"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

LANDA, A.L.; KRYLOV, A.A.; TROFIMOV, G.A.

Evaluation of the significance of a cytological investigation and of a modified color reaction of bile in chronic cholecystitis. (MIRA 14:6)
Lab.delo 7 no.7:35-38 Jl '61.

1. Kafedra fakul'tetskoy terapii No.2 (nachal'nik - prof. A.L.Landa) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.
(GALL BLADDER--DISEASES)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.A.

Changes in the function of the thyroid gland in burn disease. Terap arkh. 35 no.1:84-89 Ja'63. (MIRA 16:9)

1. Iz Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

(BURNS AND SCALDS) (THYROID GLAND)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

PINASHIN, A. N. (Eng.), TROFIMOV, G. F. (Eng.)

Magnitogrosk-Iron Mines and Mining

Organization of waste piling at the Magnitogorsk mine. Mekh. trud. rab. 6 No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952 ~~1953~~, Uncl.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.I., kand.tekhn.nauk

Fluid flow in the area of confluence of two streams. Trudy LIVT no.7:49-56 '60. (MIRA 15:2)

(Hydraulics)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.I., Cand Tech Sci--(diss) "Application of the theory of ~~the~~ potential movement of fluid to ~~the flat~~ plane problems of stream ramification." Len, 1958. 15 pp (Min of River Fleet RSFSR. Len Inst of Engineer~~ing~~s of Water Transport), 110 copies (KL,30-58,129)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

USSR / Farm Animals. Cattle Q

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7384

Author : Ivanov, N. A.; Trofimov, G. I.
Inst : Turkmen Institute of Agriculture
Title : Milk Production of Thoroughbred Red Steppe Cattle in Turkmenistan

Orig Pub : Tr. Turkm. s.-kh. in-ta, 1957, 9, 403-409

Abstract : It was established that the thoroughbred Red Steppe cattle acclimatized well in Turkestan. In 1956 the milk yields were 282.2 percent higher than in 1955. The basic population of the Kardamak sovkhoz cows (82.8 percent) produces milk yields within the limits of 2000-4000 kg and a small fraction produces milk yields lower than 2000 kg (4.5 percent) and

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USSR / Farm Animals. Cattle. Q

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7384

higher than 4000 kg (11.7 percent). The milk's fat content stays within the limits of 3.25-3.82 percent. The duration of lactation averages 270-287 days (196 to 462 days).
-- A. D. Musin

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.I.; FEL'DMAN, D.S.; MEMKIN, D.R., prof., doktor fiz.-mat. nauk, red.

[Kinematics; outline of the theory. Methodological instructions and tests] Kinematika, kratkie svedeniia po teorii. Metodicheskie ukazaniia i kontrol'nye raboty. Leningrad, Izd-vo "Mechnoi transport," 1963. 80 p. (MIRA 17:10)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

SOV/124-58-8-8768

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 8, p 62 (USSR)

AUTHOR: Trofimov, G.I.

TITLE: Plotting Rational Flow-boundary Contours for Branching-out Sections of Hydraulic Installations (Postroyeniye ratsional'nogo ochertaniya granits potoka na uchastkakh razvetvleniy)

PERIODICAL: Tr. Leningr. in-ta inzh. vodn. transp., 1957, Nr 24, pp 53-61

ABSTRACT: In the designing of hydraulic installations and structures of various types there exists the problem of determining the most suitable flow-boundary contours at places where the installation or structure in question branches out---the most suitable contours being understood to be those which would allow a smooth unimpeded flow along the flow boundaries, i.e., which would allow an even increase in the flow velocity along said boundaries. This gives rise to the following problem in hydromechanics: A plane flow of an ideal incompressible liquid, having a finite width at infinity, divides into two branch flows; the problem is to determine the contours of the flow boundaries when the velocity distribution along said boundaries is

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SOV/124-58-8-8768

Plotting Rational Flow-boundary Contours (cont.)

given. One method of solving the problem is the following: The region of variation of the velocity hodograph of the sought-for flow is assumed to be given so that 1) its boundary corresponds to the sought-for velocity variation along the flow boundaries, and so that 2) the function representing it on the upper semiplane is known; then the given hodograph region and the region of variation of the complex potential (in this case a strip with a slit in it) are represented on the upper semiplane of an auxiliary complex variable. In this event the solution is obtained in an implicit parametric form. The simplicity and effectiveness of the solution will depend on the aptness of the choice made of the given velocity hodograph. V. M. Makkaveyev (Tr. 2-go Vses. matem. s"yezda 1936, Vol 2) has examined a case in which the region of the velocity hodograph considered given has the form of a circular sector with the origin of the coordinates lying on the circumference. A solution is offered in this paper for a case in which the velocity hodograph is given in the form of a region delimited by two circular arcs, with the origin of the coordinates lying on one of the two circumferences. The solution in its final form is expressed in terms of elementary functions. In contrast to the case examined by V. M. Makkaveyev, this solution makes it possible to examine an asymmetrical flow. A method is given for determining the solution's arbitrary parameters in terms of the given velocities and mass-flow rates.

Card 2/2

G. N. Pykhteyev

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.I., kand.tekhn.nauk

Consideration of turbulent zones in determining the coefficients of compressibility of a forced flow behind a plane closing device. Izv. vys.ucheb.zav.; energ. 4 no.5:105-113 My '61. (MIRA 14:6)

1. Leningradskiy institut vodnogo transporta. Predstavlena kafedroy gidravliki.

(Jets)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

S/863/062/000/000/007/008
D207/D308

AUTHORS: Nikiforov, Ye.G. and Trofimov, G.I.

TITLE: Experimental investigation of the vertical circulation in wind-generated flow

SOURCE: Modelirovaniye yavleniy v atmosfere i gidrosfere; trudy Pervoy mezhduvedomstvennoy konferentsii 22-26 noyabrya 1960 g. Moscow. Izd-vo AN SSSR, 1962, 93-99

TEXT: The results are given of model studies of vertical circulation in seas caused by winds. In the model experiments a glass trough 75 cm deep, 40 cm wide and 9 m long was filled with water and had a wind tunnel fitted on top of it. This tunnel had a ventilator capable of producing flow of air at 4000 m^3/hour. In addition to the action of wind, waves could be produced by a special generator. The effects of wind and of the wave generator acting separately or simultaneously were studied. The velocity of flow in water was measured by means of semiconductor probes, special small vanes, cinematography of the motion of suspended particles and by

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

visual observation. The air flow was measured with a Pitot tube or a pneumatic instrument. Capacitance probes and cinematography were used to measure the parameters of surface waves. The vertical flow in the upper part of the water was downward, whereas in the lower part it was upward. In the surface layer the flow represented a partly-submerged stream which attracted increasing masses of the surrounding water. Convective instability of the water or the air in the apparatus did not affect the structure of the flow or the formation of surface waves. Due to irregularity of the surface waves, the vertical circulation suffered continuous oscillation. The effect of waves alone and of waves combined with wind was essentially the same. Experiments were carried out also with a layer of kerosene on top of water in a transparent trough 150 cm long, 20 cm wide and 70 cm deep, again fitted with a wind tunnel above it. The air velocity in this series of experiments was constant (5 m/sec); below this velocity no waves were formed on the kerosene surface. Under steady-state conditions in the kerosene there was no flow in the underlying water. The circulation in the kerosene and the dimensions of waves on its surface depended on the thickness of the

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

kerosene layer. If the kerosene layer was sufficiently thin (e.g. 16 cm) it became wedge-shaped with the kerosene-water boundary no longer horizontal and the thicker end of the wedge at the wind-tunnel entry. In kerosene the boundary between downward and upward flow was much higher in the middle of the trough than at its ends or sides. Horizontal circulation was observed near the kerosene-water boundary. In other respects the results for kerosene were similar to those observed for water. There are 5 figures.

ASSOCIATION: Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut (Arctic and Antarctic Scientific Research Institute); Leningradskiy institut vodnogo transporta (Leningrad Institute of Water Transport)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G. K. and ENGEL'GARDT, L. S.

"The Role of Synantropic Flies in the Epidemiology of Helminth Infections in Baku", Med. Paraz. i Paraz. Bolez., Vol. 17, No. 3, pp 247-52, 1948.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G. K.; SHYAPOSHNIKOV, M. G.

Benzene Hexachloride

Testing hexachloran dust in dusting rice fields from aeroplanes. Med. paraz. i paraz. bol. No. 1, 1953.

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

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

SPERANSKIY, A.P., kandidat meditsinskikh nauk; TROFIMOV, G.K.

Asymmetry of the erythrocyte sedimentation rate and the leukocyte count in unilateral affections of the peripheral nervous system; preliminary report. Lab.delo no.4:25-28 Jy-Ag '55. (MLRA 8:8)

1. Iz Karagandinskoy oblastnoy stantsii perelivaniya krovi (zav. G. K Trofimov)

(NERVES, PERIPHERAL, diseases,
blood sedimentation & leukocyte count, asymmetry)
(BLOOD SEDOMENTATION, in various diseases,
nervous system, peripheral, dis., relation to leukocyte count)
(LEUKOCYTE COUNT, in various diseases,
nervous system, periphe al, dis., relation to blood sedimentation)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

CHIZHEVSKIY, A.L.; TROFIMOV, G.K.

Possibility of formation of rouleaux in vitro. Biul. eksp. biol. i med. 40 no.11:70-72 N. '55. (MLRA 9:1)

1. Iz Karagandinskoy oblastnoy klinicheskoy bol'nitsy (glavnyy vrach Z.A. Tyshchenko) i Karagandinskoy oblastnoy stantsii perelivaniya krovi (zav. F.L. Nizguretskaya)
(ERYTHROCYTES,
rouleaux, form. in vitro)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.K.

A case of myiasis in sheep caused by larvae of the flesh flies Parasarcophaga parkeri Rohd. and P. securifera Vill. (Diptera, Sarcophagidae) in Transcaucasia. Ent. obozr. 36 no.3:652-654 '57. (MLRA 10:9)
(Azerbaijan--Flesh flies)
(Myiasis)
(Sheep--Diseases and pests)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.K.; TUAYEV, S.M.; ALIYEVA, S.I.

Case of intestinal myiasis caused by larvae of Ravinia striata F. (Diptera, Sarcophagidae). Med. paraz. i paraz. bol. 27 no.4:498 Jl-Ag '58. (MIRA 12:2)

1. Iz Instituta malyarii i meditsinskoy parazitologii Ministerstva zdravookhraneniya Azerbaydzhanskoy SSR (dir. instituta A.A. Kasimov).
(MYIASIS, case reports,
intestinal, caused by Ravinia striata larvae (Rus))
(INTESTINES, dis.
myiasis caused by Ravinia striata larvae (Rus))

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

BARGRAMYAN, M.G., TROFIMOV, G.K., NADZHAFOV, A.Yu., KASIMOV, A.A., DZHAFAROV, A.A. KEVELIYEV, T.Kh.

Geographic malariological study in Azerbaijan as a basis for rational antimalarial measures during a rapid decrease in the incidence of malaria. Report No.1 [with summary in English]. Med.paraz. i paraz. bol. 27 no.3:278-283 My-Je '58 (MIRA 11:7)

1. Iz Instituta malyarii i meditsinskoy parazitologii Ministerstva zdravookhraneniya AzerSSR (dir. instituta A.A. Kasimov).

(MALARIA, prevention and control
geographic survey as indic. for control in rapid decrease (Rus))

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.K.; KIYASOV, A.Ya.

Effect of DDT and hexachlorocyclohexane on silkworms. Med. paraz. i paraz. bol. 27 no.4:501 Jl-Ag '58. (MIRA 12:2)

1. Iz Instituta malyarii i meditsinskoy parazitologii imeni S.M. Kirova Ministerstva zdravookhraneniya Azerbaydzhanskoy SSR (dir. instituta A.A. Kasimov

(MOTHS, effect of drugs on,
Bombyx mori, benzene hexachloride & DDT (Rus))
(BENZENE HEXACHLORIDE, effects,
on Bombyx mori (Rus))
(DDT, effects,
same)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

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APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

ETLIS, V.S.; TROFIMOV, N.N.; RAZUVAYEV, G.A.

Chlorination of olefin oxides. Zhur. ob. khim. 34 no.8:2784-2787 Ag '64. (MIRA 17:9)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TRET'YAKOV, A.V.; LOKSHIN, B.Ye.; GARBER, E.A.; TROFIMOV, G.K.

Use of methods of mathematical processing of experimental data in the engineering and construction laboratory of the Scientific Research Institute of Heavy Machinery at the Ural Heavy Machinery Plant. Zav.lab. 31 no.10:1237-1238 '65.

(MIRA 19:1)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.K., inzh.; OZOLIN, Yu.A., inzh.

Fractional deformation in cold rolling. Sbor. st. NIITIAZHMASHa Uralmashzavoda no.6:275-278 '65.

(MIRA 18:11)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.K.

Brief review of the fauna of synanthropic flies of the families Muscidae, Calliphoridae and Sarcophagidae (Diptera) of the Talysh Mountains. Ent. obozr. 44 no.3:605-612 '65. (MIRA 18:9)

1. Institut meditsinskoy parazitologii i tropicheskoy meditsiny im. S.M.Kirova, Baku.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TOPIC TAGS: metalworking, cold working, metal test, cold rolling, hot rolling, [illegible] deformation, plasticity, metal property, plastic deformation

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TUPIL [illegible] cold rolling steel [illegible]

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V-811 steel rose from 77 to 100 kg/mm², the yield point from [illegible]

ASSOCIATION: none

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TRET'YAKOV, A.V.; TROFIMOV, G.K.

Empirical formulae for determining the mechanical characteristics of cold-worked steels. Zav. lab. 30 no.7:862-863 '64. (MIRA 18:3)

1. Ural'skiy zavod tyazhelogo mashinostroyeniya.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.K.

Significance of human and animal excrements as a source of breeding for synantropic Sarcophagidae flies. Med. paraz. i paraz. bol. 33 no.1:20-24 Ja-F '64 (MIRA 18:1)

1. Institut meditsinskoy parazitologii i tropicheskoy meditsiny imeni S.M. Kirova (direktor-dotsent T.A. Tagi-zade) Ministerstva zdravookhraneniya Azerbaydzhanskoy SSR, Baku.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.K.

Housefly Musca sorbens Wd. (Diptera, Muscidae) in Azerbaijan. Ent. obozr. 42 no.4:757-764 '63. (MIRA 17:8)

1. Institut malyarii i meditsinskoy parazitologii, Baku.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.K.

Effect of aerosols on the change in blood coagulation during the sensibilization and anaphylactic shock in rabbits. Izv. AN Kazakh. SSR. Ser. med. nauk no.1:43-49 '64 (MIRA 17:7)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.K.

Effect of aeroions of different polarity on the change in the complement titer. Izv. AN Kazakh. SSR Ser. med. nauk no.2:68-72'63. (MIRA 16:10)

(AIR, IONIZED — PHYSIOLOGICAL EFFECT)
(COMPLEMENTS (IMMUNITY))

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.K.; YESYREV, O.V.

Effect of air ions on the ciliate epithelium. Izv. AN Kazakh. SSR. Ser. med. nauk no.1:47-52 '63. (MIRA 16:10)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.K.

Effect of aeroions of different polarity on the outcome and picture of anaphylactic shock in rabbits. Izv. AN Kazakh. SSR Ser. med. nauk no.2:73-77'63. (MIRA 16:10)
(AIR, IONIZED — PHYSIOLOGICAL EFFECT)
(ANAPHYLAXIS)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.K.

Effect of positive and negative aeroions on the survival of guinea pigs in a fatal anaphylactic shock. Trudy Inst.kraev. pat.AN Kazakh. S.S.R. 11:193-196 '62. (MIRA 16:4)
(AIR, IONIZED—THERAPEUTIC USE) (ANAPHYLAXIS)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TRET'YAKOV, A.V.; LOKSHIN, B.Ye.; TROFIMOV, G.K.

Investigating the cold rolling of the bimetal Armco iron-ASM alloy. TSvet.met. 35 no.12:48-53 D '62. (MIRA 16:2)
(Rolling (Metalwork)) (Laminated metals)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

SKRYABIN, N.P.; TROFIMOV, G.K.; KOCHETOV, I.M.; BARYSHNIKOV, P.A.; ANAN'IN, K.I.; SHKURKO, I.M.; MINTS, B.M.; PASTUKHOV, Ye.S.; ZHELNIN, P.P.

Greater efficiency in grooving and the mechanization of rolling on the 500 and 280 mills. Metallurg 6 no.12:23-27 D '61. (MIRA 14:11)

1. Omutninskiy metallurgicheskiy zavod i Ural'skiy institut chernykh metallov.
(Rolling mills--Equipment and supplies)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TRET'YAKOV, Andrey Vladimirovich; TROFIMOV, Georgiy Konstantinovich; ZIUZIN, Vladimir Ivanovich; ROKOTYAN, Ye.S., prof., doktor tekhn. nauk, retsenzent

[Mechanical properties of metals and alloys during their working by pressure] Mekhanicheskie svoistva metallov i splavov pri obrabotke davleniem. Moskva, Metallurgiia, 1964. 221 p. (MIRA 18:1)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

S/136/62/000/012/001/001
E081/E483

AUTHORS: Tret'yakov, A.V., Lokshin, B.Ye., Trofimov, G.K.

TITLE: A study of cold rolling of armco iron /ACM (ASM) alloy bimetal strip

PERIODICAL: Tsvetnyye metally, no.12, 1962, 48-53

TEXT: The authors studied the effect of total reduction in rolling on the relative thickness of the bimetal strip components, the latter parameter being characterized by $c = h_{zh}/h_p$, where h_p and h_{zh} denote the total thickness of the strip and the thickness of the iron layer respectively. It was found that, irrespective of the initial value of c, its magnitude increased linearly with increasing total reduction, reached a maximum at 45 to 50% reduction and then remained practically constant. The final value of c depended only on its initial value and on the total reduction of the strip, being practically unaffected by the initial thickness and width of the strip or by the roll diameter. The experimental results were used to derive formulae expressing the final thickness of the iron layer in a bimetal strip as a function of the initial value of c and vice versa. In the

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S/136/62/000/012/001/001
E081/E483

A study of cold rolling ...

second stage of the investigation the roll pressure in cold rolling of iron/ASM alloy bimetal strip was evaluated. Based on experimental data, formulae were first derived expressing the UTS and 0.2% proof stress of the bimetal strip as a function of the UTS and 0.2% proof stress of the two component materials and the relative thickness of each component layer. These formulae were then used for deriving expressions for the roll pressure whose reliability is proved by the fact that they yielded values differing only by 10 to 15% from experimental data. Analysis of the formulae obtained showed that the roll pressure in rolling bimetal strip is, in addition to the usual factors, greatly affected by the initial value of c and by the difference in the contact friction of the two components of the strip. There are 5 figures.

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TRET'YAKOV, A.V., kand.tekhn.nauk; LOKSHIN, B.Ye., inzh.; TROFIMOV, G.K., inzh.

Changes in the mechanical properties of steel and power consumption during cold rolling on a 1680 reversing mill. Sbor. st. NIITTAZHMASH Uralmashzavoda no.61250-254 '65.
(MIRA 18:11)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

MELIK-STEPANOV, Yu.G.; SOKHIN, Yu.M.; TROFIMOV, G.N.

Jigging of ores containing valuable minerals having a specific gravity of 3 - 4. Nauch. soob. IAFAN SSSR no.3:47-49 '60. (MIRA 16:3)

(Ore dressing)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

S/122/60/000/009/001/015
A161/A026

AUTHORS: Balovnev, G.G., Candidate of Technical Sciences; Trofimov, G.S., Engineer

TITLE: Selecting the Rational-Section Shape for Thin-Walled Profiles

PERIODICAL: Vestnik mashinostroyeniya, 1960, No. 9, pp. 3 - 7

TEXT: The problems of selecting the rational shape of light iron profiles (angle and U-iron) has previously been treated by the authors (Ref. 1, "Vestnik mashinostroyeniya No. 4, 1959). In subject article a calculation method is suggested using a "cross-section shape coefficient method". Practical recommendations are given for calculations for three different load conditions: longitudinal bending load, twisting and bending with twist. The work has been carried out for the Laboratoriya prochnosti i rascheta s.-kh mashin (Laboratory of Strength and Calculations of Agricultural Machines) of VISKhOM. The calculation formulas are brought into simplified form for practical use by designers and sets of curves are given by which the relative height function (height of the wall) m and relative flexibility value λ may be found using the calculated total normal stress in critical section. Three practical calculation examples are given: 1)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

S/122/60/000/009/001/015
A161/A026

Selecting the Rational-Section Shape for Thin-Walled Profiles

Finding the cross section dimensions for a rational-shape U-bar, with compressive force of 1,000 kg applied to the center axis of a 1 m long vertical bar; 2) finding the section dimensions of an optimum-shape U-bar of 1 m length under the effect of 25 kg moments applied to each end with the ends reinforced by elements welded on, and the permissible stress being σ = 1,600 kg/cm^2; 3) finding the rational section dimensions for a U-bar on two supports under a 3-ton load applied to the bar middle, σ = 1,600 kg/cm^2. The purpose of the method is to eliminate the waste of metal through using excessive strength reserves. There are 6 figures.

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

BALOVNEV, G.G., kand.tekhn.nauk, dotsent; TROFIMOV, G.S., inzh.

Selecting efficient cross sections for thin-walled bent sections. Vest.mash. 40 no.9:3-7 S '60. (MIRA 13:9)
(Steel Structural)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

KOTOVICH, O.Ye., kand. tekhn. nauk; TROFIMOV, G.S., kand. tekhn. nauk; MATVEYEV, A.P., inzh.

Calculating frame rods of agricultural machinery for torsion. Trakt. i sel'khozmash. no.6:31-34 Je '65. (MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya (for Kotovich). 2. Bashsel'khozinstitut (for Trofimov). 3. Kuybyshevskiy sel'skokhozyaystvennyy institut (for Matveyev).

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

BALOVNEV, G.G., kand.tekhn.nauk, dots.; SINYAGOVSKIY, I.S., kand.tekhn. nauk, dots.; TROFIMOV, G.S., inzh.

Experimental investigation of the strength and rigidity of thin-walled bent sections. Trudy MIMESKH 9:129-144 '59. (MIRA 13:11)
(Elastic plates and shells)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

SINYAGOVSKIY, I.S.; TROFIMOV, G.S.; KOZLOV, A.M., kand. tekhn. nauk, retsenzent; LEYTIN, G.S., inzh., red.; SOKOLOVA, T.F., tekhn. red.

[Thin-walled bent profiles in the manufacture of agricultural machinery; fundamentals for the design of efficient forms] Tonkostennye gnutye profili v sel'skokhoziaistvennom mashinostroenii; osnovy proektirovaniia ratsional'nykh form. Moskva, Mashgiz, 1963. 199 p. (MIRA 16:8)

(Agricultural machinery--Design and construction)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

GOROSHCHENKO, Ya.G.; MOTOV, D.L.; TROFIMOV, G.V.

Studying the rapidity of revealing by sulfuric acid of loparite, perovskite and sphene concentrates. TSvet. met 33 no. 12:38-42 D '60. (MIRA 13:12)

(Nonferrous metals) (Ore dressing)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

SOV/122-59-4-1/28

AUTHORS: Balovnev, G.G., Cand. Tech.Sci., Docent , and Trofimov, G.S., Engineer.

TITLE: On Efficient Cross-Sectional Shapes of Thin-Walled,Bent Profiles (O ratsional'nykh formakh secheniy tonkostennykh gnutykh profiley)

PERIODICAL: Vestnik Mashinostroyeniya, 1959, Nr 4, pp 3-10 (USSR)

ABSTRACT: Bent profiles are up to 1.5 times stronger and up to 2 times stiffer than rolled profiles of the same weight. The analysis of their structural efficiency is presented using specially defined "Form Factors". The special properties of thin walled sections must be taken into account. Vlasov, V.Z., Corresponding Member, AN SSSR, in "Thin-walled elastic bars", (Tonkostennyye Uprugiye Sterzhni), Stroyizdat, 1940, has given the most complete analysis which requires the computation of 9 geometric quantities. All these can be expressed in terms of the thickness and width of the original strip from which the profile has been bent, together with form factors depending only on the shape of the profile. Three factors (k_1, k_2 and k_3) transform the moment of inertia of the original strip into the three moments of inertia

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SOV/122-59-4-1/28

On Efficient Cross-Sectional Shapes of Thin-walled Bent Profiles

of the profile. Another three factors (k_4, k_5 and k_6) have the same function in transforming the section modulus of the strip into three section moduli of the profile. k_7 expresses the position of the centre of gravity and k_8 that of the centres of shear. k_9 expresses the flexure-torsion modulus. The form factors are non-dimensional and depend solely on the profile shape. For example, in a simple channel, all nine form factors can be expressed, solely in terms of the ratio between the channel height and the strip width. They are plotted in Figs 2, 3 and 4 against this ratio (relative channel height). Examining structural efficiency under central compression, the 3 forms of loss of stability, namely the flexural, the flexural-torsional and the torsional, are considered. The critical loads are given in terms of a generalized critical load which is that of the original strip in Euler buckling. The critical load factor is the ratio of each special critical load of the profile to the generalised critical load of the strip. The critical load factors applying to the 3 forms of instability in a

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channel are plotted in Fig 5 against the relative channel height. The critical load factor in flexural-torsional instability depends on a slenderness parameter of the original strip, several values of which are used in the family of critical load factor curves plotted against the relative height of the channel. A maximum value of the original load factor as defined is the criterion of the optimum shape of the profile. These relations and definitions make it possible to distinguish regions of geometric parameter combinations in which any one form of loss of stability is predominant. Thus the optimum shape of the profile can be found. Numerical examples are given for channel, top hat, half-round and "bowler hat" sections. When the column length is 10-25 times the width of the original strip and the profile thickness is 2% of the width, the optimum values of the relative channel height are 0.31 - 0.44 for the simple channel, 0.28 - 0.36 for the channel with inward bent edges, 0.21 - 0.41 for the top hat section, 0.37 - 0.6 for the half-round section and 0.44 - 0.6 for the "bowler hat" section. Values of the critical load factor for the

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SOV/122-59-4-1/28

On Efficient Cross-Sectional Shapes of Thin-walled, Bent Profiles

different types of profile at different column slenderness parameters are compared in Table 1. At a slenderness parameter of 0.1, the most efficient is the channel with inward bent edges and the least efficient the half-round section. At a slenderness parameter of 0.4, the most efficient is the half-round section and the least efficient the channel section with inward bent edges. In free-torsion, the shear stress and twist depend on the polar moment of inertia wherein the bent profile differs little from the original strip. Experimental values for the 5 types of profile examined show factors between 1.06 and 0.82 (tests carried out by the Stress Analysis Chair of the MINESKh with the authors' participation). The most efficient is the simple channel profile. In constrained torsion, either one or both end sections may be prevented from warping. The stress and twist differ from those in free torsion by appropriate factors. Each factor is expressed in terms of form factors and a slenderness parameter (product of the strip thickness and bar length divided by the square of the original strip width). The stress

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SOV/122-59-4-1/28

On Efficient Cross-Sectional Shapes of Thin-walled, Bent Profiles

and twist factors for different slenderness parameters are plotted against the relative channel height in Fig 7 (both ends prevented from warping) and Fig 8 (one end prevented from warping). The most efficient profiles are those with the least value of the stress and twist factors. Their minimum values are tabulated together with the associated relative channel height for the different types of profile in Table 2, showing that the slenderness parameter has a relatively small effect. The differences in the stress factors are small. The least twist factor occurs in the channel section with inward bent edges (1.0). The largest twist factor, in the "bowler hat" section (3.27). Efficiency in bending is judged by the section modulus factors (Fig 3). When bending about the axis of symmetry, maximum efficiency (k_4) occurs at a relative channel height of 0.7 - 0.8 in a simple channel, at 0.8 in a top hat section and in a channel with inward bent edges, and at 0.64 in a half-round and "bowler hat" section. When bending is associated with torsion, such as under a transverse force not passing through the shear centre, the

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On Efficient Cross-Sectional Shapes of Thin-walled, Bent Profiles

derivation of profile efficiency criteria is different for each loading case. Three cases are considered, namely a pure bending moment acting on a cantilever beam, a concentrated force acting on a cantilever beam or a concentrated force, acting on a simply supported beam. In each case, the maximum stress and maximum twist are expressed in formulae (Eqs 8, 9 and 10). Stress and twist factors are defined and the previously defined slenderness parameter is taken into account. The stress and twist factors are plotted in Figs 9 and 10 against the relative channel height for different load eccentricities but at a constant slenderness parameter. The lowest value of the stress or twist factor is a criterion of efficiency. Comparison of different profiles shows that the channel with inward bent edges is the most efficient, and the top hat section the least efficient when bending is accompanied by torsion. Generally, tall profiles are efficient but lateral stability must be separately examined. The most efficient profile would be at the limit of lateral stability, for which a method of analysis due to Vlasov is used.

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On Efficient Cross-Sectional Shapes of Thin-walled, Bent Profiles

Introducing the non-dimensional relative strip thickness and relative strip length (flexibility), the limiting relative strip length is plotted against the relative channel height at different constant relative thicknesses (Fig 11). These graphs refer to a channel section and to the first and third loading cases. It is seen that the limiting length drops sharply with the relative channel height and thus lateral stability constitutes a limiting factor in the choice of the most efficient channel height in bending with torsion. Table 3 compares a standard rolled channel profile with a bent channel and with a bent channel having inward bent edges. For the same cross-sectional area, the critical strut load in central compression can be up to 2.14 times larger in the bent profile compared with the rolled, and the stress in bending with torsion can be less than half.

There are 11 figures, 3 tables and 4 Soviet references.

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SINYAGOVSKIY, I.S., kand.tekhn.nauk, dotsent; TROFIMOV, G.S., kand. tekhn.nauk

Reducing the weight of agricultural machinery and equipment [with summary in English]. Izv. TSKhA no.2:198-200 '61. (MIRA 14:8)

(Agricultural machinery)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

SINYAGOVSKIY, I.S., dots.; TROFIMOV, G.S., inzh.

Simplifying the design of thin-walled bent rods. Trudy MIMESKH 12:244-251 '60. (MIRA 13:9)
(Elastic rods and wires)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

BALOVNEV, G.G., dots.; SINYAGOVSKIY, I.S., dots.; TROFIMOV, G.S., inzh.

Experimental investigation of efficient shapes for thin-walled bent sections. Trudy MIMESKH 12:252-258 '60. (MIRA 13:9)
(Girders--Testing)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

BALOVNEV, G.G., dots.; TROFIMOV, G.S., inzh.

Selecting efficient shapes for thin-walled bent sections. Trudy MIMESKH 12:259-267 '60. (MIRA 13:9)
(Girders)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G. S. Cand Tech Sci -- (diss) "Theoretical and experimental study of curved thin-walled ~~profiles~~ shelves used in agricultural machines." Mos, 1959. 24 pp with graphs (Min of Agr USSR. Mos Inst of Mechanization and Electrification of Agriculture), 150 copies (KL, 52-59, 122)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

KOTOVICH, G. Ye., kand. tekhn. nauk; TROFIMOV, G.S., kand. tekhn. nauk

Optimal forms for bank profiles strengthened with transversal bars. Trakt. i sel'khozmash. no.12:28-[illegible] D '[illegible] (MIRA [illegible])

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya (for Kotovich). 2. Rostovskiy sel'skokhozyaystvennyy institut (for Trofimov).

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, Grigoriy Terent'yevich; IYEVLEVA, T.A., red.; DONSKAYA, G.D., tekhn.red.

[Highway construction on permafrost] Stroitel'stvo avtomobil'nykh dorog v usloviiakh mnogoletnei merzloty. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transporta i shosseinykh dorog RSFSR, 1960. 43 p. (MIRA 13:5)
(Road construction--Cold weather conditions)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

PINASHIN, A. M., TROFIMOV, G. V.

Iron Mines and Mining - Magnitogorsk

Organization of waste piling at the Magnitogorsk mine. Mekh. trud. rab. 6 No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952 1953, Uncl.

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

1. TROFIMOV, G. V. Eng.

2. USSR (600)

4. Various systems for the formation of terraces. Gor zhur. no. 11, 1952.

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

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.V.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953 (Sovetskaya Kultura, Moscow, No. [illegible], [illegible] Feb - [illegible] Apr [illegible]).

Name	Title of Work	Nominated by
Zurkov, P.E. Popov, S. I. Gologin, G.M. Karpov, A.F. Nikol'skiy, N.A. Shitov, I.S. Bulychev, V.V. Ogiyevskiy, V.M. Treyvus, M.N. Shtremt, A.A. Trofimov, G.V. Pushkarev, G.I. Markman, N.Ye. Tikhovidov, I.I	"The Working of Iron Ores by the Open Pit Method"	Magnitogorsk Mining Metallurgical Institute imeni G.E. Nosov

SOV W-30604, 7 July 1954

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, Georgiy Vladimirovich; PINASHIN, Aleksandr Nikiforovich; YEFANOV, N.I., inzhener, retsenzent; MARTYNOV, G.P., redaktor; YEZDOKOVA, M.L., redaktor izdatel'stva; BERLOV, A.P., tekhnicheskiy redaktor

[Progressive experience in the organization and production of dump work at the Magnitogorsk open-cut iron mine] Peredovoi opyt organizatsii i proizvodstva otval'nykh rabot na magnitogorskom zhelezorudnom kar'ere. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1956. 73 p. (MLRA 9:11)

(Dumping appliances)
(Magnitogorsk--Strip mining)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

BABKIN, A.G.; TROFIMOV, G.V.; GOROSHCHENKO, Ya.G.

Manufacturing laboratory equipment from polythene. Zav.lab. 26 no.3:380-381 '60. (MIRA 13:6)

1. Kol'skiy filial Akademii nauk SSSR.
(Laboratories--Equipment and supplies)
(Ethylene)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

GOROSHCHENKO, Ya.G.; MOTOV, D.L.; TROFIMOV, G.V.; BELOKOSKOV, V.I.

Testing a continuous method for the sulfuric acid decomposition of titanium-niobium concentrates. Izv.Kar.i Kol'.fil. AN SSSR no.4:135-141 '59. (MIRA 13:5)

1. Laboratoriya khimicheskoy tekhnologii Kol'skogo filiala AN SSSR.
(Sulfuric acid) (Titanium-niobium ores)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

GOROSHCHENKO, Ya.G.; MOTOV, D.L.; TROFIMOV, G.V.

Laboratory experiments on the processing of sphene concentrate by fusion with ammonium sulfate and sulfuric acid. Sbor.trudov po khim.tekhnol.min.syr'ia Kol'.poluos. no.1:67-78 '59. (MIRA 12:5)

(Sphene) (Ammonium sulfate) (Sulfuric acid)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

GOROSHCHENKO, Ya.G.; MOTOV, D.L.; TROFIMOV, G.V.

Extended laboratory experiments on the fusion of sphene concentrate with ammonium sulfate and sulfuric acid. Sbor. trudov po khim.tekhnol.min.syr'ia Kol'.poluos. no.1:79-100 '59. (MIRA 12:5)

(Sphene) (Titanium oxides) (Niobium)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, G.V.

5(2) PHASE I BOOK EXPLOITATION SOV/2015

Akademiya nauk SSSR. Kol'skiy filial

Sbornik trudov po khimicheskoy tekhnologii mineral'nogo syr'ya Kol'skogo poluostrova, vyp. 1 (Collection of Works on Chemical Technology of Minerals of the Kola Peninsula, Nr 1) Moscow, Izd-vo AN SSSR, 1959. 221 p. 1,200 copies printed. Errata slip inserted.

Resp. Ed.: B.N. Melent'yev, Candidate of Geological and Mineralogical Sciences; Ed. of Publishing House: B.M. Mrkus; Tech. Ed.: E. Yu. Bleykh.

PURPOSE: The book is intended for scientists and technicians concerned with the extraction of tantalum, niobium, and rare metals.

COVERAGE: The book deals with a study of a complex treatment of the perovskite and sphene concentrates. The first three articles cover methods of extraction of titanium dioxide from the perovskite concentrate with side recovery of niobium, tantalum, and rare earths. The treatment of sphene concentrate is discussed in two articles. The separation of titanium, niobium, and tantalum is described in a separate article. The problem of selecting an efficient

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technological procedure is discussed in the last article. No personalities are mentioned. There are 31 references: 25 Soviet, 3 English, and 3 German.

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Goroshchenko, Ya. G., D.L. Motov, and G.V. Trofimov. Laboratory Experiments on the Treatment of Sphene Concentrate by Fusion With Ammonium Sulfate and Sulfuric Acid 67

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, Georgiy Vladimirovich, dots.; POSYAKOV, Yuriy Nikolayevich, dots. Primimal uchastiye MOSHKILEV, M.Ya., inzh.; ZURKOV, P.E., prof., doktor tekhn. nauk, red.

[Collection of problems on open-pit mine haulage] Sbornik zadach po kar'ernomu transportu. Moskva, Nedra, 1965. 203 p. (MIRA 18:11)

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Peredovoy Opyt Organizatsii I Proizvodstva Otval'nykh Rabot Na Magnitogorskom Zhelezorudnom Kar'yere (Advanced Experiments in Organization and Production of Dump Operations in the Magnitogorsk Iron-Ore Quarries, by) G. V. Trofimov I A. N. Pimenchin. Moskva, Metallurgizdat, 1956.
73 P. Diagrs., Graphs, Tables (Peredovyye Metody Truda)

AVS

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PROCESSES AND PROPERTIES INDEX

Welding and cutting metals with gasoline gas and oxygen. I. TROFIMOV AND V. KORBPANOV. *Gromenskii Neftyanik* 1, No. 8-10, 96-102(1931). - Less gasoline gas is consumed in cutting metals than acetylene. The flame temp. of the gasoline gas is approx. 3000° while that of acetylene is 3650°. This causes the metal to burn, thus producing faulty seams. An overheating which is easily caused by acetylene-O mixts causes a change in the structure of metals decreasing their strength. Various metals were welded successfully with gasoline requiring smaller quantities of fuel. Various calcns. are given.

A. A. BOBHTLINGK

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Fusion welding of pipe lines. I. I. TROFIMOV. *Grozneuskii Neftyanik* 1, 4-8, 84-91(1931).—Various defects in acetylene and elec. arc welding of pipe lines caused by overheating, etc., with particular reference to the structure and the strength of metal are described in detail.

A. A. BOEHTLINGK

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

KHREBTOV, Ye.; TROFIMOV, I.

For communist labor. Metallurg 8 no.4:4-5 Ap '63. (MIRA 16:3)
(Iron and steel workers)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, I.

Improve the training of mechanizers. Prof.-tekh. obr. 14 no.2:21-22 F '57. (MIRA 10:4)

1. Zamestitel' sekretarya partbyuro uchilishcha mekhanizatsii sel'skogo khozyaystva no.15, Gorodnenskaya oblast'.
(Farm mechanization--Study and teaching)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, I. (g. Grodno)

Efficacy of the studies of political sciences. Prof.-tekh.obr. 13 no.2:25 F '56. (MLRA 9:5)

1. Prepodavatel' uchilishcha mekhanizatsii sel'skogog khozyaystva No. 15.
(Communist education) (Technical education)

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2)

Automation of Cold [Metal] Stamping Production SOV/5580

COVERAGE: The collection contains reports delivered at the Kiyev Scientific and Technical Conference by workers of machine and instrument plants, design organizations, and scientific research and educational institutes. The Conference was sponsored by the Kiyevskoye oblastnoye pravleniye Nauchno-tekhnicheskogo obshchestva mashinostroitel'noy promyshlennosti (Kiyev Oblast Administration of the Scientific and Technical Society of the Machine-Building Industry) and by the Ukrainskoye respublikanskoye pravleniye Nauchno-tekhnicheskogo obshchestva priborostroitel'noy promyshlennosti (Ukrainian Republican Administration of the Scientific and Technical Society of the Instrument-Making Industry). The purpose of the Conference was to discuss the achievements and practical experience (especially at the Gor'kiy Automobile Plant, the VEF Plant, and Leningrad factories) in the automation of stamping production. The Conference also served to acquaint a wide number of machine and instrument builders with the present state of automation in these fields and with the prospects for its further development. Papers dealing with experience in the design and operation of automatic devices, presses, and automatic production lines used in stamping production were discussed. No personalities are mentioned. References accompany most of the articles.

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2)

PHASE I BOOK EXPLOITATION SOV/5580

Golubev, T.M., Doctor of Technical Sciences, Professor, and I.P. Tartakovskiy, Candidate of Technical Sciences, Docent, eds.

Avtomatizatsiya kholodnoshtampovochnogo proizvodstva (Automation of Cold [Metal] Stamping Production) Moscow, Mashgiz, 1961. 282 p. 6,000 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov UkrSSR Institut tekhnicheskoy informatsii. Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti. Kiyevskoye oblastnoye pravleniye. Nauchno-tekhnicheskoye obshchestvo priborostroitel'noy promyshlennosti. Ukrainskoye respublikanskoye pravleniye.

Ed.: M.S. Soroka; Tech. Ed.: M.S. Gornostaypol'skaya; Chief Ed.: (Southern Dept. Mashgiz): V.K. Serdyuk, Engineer.

PURPOSE: This collection of articles is intended for workers at machine and instrument plants and scientific research and design institutes.

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Automation of Cold [Metal] Stamping Production SOV/5580

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TROFIMOV, I.D.

Automatic straightening and cropping machines. Kuz.-shtam. proizv. 4 no.3:26-32 Mr '62. (MIRA 15:3)
(Metalworking machinery)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, I.D.

"Automatic production of threaded fastenings" by V.I. Zagurskii. Reviewed by I.D. Trofimov. Kuz. shtam. proizv. 4 no.11:47 N '62. (MIRA 15:11)

(Forging machinery)
(Zagurskii, V.I.)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, I.D.

Modern multiposition upsetters and means of their efficient use. Kuz.-shtam.proizv. 5 no.8:24-29 Ag '63. (MIRA 16:9)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, I.D.

Selecting the type of mechanical transmission for press forging machines. Kuz. shtam. proizv. 3 no. 5:19-21 My '61. (MIRA 14:5)
(Forging machinery--Transmission devices)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, I.D.

Stamping hammers. Kuz.-shtam. proizv. 1 no.7:42-43 Jl '59.
(MIRA 12:10)

(Forging machinery)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, I.D.; PAVLOV, V.A.

Equipment for manufacturing pitch anchor and supporting chains.
Stan i instr. 28 no.10:29-32 O '57. (MLRA 10:11)
(Chains)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

ZLOTNIKOV, S.L.; TROFIMOV, I.D.

"Forging and pressing equipment" by P.V.Suslov. Reviewed by S.L.Zlotnikog, I.D.Trofimov. Vest.mash. 37 no.10:86-87 O '57. (MIRA 10:11)

1. Nachal'nik otdela avtomaticheskikh liniy TSentral'nogo konstruktorskogo byuro mashinostroyeniya (for Zlotnikov). 2. Nachal'nik otdela mekhanicheskikh pressov i avtomatov TSentral'nogo konstruktorskogo byuro mashinostroyeniya (for Trofimov).

(Forging machinery) (Power presses)

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

TROFIMOV, I.D.; PAVLOV, V.A.; ZLOTNIKOV, S.L., inzh., retsenzent

[Chain manufacturing equipment] TSepedelatel'noe oborudovanie. Moskva, Mashinostroenie, 1965. 140 p. (MIRA 18:3)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756620019-4

MAKAROV, P.O., KESAREVA, Ye.P., RAKHMILEVICH, L.S., TROFIMOV, I.G.,

Nikolai Aleksandrovich IUdenich; an obituary. Fiziol.zhur. 44 no.6:606 Je '58 (MIRA 11:7)

(IUDENICH, NIKOLAI ALEKSANDROVICH, 1900-1958)

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