SOV/133-58-12-10/19
An Experimental Investigation of Cold Rolling of Tubes

detail. It was found that for heavy duty rolling the mill girdles should be somewhat strengthened.

There are 11 figures and 4 tables.

ASSOCIATION: Ural'skiy politekhnicheskii institut (Ural Polytechnical Institute)

Card 2/2

PARNITSKIY, A.B.; KOGAN, L.A.; SOKOLOVSKIY, V.I.; GASHUKOV, V.S.

Experimental determination of stresses in beams caused by their
weight. Sbor.st.Ural.politekh.inst. no.65:79-84 '58.
(MIRA 12:4)

(Girders)

BERENOV, Dmitriy Ivanovich [deceased]; MOLOCHNIKOV, N.V., kand.tekhn.
nauk, retsenzent; SOKOLOVSKIY, V.I., kand.tekhn.nauk, red.;
DUGINA, N.A., tekhn.red.

[Strength analysis of parts; analysis of durability and dynamic
stresses] Raschety detalei na prochnost'; opredelenie dolgo-
vechnosti i dinamicheskikh usilii. Moskva, Gos.nauchno-tekhn.
izd-vo mashinostroit.lit-ry, 1959. 214 p. (MIRA 12:3)
(Strains and stresses) (Machinery--Design)

SOKOLOVSKIY, V.I.

PAL'MOV, Ye.V., doktor tekhn.nauk, obshchiy red.; VSHIVKOV, P.P., inzh., red.; KUBSHINSKIY, V.V., kand.tekhn.nauk, red.; PORUCHIKOV, Yu.P., kand.tekhn.nauk, red.; STEPANOV, V.V., kand.tekhn.nauk, red.; SOKOLOV, K.N., kand.tekhn.nauk, red.; SOKOLOVSKIY, V.I., kand.tekhn.nauk, red.; SUSTAVOV, M.I., inzh., red.; SHUMAYEV, B.K., kand.tekhn.nauk, red.; CHERNOGOROV, P.V., prof., red.; DUDINA, N.A., tekhn.red.

[Mechanisation and automation in the machinery industry] Mekhanizatsiya i avtomatizatsiya mashinostroitel'nogo proizvodstva. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1959. 519 p.

(MIRA 13:2)

(Machinery industry--Technological innovations) (Automation)

SOKOLOVSKIY, V.I., kand.tekhn.nauk, POSTNIKOV, V.A., inzh.

Investigating the rolling of conic pipes. Trudy Ural.politekh.
inst. no.101:54-67 '60. (MIRA 14:3)
(Pipe mills)

SOKOLOVSKIY, V.I., kand.tekhn.nauk; GASHUKOV, V.S.; LIPMAN, M.V., inzh.

Investigating the feed mechanism of mills for cold rolling of
pipes. Trudy Ural.politekh.inst. no.101:68-85 '60. (MIRA 14:3)
(Pipe mills) (Feed mechanisms)

SOKOLOVSKIY, V.I., kand.tekhn.nauk

Strains and stresses in the elements of a drawing mill with
15-ton drawing force. Trudy Ural.politekh.inst..no.101:86-97 '60.
(MIPA 14:3)

(Drawing (Metalwork))

22576

S/133/61/000/001/008/016
A054/A033

18.5/00

AUTHOR: Sokolovskiy, V.I., Candidate of Technical Sciences
TITLE: The Effect of the Elastic Deformation of the Rolling Stand on the Cold-Rolling of Tubes
PERIODICAL: Stal', 1961, No. 1, pp. 46 - 54

TEXT: When determining the parameters of tube cold-rolling processes and calibrating the tools, it usually is taken for granted that the parameters of the working cone before and after the forward stroke are identical and that the cross section of the working cone is circular, the metal flow speeds and surface points of the caliber are in line with the axis of rolling. However, tests and theoretical studies have revealed that these presumptions are not entirely correct and the formulae based on them render no accurate results. Among the factors affecting tube rolling the elastic deformation of the working stand has a great effect which was studied on the XTT (KhPT) type mills of the Pervoural'skiy novotrubnyy zavod (First Ural New Tube Plant) with the participation of D.T. Ankudinov, Ye.S. Goronkov, G.I. Rogachevskiy and V.A. Postnikov. The elastic deformation of the stand taking place during rolling was registered with a device mounted on the

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S/133/61/000/001/008/016

A054/A033

The Effect of the Elastic Deformation of the Rolling Stand on the Cold-Rolling of Tubes

working stand, the main feature of which is a lever system, whose levers operate independently from each other, indicating any elastic deformation of the upper and lower working rolls. With this device and oscillograms, the play of the rolls (during no-load run), the feed rate and the displacement of the product during rolling, its angle of rotation and the roll pressure were determined. Based on the experimental curve a of Figure 3, plotted for the dependence of deformation of the roll on the vertical pressure on one of its necks, formula $f = 0.08 p^{0.77}$ (1) has been established, where f is the elastic deformation of a roll in mm, and P the pressure on one roll neck in tons. The oscillograms show that the elastic deformations and vertical pressure during forward and backward strokes are not identical for the corresponding points of the caliber: they are smaller during the forward stroke, which can be explained by the slight displacement of the tube during the formation of the working cone (Fig. 2). As the elastic displacements of the rolls, which are in proportion to the rolling forces, have a great effect on the parameters of the working cone, and since the rolling forces are different during the forward and backward strokes, the cone-parameters will also vary. Table 3 shows that the wall thickness of the cone varies in each cross section and

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The Effect of the Elastic Deformation of the Rolling Stand on the Cold-Rolling of Tubes

that the latter are not quite circular. The conditions of rolling, determined by the forming of the working cone with parameters after calibration, thus do not correspond to the conditions of rolling during the forward and the backward stroke. The actual values of reduction and drawing will differ from those determined by calibration. Due to the effect which the elastic deformation of the stand has on the parameters of the rolling process, studies were carried out to determine some of these parameters taking into account this elastic deformation. For this purpose, the wall thickness and the cross section area in the focus of deformation have been determined. One half of the cross section of the deformation focus was calculated by:

$$F = \frac{\pi}{2} (r_{\psi}^2 \cos \psi - \rho^2) + 2(L - R_r \cos \psi) r_{\psi} \quad (3)$$

where R_r is the radius of the roll [Abstracter's note: Subscript r (roll) is the translation of the original ρ (val)]; L the distance between the axis of rolling and the roll axis, while the thickness of the metal layer rolled in the focus of deformation is calculated by:

$$h = r_{\psi} \left[\cos \psi + \frac{2}{\pi} (1 - \cos \psi) \varphi \right] + (L - R_b \cos \psi) \cos \psi - \rho \quad (8)$$

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The Effect of the Elastic Deformation of the Rolling Stand on the Cold-Rolling of Tubes

Another parameter: the shape of the contact surface of the deformation focus can be determined with coordinates χ and φ (Fig. 7b), the parameter of reduction is calculated by:

$$\chi_{\text{red}} = (R_b - r_{\psi_0}) \sqrt{\frac{2 [a \Delta l + (L - L') \cos \varphi - (r_{\psi_{02}} - r_{\psi_0})]}{R_b \cos \varphi - (1 - \frac{2}{\pi} \varphi) r_{\psi_0}}}, \quad (13)$$

[Abstracter's note: Subscript red (reduction) is the translation of the original p (redutsirovaniye)] while the frontal border of the deformation focus for the reduction zone will be calculated by:

$$\chi_0 = (R_b - r_{\psi_0}) \sqrt{\frac{2 [(a - b) \Delta l + (L - L') \cos \varphi - (r_{\psi_{02}} - r_{\psi_0})]}{R_b \cos \varphi - (1 - \frac{2}{\pi} \varphi) r_{\psi_0}}}. \quad (14)$$

The calculations of the rate of metal flow and frictional forces in the deformation focus are based on the elastic deformation of the working stand and the spatial movement of the points of the caliber working surface, the speed of which is: $U = \omega l$ (15), where ω is the momentary angular velocity of the working roll,

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determined by: $\omega = V_{\text{stand}} : R_k$ (16), where R_k is the radius of the initial periphery of the driving gear of the working roll [Abstracter's note: Subscript stand is the translation of $\kappa\eta$ (klet')]. The speed of the surface points of the caliber can be determined, according to three axes of the coordinate system by

$$U_x = \omega (\rho + h) (\cos \varphi - \cos \varphi_k), \quad (17)$$

$$U_h = -\omega x \cos \varphi, \quad (18) \quad U_\varphi = \omega x \sin \varphi. \quad (19)$$

When calculating the velocity of metal flow (V_x in direction x and V_φ in direction φ) it has to be assumed that a) the velocity of points located in the plane perpendicular to the rolling axis on the same radius is identical; b) that the cross section remains flat during rolling; c) that the density of the rolled metal must be disregarded. Starting from the invariability of the mass of metal layer rolled in the elementary area Fdx we obtain

$$\frac{\partial V_x}{\partial x} + \frac{1}{F} \frac{\partial F}{\partial x} V_x = -\frac{1}{F} \frac{\partial F}{\partial t} \quad (20)$$

and when solving this equation with $x = 0$; $F = F_0$ and $V_x = 0$ initial conditions we obtain

$$V_x = \frac{1}{F} \int_0^0 \frac{\partial F}{\partial t} dx. \quad (21)$$

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S/133/61/000/001/008/016

A054/A033

X

The Effect of the Elastic Deformation of the Rolling Stand on the Cold-Rolling of Tubes

The flow velocity of the metal in direction φ (when starting from the condition of mass-equilibrium in the $h\rho d\varphi dx$ elementary area) can be calculated by:

$$\frac{\partial V_{\varphi}}{\partial \varphi} + \frac{1}{h} \frac{\partial h}{\partial \varphi} V_{\varphi} = - \left(\rho \frac{\partial V_{\chi}}{\partial \chi} + \frac{\rho}{h} \frac{\partial h}{\partial t} + \frac{\rho}{h} V_{\chi} \frac{\partial h}{\partial \chi} + V_{\chi} \frac{\partial \rho}{\partial \chi} \right). \quad (22)$$

When substituting F from (3) into (21) after integration and transformation we have $V_{\chi} = -\omega R_k A \frac{\chi}{F}$ (23), where $A = \pi(a r_{\psi 0} - b \rho_0) + 2kr_{\psi 0}$ (24). When taking $\varphi = 0$ and $V_{\varphi} = 0$, we can now solve the equation (22) and obtain for V_{φ}

$$V_{\varphi} = -\omega R_k \frac{\rho}{h} \left\{ \left[(a - b) + \frac{A}{F} (r_{\psi} \cos \psi - \rho) \right] \varphi + \left(k + \frac{A}{F} \Delta_{\chi} \sin \varphi \right) \right\} \quad (25)$$

where $\Delta_{\chi} = L - R_b \cos \psi$ (26). The relative velocities in the deformation focus can be determined by

$$\Delta V_{\chi} = \omega R_k \left[\frac{r_{\psi 0}}{R_k} (\cos \varphi - \cos \varphi_k) \frac{A}{F} \chi \right] \quad (27)$$

and $\Delta V_{\varphi} = \omega \chi \sin \varphi - V_{\varphi}$ (28). There are 8 figures, 3 tables and 3 Soviet references.

ASSOCIATION: Ural'skiy politekhnicheskiy institut (The Ural' Polytechnical Institute)

Card 6/12

S/122/61/000/006/007/011
D244/D301

AUTHORS: Sokolovskiy, V.I., Levaynem, A.G., Odintsov, B.P.,
Goronkov, Ye. S., and Postnikov, V.A.

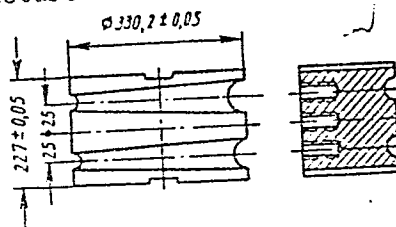
TITLE: 2-pass cold rolling of tubes

PERIODICAL: Vestnik mashinostroyeniya, no. 6, 1961, 50-52

TEXT: Simultaneous cold rolling of 2 tubes, i.e. 2-pass rolling, has been carried out at the Pervoural'skiy novotrubnyy zavod (Pervoural New Tube Plant) using a PC (RS) 2 1/2" mill. This has resulted in a considerably increased output. Fig. 1 shows the grooves for 2-pass rolling, and Fig. 2 the structure of the shaft carrier.

Fig. 1. Grooves for 2-pass rolling.

The roll revolution is transmitted by the gearbox 1 to the stem of plunger 2 and further to plunger 3 through the gearbox pair 4 and 5. The plunger 3 can move relative to plunger Card 1/3 (For Fig. 2 see next card)

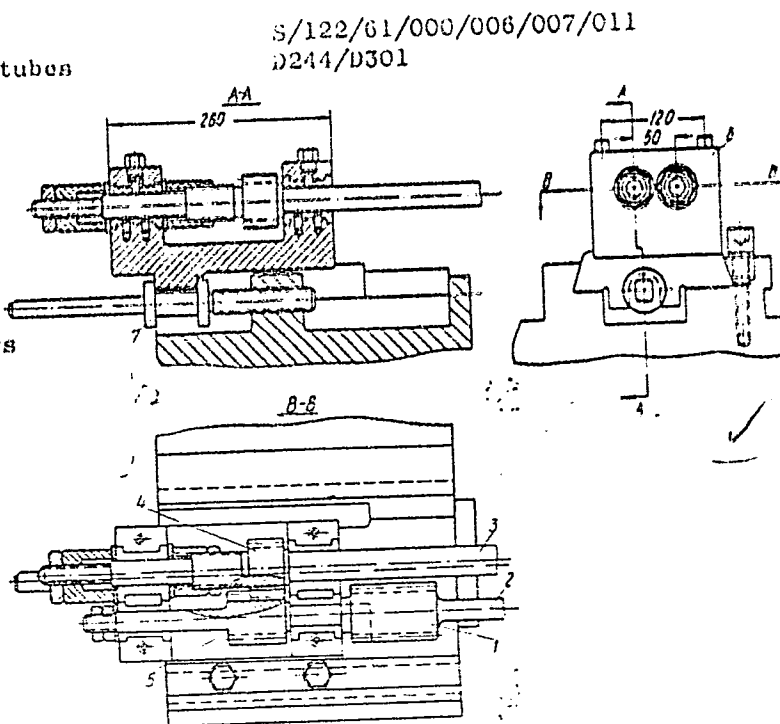


2-pass cold rolling of tubes

Fig. 2. Structure of the shaft carrier.

2 during adjustment of the mill by 25 mm so as to compensate for any inaccuracies in the mandrels. The housing 6, in which the plungers are accommodated, can be moved by means of screw 7 in order to set the mill to the required wall thickness of the tube. It was found that the output of the mill can be still further increased by

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2-pass cold rolling of tubes

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D244/D301

installing a more powerful pneumatic carrier drive. Further, in order to prevent flush formation and thus improve the quality of the tubes, rotation of the tube due to mandrel rotation should be prevented and a forward holder should be set up which would ensure gripping and turning of 2 tubes simultaneously. The construction of such a holder is also illustrated. There are 4 figures.



Card 3/3

SOKOLOVSKIY, V.I.; GASHUKOV, V.S.; ANKUDINOV, D.T.

Investigating the power used by electric motors in dragging. Trudy
Ural.politekh.inst. no.104:174-180 '61. (MIRA 14:6)
(Electric motors--Testing) (Excavation)

SOKOLOVSKIY, V.I.

Distribution of specific pressure along the surface of the deformation center during the cold rolling of pipe. Trudy Ural. politekh. inst. no.127:66-77 '61.

Force required to remove the pipe blank from the mandrel following cold rolling. Ibid.:78-82 (MIRA 16:8)

S/694/62/000/119/001/003
E193/E383

AUTHOR: Sokolovskiy, V.I., Candidate of Technical Sciences,
Docent

TITLE: The velocities of metal flow in the deformation region
during cold-rolling of tubes

SOURCE: Sverdlovsk. Ural'skiy politekhnicheskiy institut.
Trudy. no. 119. 1962. Raschet i konstruirovaniye
oborudovaniya metallurgicheskikh predpriyatiy. 54-58

TEXT: An analytical solution of the problem is presented. The displacement of metal in the direction both parallel and normal to the direction of rolling and the relative movement of individual points on the groove surface, caused by elastic strains in the rolling stand, are taken into account. It is assumed in the calculation that each plane section of the tube remains flat during deformation, that the metal-flow velocity is constant across its thickness and that the density of the metal rolled is also constant. After deriving expressions for the velocity of any given point on the roll-groove surface, the author - starting from the condition of constant volume of the rolled metal - derives formulae for the

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The velocities of

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metal-flow velocity in the deformation region. He then determines the coordinates of the boundary between the zones of forward and backward slip, and constructs graphs showing the distribution of relative velocities of the metal flow and friction forces on the surface of the roll groove in the deformation region.

There are 3 figures.

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S/694/62/000/119/002/003
E193/E383

AUTHOR: Sokolovskiy, V.I., Candidate of Technical Sciences,
Docent

TITLE: The parameters of the deformation region in cold-
rolling of tubes

SOURCE: Sverdlovsk. Ural'skiy politekhnicheskiy institut.
Trudy. no. 119. 1962. Raschet i konstruirovaniye
oborudovaniya metallurgicheskikh predpriyatiy. 59 - 66

TEXT: The object of the present work was analytically to study
the parameters of the deformation region in cold-rolling of tubes,
taking into account the displacement of rolls caused both by
elastic strains in the stand and by setting the rolls to produce
the required tube diameter. Since, as a result of elastic strains,
the cross-section of the working part of the groove no longer
remains circular, the effect of rotating the tube during rolling
was also taken into account. Expressions for the following para-
meters were derived: cross-section of the deformation region and
thickness of the metal rolled; coordinates of the boundaries of
the deformation region; reduction of the wall thickness.
There are 4 figures.
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ANIKIN, Nikolay Aleksandrovich; DROBYSHEVSKAYA, Nadezhda Ivanovna;
DUDINOV, Vladimir Alekseyevich; KON'KOV, Arkadiy
Sergeyevich; KONYUKHOV, Sergey Mikhaylovich; MESHCHERINOV,
Fedor Ivanovich; POLETSKIY, Aleksandr Timofeyevich; POLYAKOV,
Gleb Maksimovich; SAL'NIKOV, Oleg Alekseyevich; CHERNOBAY,
Dmitriy Gavrilovich; GAVRILOV, P.G., kand. tekhn.nauk, retsen-
zent; NEFED'YEV, G.N., kand. fiz.-mat. nauk; SOKOLOV, V.M.,
kand. fiz.-mat. nauk; SOKOLOVSKIY, V.I., kand. tekhn. nauk;
RUDIN, S.N., inzh.; EYDINOV, M.S., kand. tekhn. nauk; DUBITSKIY,
G.M., doktor tekhn. nauk, red.; ZAKHAROV, B.P., inzh., red.;
KONOVALOV, V.N., kand. tekhn. nauk, red.; PERETS, V.B., kand.
tekhn. nauk, red.; ROZENBERG, I.A., kand. ekonom. nauk, red.;
STEPANOV, V.V., kand. tekhn. nauk, red.; SUSTAVOV, M.I., inzh.,
red.; SHABASHOV, S.P., kand. tekhn. nauk, red.; DUGINA, N.A.,
tekhn. red.

[Handbook for inventors and innovators]Spravochnik dlia izobre-
tatel'ia i ratsionalizatora . [By] N.A.Anikin i dr. Izd.3., ispr.
i dop. Moskva, Mashgiz, 1962. 791 p. (MIRA 16:1)
(Technological innovations—Mechanical engineering)

SOKOLOVSKIY, V. I., kand. tekhn. nauk, dotsent

Speed of metal flow in the center of deformation during the
cold rolling of pipe. Trudy Ural'. politekh. inst. no. 119:
54-58 '62. (MIRA 16:1)

(Rolling(Metalwork))
(Deformations(Mechanics))

SOKOLOVSKIY, V. I., kand. tekhn. nauk, dotsent

Deformation center parameters in the cold rolling of pipe.
Trudy Ural'. politekh. inst. no.119:59-66 '62.
(MIRA 16:1)

(Rolling(Metalwork))
(Deformations(Mechanics))

S/136/63/000/004/002/004
E193/E383

AUTHOR: Sokolovskiy, V.I.

TITLE: The magnitude of relative displacement of sections of the working cone in cold tube-rolling

PERIODICAL: Tsvetnyye metally, ³⁶no. 4, 1963, 77 - 82.

TEXT: The pressure exerted by the metal on the rolls in cold tube-rolling is, to a great extent, determined by the magnitude of the displacement of sections of the working cone relative to the corresponding sections of the roll grooves. It is generally accepted that this displacement is due to feed and elongation of the stock and that its magnitude is given by the product μs , where μ is the local deformation coefficient and s the feed of the stock. When, however, this value of μs is used in various calculations of rolling parameters, the results obtained very often differ from experimental data. In addition, no explanation of various experimental facts can be formulated in terms of μs only: it is still not understood why a two-to threefold increase in the feed should increase the maximum roll force by 15 - 25% only, or why the roll force during the reverse movement of the carriage is

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The magnitude of

often higher than that during the forward stroke. It was because of these considerations that the present investigation was undertaken with a view to determining the real magnitude of the displacement of the working cone. Using theoretical concepts and some experimental data, the author shows that the displacement of a section of the working cone is given by:

$$\Delta l = \mu s + \Delta s \quad (2)$$

where Δs is the relative displacement of the section due to displacement of the entire working cone during rolling and additional displacement of the grooves; thus,

$$\Delta s = s_B + s_H + 2s_{\phi} \quad (3)$$

where s_B and s_H are the displacements of the entire working cone during, respectively, forward and reverse movement of the carriage and s_{ϕ} is the lateral backlash in the meshing of the rack with the driving gear and in the meshing of the synchronizing

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The magnitude of

gears of the working rolls. Formulas are derived for the possible magnitude of Δs and it is shown that the relatively higher rolling forces during the reverse movement of the carriage and the relatively small increase in the rolling force brought about by a substantial increase in the feed of the stock are associated with the existence of the additional displacement Δs of sections of the working cone. To account for this effect, the value of Δl , and not μs , should be used in calculating the roll force and the parameters of the deformation region in cold tube-rolling. There are 4 figures and 1 table.

Card 3/3

SEKOLICHNIKOV, A.I., kand. tekhn. nauk, docent

Dynamics of the main drive gear of pipe cold-rolling mills.
Izv. vys. ucheb. zav.; mashinost. no.11:146-155 '63.

(MIRA 17:10)

1. Ural'skiy politekhnicheskiy institut.

SOKOLOVSKIY, V.I.

Unit pressure and friction forces on the surface of the deformation center for a general case of rolling. Izv. vys. ucheb. zav.; Chern. met. 7 no.7:104-111 '64 (MIRA 17:8)

1. Ural'skiy politekhnicheskiy institut.

ALFONSO V. V. I.; G. B. KROV, Ye. S.

Optimum tachogram of the driving member movement of distributing
feed mechanisms of pipe cold rolling mills. Trudy Ural. politekh.
inst. no. 136:52-66 '64. (MIRA 17:10)

SOKOLOVSKIY, V.I.; GORONKOV, Ye.S.

Ways for improving distributing feed mechanisms of pipe cold rolling mills. Trudy Ural.politekh.inst. no.136:88-95 '64.

(MIRA 17:10)

SOKOLOVSKIY, V.I.

Boundaries of the deformation focus in the cold rolling of pipes
taking into consideration local elastic deformations. Trudy Ural.
politekh.inst. no.136:96-105 '64. (MIRA 17:10)

SOLOVYOV, V.I., kand. tekhn. nauk; GOLITSKY, V.I., inzh.

Experimental investigation of power consumption in cold pipe
rolling. Izv. vys. ucheb. zav.; mashinostr. no.1:212-217 '65.
(MIRA 18:5)

BOGACHEV, B.A.; KOLIKOVICH, I.F.; SOKOLOVSKIY, V.I.

Syrestan soapstone deposit. Izv. vys. ucheb. zav.; geol. i
razv. 7 no.6:71-79 Js '64. (NTr 16:7)

1. Ural'skoye geologicheskoye upravleniye i Moskovskiy geolo-
gorazvedochnyy institut imen' E. Ordzhonikidze.

SOKOLOVSKIY, V.M., inzh.

Results of testing electric drives of the EVG-15 excavator. Stroi.
i dor.mashinostr. 5 no.3:3-7 Mr '60. (MIRA 13:6)
(Excavating machinery--Electric driving)