

TROFIMOV, V.A.

Demonstration of the time dependence of the path of the
path of free fall of bodies. Izv. vys. ucheb. zav.; fiz.
no. 3:163 '64. (MIRA 17:9)

1. Odesskoye vyssheye opshchevoyskovoye komandnoye uchilishche.

KAMINSKIY, V.S., kand.tekhn.nauk; TROFIMOV, V.A., inzh.; SHLAU, A.V., inzh.

Vibrating filter centrifuge for dewatering coal. Khim.
mash. no.6:4-6 N-D '61. (MIRA 15:2)
(Coal preparation--Equipment and supplies)
(Centrifuges)

TROFIMOV, V.A., inzh.

Measuring lateral forces acting on the frame of a crawler tractor
in turning. Trakt. i sel'khoz mash. no.5:7-8 My '65.

(MIRA 18:6)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktorny
institut.

VIGDORCHIK, V.M.; TROFIMOV, V.A.

Indicator of axial stresses. Izv. Vkh. no.4:55 Ap '69.
(MIRA 18:7)

L00906-66 EWT(m)/EPF(c)/EWG(m)/EWP(j) RPL DS/WW/RM

ACCESSION NR: AP5019674

UR/0064/65/000/008/0566/0568

547.391.3:542.951.34:542.973:661.183.123.2

AUTHORS: Trofimov, V. A.; Isagulyants, V. I.

TITLE: Synthesis of methacrylic acid esters in the presence of ion exchange resin KU-2 as a catalyst

SOURCE: Khimicheskaya promyshlennost', no. 8, 1965, 566-568

TOPIC TAGS: ester, methacrylic acid, resin, catalyst, ion exchange, inhibitor/ KU-2 resin

ABSTRACT: A continuous process for production of higher esters of methacrylic acid is described. It involves transesterification of methylmethacrylate (I) with n-nonyl alcohol (II), using cation exchange resin KU-2 as a catalyst. A schematic drawing of the transesterification plant is shown in Fig. 1 on the Enclosure. The starting materials (molar ratio of I:II is 3:1), containing 1% by weight of hydroquinone as an inhibitor, are heated to 85C in the heat exchanger 3 and fed into the reactor 4 at a rate of 0.6-0.8 ml/g-hour. The reactor is packed with resin KU-2 and is steam heated to maintain the reaction temperature at 105-108C. Azeotropic mixture of methanol with I is removed from the reactor, condensed in 6, Card 1/4

L00906-66

ACCESSION NR: AP5019674

and collected in vessel 8. The crude ester-containing product is passed through vessel 7 and heat exchanger 10 into column 11, where I is distilled off at 55C and 100 mm Hg, cooled, and returned into the cycle. The distillation residue is cooled in tank 11, to 30C and passed through column 15 (filled with anionite AV-16 or AV-17) which removes the hydroquinone inhibitor. The crude nonyl methacrylate produced can be further processed. Yields of 92-94% are obtained in the continuous process. A simple apparatus made of carbon steel can be employed. Orig. art. has: 3 tables and 2 figures.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 02 SUB CODE: CC, CC

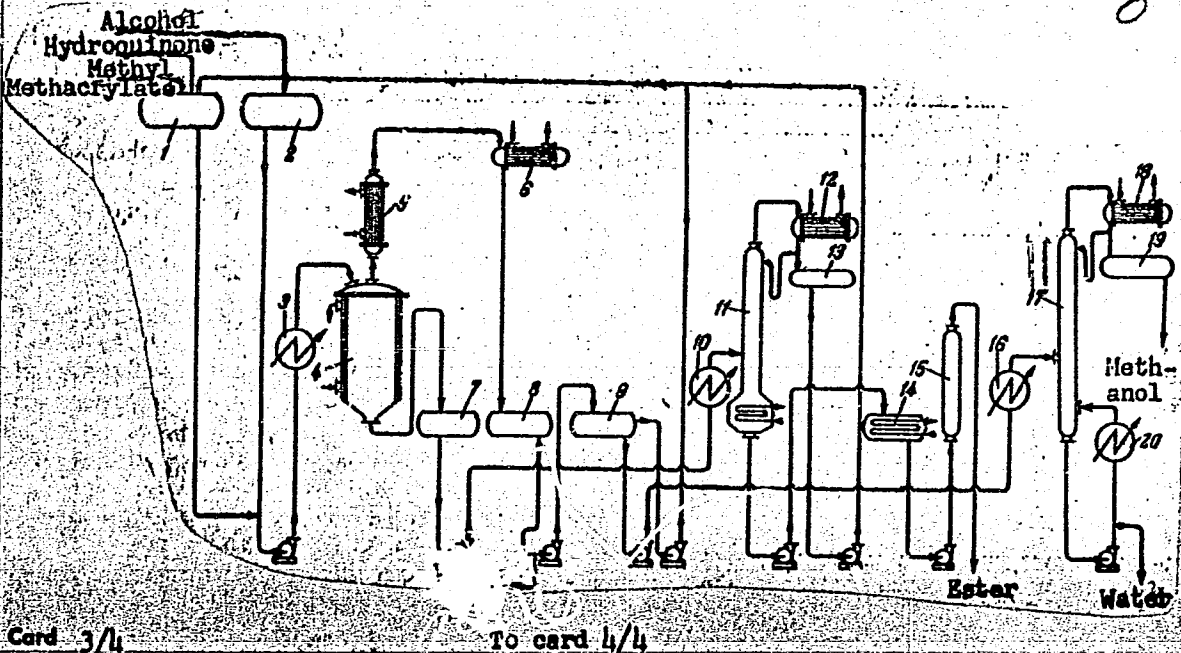
NO REF SOV: 001 OTHER: 009

Card 2/4

L00906-66

ACCESSION NR: AP5019674

ENCLOSURE: 01



L00906-66

ACCESSION NR: AP5019674

To card 3/4

ENCLOSURE: 02

Fig. 1. Diagram for production of methacrylic esters.

1- tank for I; 2- vessel containing higher alcohol;
3, 10, 16, and 20- heat exchangers; 4- reactor;
5- fractionating column; 6, 12, and 18- coolers;
7 and 8- holding tanks; 9- settler; 11- vacuum
column; 15- anion exchange purifier; 17- fraction-
ating tower; 19- methanol collector

Card 1/4 *DP*

TROFIMOV, V.A.

Striving for 30,000 meters a year. Neftianik 7 no.7:9-10 JI '62.
(MIRA 1613)

1. Starshiy inzh. Tsentral'nogo byuro tekhnicheskoy informatsii
Bashkirskogo soveta narodnogo khozyaystva.
(Tuymazy region--Oil-well drilling)

TROFIMOV, V.A.; SEMENOV, V.V.

Some lecture demonstrations. Usp. fiz. nauk 79 no.4:745-749 Ap
'63. (MIRA 16:3)

(Physics--Study and teaching)

TROFIMOV, Vladimir Andreyevich, kand.med.nauk; SHCHERBAKOVA, G.A., red.;
GULYAYEVA, T.S., tekhn.red.

[Tobacco is the enemy of health] 'Tabak - vrag zdorov'ia. Leningrad, Gos.izd-vo med.lit-ry Medgiz, Leningr.otd-nis, 1959. 36 p.
(MIRA 14:5)

(TOBACCO--PHYSIOLOGICAL EFFECT)

MUKHAMETOVA, G.M., otv. red.; GIMADEYEV, M.M., otv. za vypusk;
GELLER, L.I., red.; MIKHAYLETS, G.A., red.; TROFIMOV, V.A.,
red.

[Materials of the Scientific Conference Devoted to Problems of
Work Hygiene, Professional Pathology, and Industrial Toxicology
in Petroleum and Petrochemical Industries] Materialy Nauchnoy
konferentsii, posviashchennoy voprosam gigeny truda, professio-
nal'noi patologii i promyshlennoi toksikologii v neftianoi i nefte-
khimicheskoi promyshlennosti, Ufa, M-vo zdravookhr.RSFSR, 1961. 200 p.

1. Nauchnaya konferentsiya, posvyashchennaya voprosam gigeny truda
professional'noy patologii i promyshlennoy toksikologii v neftyanoy
i neftekhimicheskoy promyshlennosti, 1961. 2. Ufimskiy nauchno-
issledovatel'skiy institut gigeny i profzabolevaniya (for Trofimov).

(MIRA 16:8)
(MEDICINE, INDUSTRIAL--CONGRESSES)

(PETROLEUM CHEMICALS)

(PETROLEUM INDUSTRY--HYGIENIC ASPECTS)

TROFIMOV, V.A.

Prevention of the injurious effect of noise from centrifugal pumps on the nervous system and hearing in petroleum workers. Kaz. med. zhur. no.1:79-81 Ja-F '62. (MIRA 15:3)

1. Ufinskiy nauchno-issledovatel'skiy institut g'igiyeny i professional'nykh zabolevaniy.

(NOISE--PHYSIOLOGICAL EFFECT)
(PETROLEUM WORKERS--DISEASES AND HYGIENE)

TROFIMOV, V.A., inzh.

Studying the load acting on the pins of the frame of a
high powered crawler tractor. Trakt. i sel'khoz mash. no.11:
17-19 N '65. (MIRA 18:12)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktorny
institut.

SHLAU, A.V.; ZARUBIN, L.S.; TROFIMOV, V.A.

[Filtrating centrifuges for the dewatering of coal]
Fil'truishchie tsentrifugi dlia obezvozhivaniia uglia.
Moskva, Nedra, 1965. 134 p. (MIRA 18:5)

TEOFIMOV, V.D., prepodavatel' fiziki.

Study of the mechanisms of rotary movement transmissions. (MLRA 10:5)
Politekh. obuch. no.3:44-49 Mr '57.

1. Srednyaya shkola No. 27, goroda Riga.
(Gearing)

TROFIMOV, V.G., inzhener; SERGEYEV, A.S., inzhener.

New maintenance methods for trolley buses. Gor.khoz.Mosk. 23 no.11:31-35
N '49. (MLBA 6:11)
(Trolley buses)

TROFIMOV, V. G.

37482. TROFIMOV, V. G. i SERGEEV, A. S. *Novyye Metody Tekhnicheskoy Eksploataatsii Trolleybusov. Gor. Khoz-vo Moskvy*, 1949, No. 11, s. 31-35.

SO: *Letopis' Zhurnal'nykh Statey*, Vol. 7, 1949

MATVEYEV, S.M., arkhitekt; STRAVINSKAYA, G.A., inzh.-ekonomist;
SEGEDINOV, A.A., inzh.; SHAFRAN, V.L., inzh.; TROFIMOV, V.G.,
zhurnalist; YEVSTRATOV, N.F., nauchnyy red.; MYASOYEDOV, B., red.;
SHLYK, M., tekhn. red.

[The new boundaries of Moscow] Moskva v novykh granitsakh.
Moskva, Mosk. rabochii, 1962. 151 p. (MIRA 15:7)

1. Institut general'nogo plana g. Moskvy (for Matveyev,
Stravinskaya, Segedinov, Shafran Trofimov)
(Moscow--Guidebooks)

TROFIMOV, V.I.

Mining

AGALINA, M.S., inzh.; AKUTIN, T.K., inzh.; APRESOV, A.M., inzh.; ARISTOV, S.S., kand. tekhn. nauk.; BELOSTOTSKIY, O.B., inzh.; BERLIN, A.Ye., inzh.; BESSKIY, K.A., inzh.; BLYUM, A.M., inzh.; BRAUN, I.V., inzh.; BRODSKIY, I.A., inzh.; BURAKAS, A.I., inzh.; VAYNMAN, I.Z., inzh.; VARSHAVSKIY, I.N., inzh.; VASIL'YEVA, A.A., inzh.; VORONIN, S.A., inzh.; VOYTSEKHOVSKIY, L.K., inzh.; VRUBLEVSKIY, A.A., inzh.; GERSHMAN, S.G., inzh.; GOLUBYATNIKOV, G.A., inzh.; GORLIN, M.Yu., inzh.; GRAMMATIKOV, A.N., inzh.; DASHEVSKIY, A.P., inzh.; DIDKOVSKIY, I.L., inzh.; DOBROVOL'SKIY, N.L., inzh.; DROZDOV, P.F., kand. tekhn. nauk.; KOZLOVSKIY, A.A., inzh.; KIRILENKO, V.G., inzh.; KOPELYANSKIY, G.D., kand. tekhn. nauk.; KORETSKIY, M.M., inzh.; KUKHARCHUK, I.N., inzh.; KUCHER, M.G., inzh.; MERZLYAK, M.V., inzh.; MIRONOV, V.V., inzh.; NOVITSKIY, G.V., inzh.; PADUN, N.M., inzh.; PANKRAT'YEV, N.B., inzh.; PARKHOMENKO, V.I., kand. biol. nauk.; PINSKIY, Ye.A., inzh.; PODLUBNYI, S.A., inzh.; PORAZHENKO, F.F., inzh.; PUZANOV, I.G., inzh.; REDIN, I.P., inzh.; HEZNIK, I.S., kand. tekhn. nauk.; ROGOVSKIY, L.V., inzh.; RUDEMAN, A.G., inzh.; RYBAL'SKIY, V.I., inzh.; SADOVNIKOV, I.S., inzh.; SEVER'YANOV, N.N., kand. tekhn. nauk.; SEMESHKO, A.T., inzh.; SIMKIN, A.Kh., inzh.; SURDUTOVICH, I.N., inzh.; TROFIMOV, V.I., inzh.; FEFER, M.M., inzh.; FIALKOVSKIY, A.M., inzh.; FRISHMAN, M.S., inzh.; CHERESHNEV, V.A., inzh.; SHESTOV, B.S., inzh.; SHIFMAN, M.I., inzh.; SHUMYATSKIY, A.F., inzh.; SHCHERBAKOV, V.I., inzh.; STANCHENKO, I.K., otv. red.; LISHIN, G.L., inzh., red.; KRAVTSOV, Ye.P., inzh., red.; GRIGOR'YEV, G.V., red.; KAMINSKIY, D.N., red.; KRASOVSKIY, I.P., red.; LEYTMAN, L.Z., red. [deceased]; GUREVICH, M.S., inzh., red.; DANILEVSKIY, A.S., inzh., red.; DEMIN, A.M., inzh., red.; KAGANOV, S.I., inzh., red.; KAUFMAN, B.N., kand. tekhn. nauk., red.; LISTOPADOV, N.P., inzh., red.; MENDELEVICH, I.R., inzh., red. [deceased];

(continued on next card)

AGALINA, M.S.... (continued) Card 2.

PENTKOVSKIY, N.I., inzh., red.; ROZENBERG, B.M., inzh., red.; SLAVIN, D.S., inzh., red.; FEDOROV, M.P., inzh., red.; TSYBAL, A.V., inzh., red.; SMIRNOV, L.V., red. izd-va.; PROZOROVSKAYA, L., tekhn. red.

[Mining ; an encyclopedic handbook] Gornoe delo; entsiklopedicheski spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po ugol'noi promyshl. Vol. 3. [Organization of planning; Construction of surface buildings and structures] Organizatsiia proektirovaniia; Stroitel'stvo zdani i sooruzhenii na poverkhnosti shakht. 1958. 497 p. (MIRA 11:12)
(Mining engineering)
(Building)

TROFIMOV, V.I., gornyy inzh.; TRENGVIN, M.A., gornyy inzh.

Mining systems for thin steeply dipping seams with filling and ore
delivery in containers. Gor.zhur. no.2:14-16 F '58. (MIRA 11:3)
(Mining engineering) (Mine filling)

TROFIMOV, V. I. Cand. Tech. Sci.

Dissertation: "Investigation of the Process of Sorting Eggs According Their Quality."
Moscow Inst of Mechanization and Electrification of Agriculture ineni V. K. Malotov,
10 Dec 47.

SO: Vechernyaya Moskva, Dec, 1947 (Project #17836)

17

TRUFIMOV, V. I.
CA

Composition of the oil of *Artemisia austriaca*. V. P. Gol'mov, V. I. Trufimov, and N. M. Afanas'ev (Med. Inst., Stavropol). *J. Gen. Chem.* (U.S.S.R.) 18, 178-8 (1948) (in Russian).—Steam distn. of 300 kg. of the fresh plant gave 350 g. of the oil, which is yellow with a camphor-like odor, d_4^{20} 0.9132, n_D^{20} 1.4631, $[\alpha]_D^{20}$ 0.78°, acid no. 3.3, ester no. 17.5 (70.2 after acetylation). Fractionation in vacuo gave a no. of fractions, b. 53-130°, with 31.6% b. 53-50°, 34.6% b. 61-5°, and 7.7% b. 78-94°, with 13.7 g. residue from a 250-g. charge. The fraction 53-6°, n_D^{20} 1.4616, d_4^{20} 0.8879, contains cineol, as shown by formation of cineol-resorcinol on treatment with 50% soln. of resorcinol; decompn. of the complex by steam distn. from alk. soln. gave cineol, b. 169-73°, while the mother liquor from the complex yielded on distn. over Na a quantity of phellandrene, b. 163-8°. The fraction 61-5°, d_4^{20} 0.9178, n_D^{20} 1.4529, $[\alpha]_D^{20}$ 2.45°, gives a semicarbazone, m. 126-36°, which on decompn. with oxalic acid gave a ketone, b. 198-8°, which appears to be a mixt. of α - and β -tulones, as on treatment with Br in petr. ether it gave the characteristic tribromide, m. 131-2°. The fraction 88-94° on oxidation by Cr oxide gives a semicarbazone identical with the above given one; this indicates that it contained tulol alc. The undistd. residue was shown to contain complex esters of this alc. and stearic and palmitic acids (latter isolated after hydrolysis by alc. KOH).
G. M. Kosolapoff

Chem. Gen. Chem. Stavropol Med. Inst.

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

630MI BOWINV
631277 GUC QNY 191

SHVANG, L.I.; KUDRYASHOV, G.F.; TROFIMOV, V.I.

Registration of fetal heart tones. *Fiziol. zh. SSSR* 42 (MIRA 9:5)
no.1:117-119 Ja 56.

1. Laboratoriya fiziologii Instituta akusherstva i ginekologii
AMN SSSR, Leningrad.

(HEART, embryology,
intrauterine registration of tonus (Rus))

USSR/Cultivated Plants -- Medicinal. Essential Oil-Bearing.
Toxins.

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82564

Author : Gryzlov, V.P., Trofimov, V.I.

Inst : -

Title : Effect of the Dosage of Row Fertilizing on the Yield of
Medicinal Cultures

Orig Pub : Udobreniye i urozhay, 1957, No 8, 43-47

Abstract : Two doses of granular P_2O_5 into the rows (8 and 4 kilo-
grams of P_2O_5 per hectare) were tested under the condi-
tions of the Moscow suburbs on turf-podzolic soils in
pre-planting application under the medicinal plants.
For valerian, Leuzea and digitalis lanata the best dosa-
ge is 8 kilograms/ha, for opium and oil-bearing poppy -
4 kilograms/ha. -- A.Y.A. Zaytseva

Card 1/1

TROFIMOV, V. I.

Atlas konstruktsii avtomobil'nykh pritsepov. Atlas on the construction of automobile trailers. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1948.
98 p. (2-21143)

TL297.T7

1. Automobiles - Trailers.

67811

TROFIMOV, V.I., inzhener.

[Automobile trailers] Avtomobil'nye pritsepy. Moskva, Gos. nauchno-tekhn.
izd-vo mashinostroit. lit-ry, 1953. 174 p. (MLBA 6:10)
(Automobiles--Trailers)

VYSOTSKIY, Mikhail Stepanovich; DOBRYKH, Leonid Ivanovich; SIROTKIN,
Zalya L'vovich; TROFF'OV, V.I., inzh., retsenzent; FAL'KO, O.S.,
inzh., red.; EL'KIND, V.D., tekhn. red.

[Automobile and tractor trailers] Avtomobil'nye i traktornye
pritsepy. Moskva, Mashgiz, 1962. 161 p. (MIRA 15:5)
(Truck trailers)

TROFIMOV, V. I., Candidate of Tech Sci (diss) -- "Investigation of the process of absorption in covered columns under conditions of the beginning of phase inversion". Moscow, 1959. 17 pp (Min Higher Educ USSR, Moscow-Chem Tech Inst im D. I. Mendeleev), 100 copies (KL, No 21, 1959, 117)

TROFIMOV, V. I.

KAFAROV, V.V.; TROFIMOV, V.I.

Performance analysis and design of packed absorption columns for
conditions of developed free turbulence. Zhur.prikl.khim. 30 no.2:
211-221 F '57. (MLRA 10:5)

(Plate towers)

KAFAROV, V.V.; TROFIMOV, V.I.

Analysis of diffusion processes based on the degree of free turbulence. Zhur.prikl.khim. 31 no.12:1809-1816 D '58.

(MIRA 12:2)

(Diffusion)

... / DM
...
... reaction of atomic hydrogen ...

ABSTRACT: This is a condensation ...
...
...
...

TRUFIMOV, V.I.; CHKHEIDZE, I.I.; BUBEN, N.Ya.

Radical concentration limit in the low-temperature radiolysis of
aromatic compounds. Kin. i kat. 5 no.4:736-739 J1-Ag '64.
(MIRA 17:11)

1. Institut khimicheskoy fiziki AN SSSR.

L 04180-67 EWI(m)/EWP(j) JW/RM

ACC NR: AP6029226

SOURCE CODE: UR/0195/66/007/003/0540/0542

AUTHOR: Trofimov, V. I.; Belen'kiy, L. I.; Buben, N. Ya.; Chkheidze, I. I.

51
49
B

ORG: Institute of Chemical Physics, AN SSSR (Institut khimicheskoy fiziki AN SSSR)

TITLE: Free radical formation during radiolysis of organic compounds in the solid state. IV. Radiative free radical yields in certain sulfur-containing compounds

SOURCE: Kinetika i kataliz, v. 7, no. 3, 1966, 540-542

TOPIC TAGS: free radical, radiation chemistry, EPR spectrum, radiation effect

ABSTRACT: Radiative free radical yields (G_R) for hexylmercaptan, dihexyldisulfide, thiophenol, and thiophene and its derivatives were determined by EPR technique. The EPR spectra of the various samples irradiated with electrons having an energy of 1.6 Mev at -115°C to -190°C were taken directly using an EPR-2-IKhF device. The radiative free radical yields were determined from the initial linear portion of the free radical build-up curve. The accuracy of the free radical yields determination was 40%. The radiative free radical yields were found to be equal to 0.4 for hexylmercaptane and dihexyldisulfide, 0.2 for thiophenol, 0.18 for thiophene, and 0.03 for 2-chloro- and 3-bromothiophene. This indicates that the presence of -S-H and -S-S- groups results in great radiation resistance. (For comparison, the radiative free radical yields re-

UDC: 541.15

Card 1/2

L 04180-67

ACC NR: AP6029226

ported in the literature for saturated hydrocarbons and alcohols are 4-5 and 5-8, respectively). The authors thank E. M. Nanobashvili for supplying certain samples and discussion of the results and M. V. Panchvidze for assistance in carrying out the experiments. Orig. art. has: 2 figures, 1 table. 2

SUB CODE: 07/

SUBM DATE: 13May65/

ORIG REF: 012/

OTH REF: 003

Card 2/2 LC

MORIN, V.A., inzh. (Omsk); FEL'DMAN, V.G., inzh. (Omsk);
TROFIMOV, V.I., inzh. (Omsk); EKSEL'RUD, L.I., inzh. (Omsk)

Automation of the group control of a deaerator. Energetik 13
no.11:13-14 N '65. (MIRA 18:11)

TROFIMOV, V.I.; CHKHEIDZE, I.I.; RUBEN, N.Ya.

Limits of concentrations of radicals in simple aromatic compounds.
Zhur.fiz.khim. 39 no.7:1662-1668 J1 '65.

(MIRA 18:8)

1. Institut khimicheskoy fiziki AN SSSR.

BUBEN, N. Ya.; KOLESNIKOVA, R.V.; KUZNETSOVA, N.L.; TROFIMOV, V.I.

Radicals formed during the reaction of atomic hydrogen with
 C_2H_2 . Izv. AN SSSR Ser. khim. no.11:2090-2091 N '64
(MIRA 18:1)

1. Institut khimicheskoy fiziki AN SSSR.

SOSNOVSKIY, I.P. (Moskva); TROFIMOV, V.I. (Moskva)

Lytorhunchus ridgeway. Priroda 52 no.10:96 '63. (MIRA 16:12)

Technology

Peredovye metody raboty na uchastkakh energosnabzheniia (leading work methods in units of power supply). Moskva, Transzheldoriizdat, 1951. 107 p.

Monthly List of Russian Accessions, Library of Congress. November 1952. UNCLASSIFIED

TROFIMOV, V. I.

GRUBER, Leonid Osipovich; PERTSOVSKIY, Lazar' Moiseyevich; ~~TROFIMOV~~
Valentin Ivanovich; LAPIN, V.B., inzhener, redaktor; VERINA, G.P.,
tekhnicheskii redaktor

[Design, operation and repair of electric railroad substations]
Ustroistvo, ekspluatatsiia i remont tiagovykh podstantsii. Moskva,
Gos. transp. shel-dor. izd-vo, 1954. 466 p. [Microfilm] (MLRA 8:3)
(Electric railroads--Substations)

GRUBER, Leonid Osipovich; PERTSOVSKIY, Lazar' Moiseyevich; TROFIMOV,
Valentin Ivanovich; PRUDYUS, A.S., inzhener, redaktor; SIDOROV,
N.I., inzhener, redaktor; KHITROV, P.A., tekhnicheskij redaktor

[Installation, operation and repair of electric traction substations]
Ustroistvo, ekspluatatsiia i remont tiagovykh podstantsii. Izd.2-oe,
dop. i ispr. Moskva, Gos.transp.zhel-dor.izd-vo, 1957. 465 p.
(Electric railroads--Substations) (MLRA 10:9)

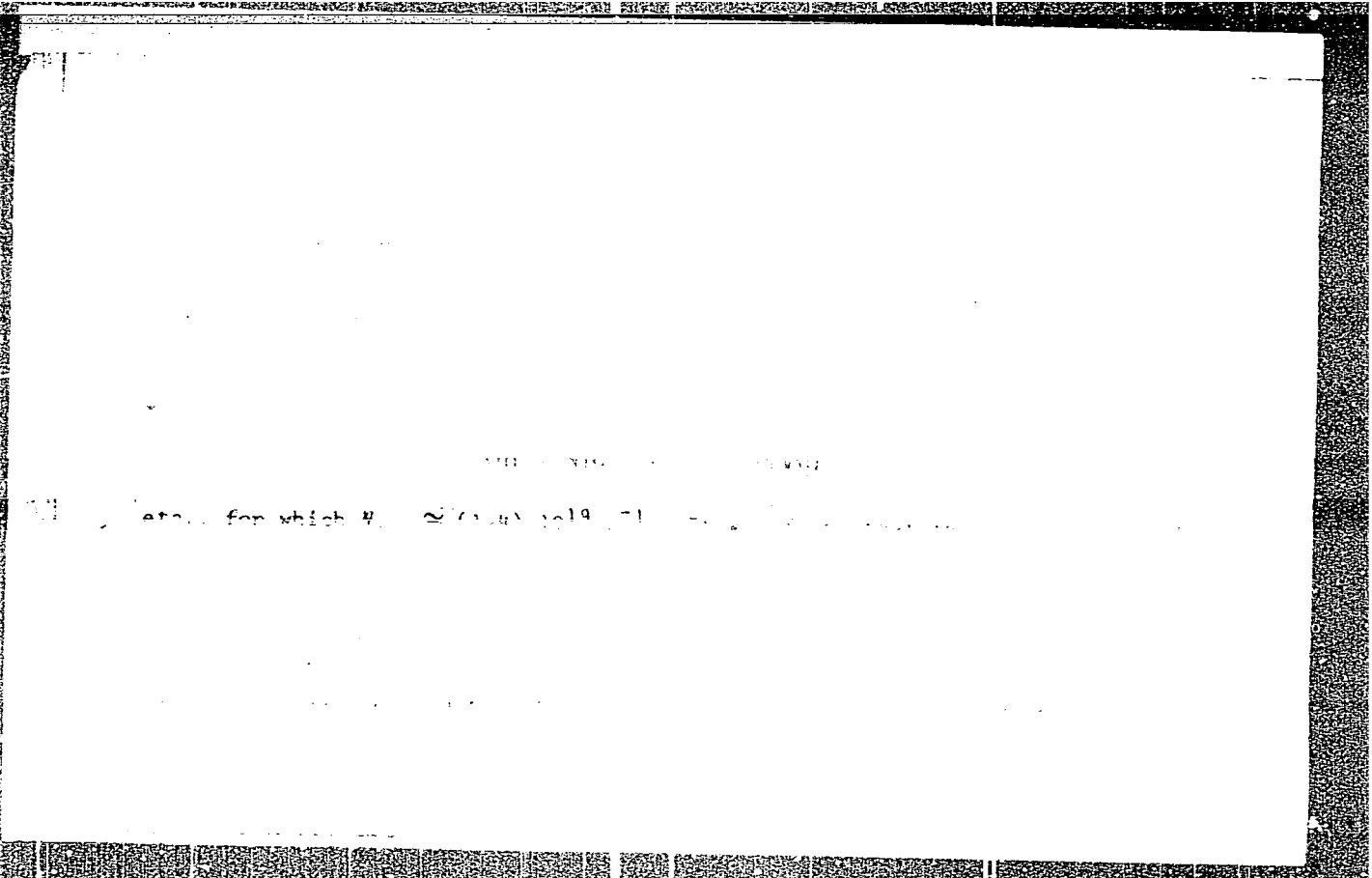
Handwritten:
TROFIMOV, V.I., inzh.

Dry dressing for 35 kv. cables. Elek. i tepl. tiaga no.12:28-29 D '57.
(Electric cables) (MIRA 11:1)

GUBER, Leonid Osipovich; PERTSOVSKIY, Lazar' Moiseyevich; TROFIMOV, Valentin Ivanovich; PROKHORSKIY, A.A., inzh., retsenzent; BELYAYEV, I.A., inzh., red.; MEDVEDEVA, M.A., tekhn. red.

[Layout, installation, and use of traction substations]
Ustroistvo, montazh i ekspluatatsiia tiagovykh podstantsii.
Izd.3., perer. i dop. Moskva, Transzheldorizdat, 1962.
519 p. (MIRA 15:9)

(Electric railroads--Substations)



"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710002-2

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710002-2"

CHKHEIDZE, I.I.; TROFIMOV, V.I.; BUBEN, N.Ya.

Radicals formed in the radiolysis of some benzene derivatives.
Zhur. strukt. khim. 5 no.4:624-627 Ag '64. (MIRA 18:3)

1. Institut khimicheskoy fiziki AN SSSR.

TROFIMOV, V.I. (Moskva)

Design of a compound tetrahedral rod on planks for stability.
Stroi.mekh.i rasch.soor. 5 no.2:41-44 '63. (MIRA 16:6)
(Elastic rods and wires)

TRUFINDOV, V. I.
CENTRAL SCI RES INST OF INDUSTRIAL STRUCTURES (TSNIIP)

TRUFINDOV, V. I. -- "EXPERIMENTAL STUDY OF LIGHT STRUCTURAL STEEL UNDER A TWO-WAY LOAD IN AN ELASTIC-PLASTIC STAGE," SUB 11 NOV 52, CENTRAL SCI RES INST OF INDUSTRIAL STRUCTURES (TSNIIP) (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCES)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

GEMMERLING, A.V., kandidat tekhnicheskikh nauk; TROFIMOV, V.I., kandidat tekhnicheskikh nauk.

Testing a model of the framework of the building of the Palace of Culture and Science in Warsaw. Stroi.prom.32 no.2:28-33 F '54.

(MLBA 7:2)

(Warsaw--Building, Iron and steel) (Building, Iron and steel--Warsaw)

SOV/124-57-3-3495

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 125 (USSR)

AUTHOR: Trofimov, V. I.

TITLE: The Elastic-plastic Working of Soft Structural Steel Under Simple and Combined Loadings (Uprugo-plasticheskaya rabota myagkoy stroitel'noy stali pri prostom i slozhnom nagruzheniyakh)

PERIODICAL: V sb.: Issledovaniye prochnosti, plastichnosti i polzuchesti stroit. materialov. Moscow, 1955, pp 69-84

ABSTRACT: A description and experimental results are given for two-sided tension-compression tests of rectangular plates of St0 and St3 steel under simple and combined loading beyond the limits of elasticity. The plates, which measured 80 x 80 mm (14-16 mm thick) and 40 x 800 mm (14 mm thick), were loaded by means of a special device designed to produce a balanced distribution of the external loads along the edges and freedom of displacement for the points of the specimen along the contour. Stress/strain (σ_i/e_i) curves were plotted for simple loading with longitudinal/transverse loading ratios equal to ± 1 , 1.06, and 2.06. It was established that the universality of the $\sigma_i \sim e_i$ relationship may be observed within

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SOV/124-57-3-3495

The Elastic-plastic Working of Soft Structural Steel (cont.)

an accuracy of $\pm 6.5\%$. A conclusion is drawn that "in view of the smallness of the slope-angle of the $\sigma_i \sim e_i$ curves (with respect to the e_i axis) it is doubtful that the law of the generalized curves in the plastic-deformation stage may find application to structural steels;" the justification of this statement is not clear. It is noted that during transition into the plastic state the strain relationship in the yielding region ceases to be proportional to the acting stresses. It is established that after exceeding the carrying - capacity limit in one direction by compound loading with successive applications of longitudinal and transverse loads of the same sign the specimen still retains the capacity to withstand additional loads of the same sign in the perpendicular direction. The shape of the $\sigma_i \sim e_i$ curve differs sharply from that of the simple-loading curve and does not exhibit any universal characteristics. Repeated unloading with subsequent additional loading in one direction, with loads along the other direction remaining constant, leads to an increase of the local elastic limit. Exceeding the carrying capacity of the specimen by loadings of different signs in one direction exhausts the carrying capacity of the specimen relative to loadings of the opposite sign applied in the perpendicular direction. Because of this, during tests, the application of a second loading was accompanied by a decrease in the initial loading. Under conditions of active deformation, the relationship $\sigma_i \sim e_i$ exhibited the same form as that for simple loading.

V. S. Lenskiy

Card 2/2

GEMMERLING, A.V., kandidat tekhnicheskikh nauk; TROFIMOV, V.I., kandidat tekhnicheskikh nauk; MILEYKOVSKIY, I.Ye., kandidat tekhnicheskikh nauk; KOCHERGOVA, Ye.Ye., kandidat tekhnicheskikh nauk; BELYAYEV, B.I., laureat Stalinskoy premii, inzhener, redaktor; ROSTOVTSOVA, M.P., redaktor; MEDVEDEV, L.Ya., tekhnicheskiy redaktor.

[Investigation of the work of framed structures] Issledovanie raboty ramnykh konstruksii. Moskva, 1955. 136 p. (Moscow. Tsentral'nyi nauchno-issledovatel'skii institut promyshlennykh sooruzhenii. Nauchnoe soobshchenie no.21). (MLRA 9:2)
(Structural frames)

10-1-1955

Local development of plastic deformations in low-carbon steels. V. I. Trofimov. *Izvest. Akad. Nauk S.S.S.R., Otdel. Tekh. Nauk* 1955, No. 11, 58-61. —Initially, the plastic deformation of steel specimens involves only a small fraction of the total vol., which is subsequently gradually enlarged. Efforts were made to det. experimentally the magnitude of the sections involved in the plastic deformation in soft structural-steel specimens at the different stages of the development of the av. deformation. Variations in the size of these sections were investigated with different loading velocities and with different surface conditions in the specimens. The steel samples tested, contg. 0.17-0.21% C, had yield points of 23.0-32.7 kg./sq. mm. The cross sections tested varied between 5 × 30 and 12 × 50 mm.

W. M. Sternberg

SOV/124-57-9-11080

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 9, p 166 (USSR)

AUTHORS: Baldin, V. A., Gemmerling, A. V., Trofimov, V. I.

TITLE: Experimental Investigation of the Elastic-plastic Working of Low-carbon Steel Subject to Simple and Compound Loads (Eksperimental'noye issledovaniye uprugoplasticheskoy raboty malouglerodistoy stali pri prostom i slozhnom nagruzheniyakh)

PERIODICAL: V sb.: Issledovaniya po stal'nym konstruktsiyam, Moscow, 1956, pp 33-58

ABSTRACT: Experimental investigations are made of the stress-strain relationship (initial strain of up to 20%) of mark St.0 and St.3 soft steel subjected to a plane stress condition (simple and compound loads). A special test installation is used for biaxial compression and biaxial compression-tension. Compression loads were applied by means of a flexible rack that minimized the effects of friction on the process of strain development. Strain was applied by means of a 100-ton jack along one axis and by means of a 300-ton universal load-testing machine along the other axis. Biaxial compression specimens consisted of plates measuring from 82x82 mm up to 83.5x83.5 mm with a thickness of from

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SOV/124-57-9-11080

Experimental Investigation of the Elastic-plastic Working of Low-carbon (cont.) ..

14.5 to 16 mm. Tension-compression tests were performed on strips measuring 800 mm with a 16x40 mm cross section. The authors came to the conclusion that for simple biaxial loads the yield point occurs between the conditions of Saint Venant and those of Hencky-Huber-Mises, but nearer to that of Saint Venant. It is noted that the possibility of constructing generalized stress-strain curves is qualitatively substantiated.

P. O. Pashkov

Card 2/2

SOV/124-58-3-3515

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 3, p 130 (USSR)

AUTHOR: Trofimov, V. I.

TITLE: Localized Nature of Plastic Deformations in Elongated Specimens
(Lokal'nost' plasticheskikh deformatsiy v rastvanutykh obraztsakh)

PERIODICAL: V sb. : Issledovaniya po stal'nym konstruktsiyam. Moscow,
1956, pp 59-67

ABSTRACT: Investigations performed on five different smeltings of structural steel St. 3 revealed that under tensile loads all five possess a well-defined yield-point elongation equivalent to 1.5-2.2%. When a specimen is stressed to its upper yield point at a loading rate of 1-3 kg/mm² per second, its upper and lower yield points are sharply defined; at a loading rate of 0.05-0.08 kg/mm² per second, the upper yield point is not detectable. The yield occurred in regions where local overloads during the elastic stage were at a maximum; it originated in a limited area where elongations attained values of 1.8-2.2%, i. e., magnitudes corresponding to the entire yield-point elongation. Further deformations progressed by a mechanism of successive transition of elastic zones into plastic ones. The zone of residual deformations coincided

Card 1/2

SOV/124-58-3-3515

Localized Nature of Plastic Deformations in Elongated Specimens
exactly with the region covered with Chernov-Lüders lines.

I. M. Gryaznov

Card 2/2

TROFIMOV, V.I., kandidat tekhnicheskikh nauk.

Some solutions to problems of designing multistory industrial
buildings made of precast reinforced concrete. Bet.1 zhel.-bet.
no.6:206-208 Je '56. (MLRA 9:8)
(Precast concrete construction)

SOV/137-59-3-6693

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 3, p 249 (USSR)

AUTHOR: Trofimov, V. I.

TITLE: On Methods of Experimental Investigation of Structural Steel in the Elastic-plastic Stage in a Biaxially Stressed State (K metodike eksperimental'nogo issledovaniya stroitel'noy stali v uprugoplasticheskoy stadii pri dvuosnom napryazhenom sostoyanii)

PERIODICAL: Dokl. Mezhdvuz. konferentsii po ispytaniyam sooruzh. Leningrad, 1958, pp 156-162

ABSTRACT: A method was developed in which flat specimens (S), rather than tubular ones, are employed in investigating the deformation of steel under biaxial compression, biaxial tension, as well as compression combined with tension. The drawback of standard compression testing employing rigid plate dies lies in the fact that lateral deformation near the end faces of the S's is obstructed by the action of the forces of friction. In order to reduce the adverse effects inherent in the method employing a rigid die, a flexible die consisting of a packet of thin plates was developed. The edges of the plates contacting the S were coated with a graphite powder. In order to

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SOV/137-59-3-6693

On Methods of Experimental Investigation of Structural Steel (cont.)

ensure uniform distribution of the loading between the plates, an elastic sheet of rubber was sandwiched between the bottom edges of the plates and the base of the press. Horizontal loading of the S's was accomplished with the aid of a horizontal press, whereas vertical loading was achieved by means of a hydraulic jack. The degree of nonuniformity of deformation was determined by superimposing and matching the plastic-flow curves plotted for various points on the S's with the aid of data supplied by strain gages. The agreement of the curves was entirely satisfactory. The S's exhibited a very small "barrel" effect even under severe plastic deformations. An additional method was developed permitting the employment of a single specimen in testing for various stress combinations.

V. O.

Card 2/2

TROFIMOV, V.I.

24-58-3-20/38

AUTHORS: Baldin, V.A. and Trofimov, V.I. (Moscow)

TITLE: Experimental Investigation of the Conditions of Flow of Engineering Steels on Flat Specimens (Eksperimental'noye issledovaniye usloviya tekuchesti stroitel'noy stali na ploskikh obraztsakh)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 3, pp 126-129 (USSR)

ABSTRACT: The change over from the elastic to the plastic state is determined on the basis of the well-known theory of constant elastic energy for changing the shape (Hankey, Huber and Von Miseses). According to earlier work of Oding and Ivanova (Refs.5, 6) and Trofimov (Ref.7), a characteristic feature of ductile steel is that the transition into the plastic state does not take place simultaneously through the entire volume of the material. At first, the plastic deformation develops in relatively narrow sections, the material between these remaining elastic or only slightly affected by plastic deformations. The local nature of the plastic deformations and the development of these deformations mainly along the planes of the maximum tangential stresses justifies the

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24-58-3-20/38

Experimental Investigation of the Conditions of Flow of Engineering Steels on Flat Specimens.

assumption that the beginning of plastic deformations for engineering steels should be in better agreement with the theory of the maximum tangential stress (St. Venant). Torsion and tensile tests on cylindrical hollow specimens made of some metals with a cubic lattice (including ductile steel) by Kishkin and Ratner (Refs.8, 9), biaxial tensile tests on large diameter steel tubes by I. P. Petrov (Ref.10) and also biaxial compression, tension and combined compression-tension tests by Baldin et alii (Ref.11) confirm the here-expressed assumption. In this paper experiments are briefly described which were carried out on this subject in TsNIPS. A characteristic feature of certain steel structures is that they are made up of sheets or slightly twisted sheet elements. In most cases they are subjected to slow loading involving only insignificant plastic deformations. The aim of the experiments was to simulate as far as possible the real conditions of operation of a steel structure and therefore, instead of tubular specimens, flat specimens were used. The loading speed was very low (0.01 - 0.02 kg/mm²-sec). The transition of the steel from the elastic to the plastic state was determined from the graph according to the point of

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24-58-3-20/38

Experimental Investigation of the Conditions of Flow of Engineering Steels on Flat Specimens.

transition from the curvilinear section into the horizontal rectilinear one. A continuation of a line drawn through this point parallel to the graph of the elastic work intersected on the abscissa a residual deformation of about 0.05%. A total of 34 experiments were made which are described in detail. In Fig.4 the obtained results are compared with theoretical data whereby the ^{horizontal} dotted line I represents the conditions of flow according to St. Venant whilst the dotted line curve II shows the flow conditions according to Hankey, Huber and Von Mises. The average values of $\sigma_2:\sigma_T$ (main stress/yield point) for all the experiments are represented by a continuous line curve of this graph. The graph shows that the maximum value σ_2 at which the material starts to flow according to the average curve, does not exceed 4.4% of the yield point determined in the case of uniaxial tension. Two combined compression/tension tests ($\sigma_1 = -\sigma_2$) have shown that the flow of the material started for a σ_2/σ_T ratio of

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24-58-3-20/38

Experimental Investigation of the Conditions of Flow of Engineering Steels on Flat Specimens.

0.5 and 0.535. It is concluded that for low carbon engineering steels with a clearly pronounced yield point area, the change over of the material from the elastic into the plastic state in the case of a 2-dimensional stress state and slow loading is better described by the theory of maximum tangential stress (St. Venant) than by the theory of the constant elastic energy of shape-changing (Hankey, Huber and Von Mises). There are 4 figures, 2 of which are graphs, and 11 references. Of these, 9 are Soviet, 1 German and 1 English.

SUBMITTED: July 3, 1957.

Card 4/4 1. Steel--Elasticity 2. Steel--Transition 3. Steel--Plasticity
4. Steel--Deformation

TROFIMOV, V.I., kand. tekhn. nauk.

Calculating lattice metal supports for electric power lines. Stroi.
prom. 36 no.2:22-25 F '58. (MIRA 11:2)
(Electric lines--Poles)

8(3)

PHASE I BOOK EXPLOITATION

SOV/2612

Trofimov, Viktor Ivanovich

Issledovaniye i raschet elementov stal'nykh opor liniy elektroperedachi (Investigation and Design of Elements of Supporting Structures for Transmission Lines) Moscow, Gosenergoizdat, 1959. 101 p. Errata slip inserted. 5,300 copies printed.

Ed.: L.E. Levin; Tech. Ed.: G.I. Matveyev.

PURPOSE: This book is intended for designers and scientific workers concerned with overhead electric power transmission lines.

COVERAGE: Methods of theoretical research on the carrying capacity of steel supporting structures for electric power transmission lines are presented. Directions for making practical calculations of component parts of structural supports are given along with concrete examples of the calculations and a comparison of the weights of structural supports depending on design. No personalities are mentioned. There

Card 1/3

Investigation and Design of Elements (Cont.)

SOV/2612

are 24 references: 22 Soviet and 2 German.

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Card 2/3

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SOV/97-59-3-13/15

AUTHORS: Brodskiy, A. Ya., and Trofimov, V. I., Candidates of Technical Sciences

TITLE: Welding of Reinforcement Joints During Assembly of the Skeleton of a Multi-Story Industrial Building

PERIODICAL: Beton i zhelezobeton, 1959, Nr 3, pp 138-139 (USSR)

ABSTRACT: Giprostroyaterial Institute devised a joint between column and beam using a "bath" weld in the place of ordinary hand electric arc welding. This new joint was tried out on the frame of Karacharovo timber mill (designed by A. P. Vlasov, Architect, and V. I. Trofimov, Candidate of Technical Sciences) and proved to be much simpler than other methods of jointing (see Fig 2). A detailed description of the construction of this mill is given (see Fig 1). Fig 2 shows laying of floor slabs and their tying-in with the beam. The strength of joint between the floor slabs and beams is of the same order as the joint investigated in TsNIPS (see S.M. Krylov: "Problems of Contemporary Reinforced Concrete Constructions", Gosstroyizdat 1952). The method of "bath"

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SOV/97-59-3-13/15

Welding of Reinforcement Joints During Assembly of the Skeleton of
a Multi-Story Industrial Building

welding joints of reinforcement in a copper form using comb electrodes was worked out between 1952 and 1953 in TsNIEP by V. A. Baldin and A. Ya. Brodskiy and described in "Welding of steel reinforcement of reinforced concrete by means of comb electrodes" (Avtogennoye delo, Nr 4, 1953). Fig 3 shows welding together of six bars in one operation by means of a detachable copper clip. Fig 4 shows joint ready for welding. The comb electrode used for welding is of mark UOII-13/45 of 5 mm diameter, consisting of five units. The finished weld is illustrated in Fig 5. The arcs are fed by alternating current STE-32, STE-34 or STN-500 of 500 amps. Welding of a packet of three 36 mm diameter rods lasts 8 minutes. The strength of multi-layer reinforcement welds made under laboratory conditions was tested in the Laboratory for Metal Constructions of the Institute of Building Constructions ASIA USSR (Laboratoriya metalliche-skikh konstruktsiy Instituta stroitel'nykh Konstruktsiy ASIA SSSR) and the values obtained are tabulated on p 138.

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The tests complied with norms TU.73-56 and proved that bath

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Welding of Reinforcement Joints During Assembly of the Skeleton of
a Multi-Story Industrial Building

welding of joints using copper clips and comb electrodes is
very effective. Scientific worker A. M. Fridman and welder
A. F. Yevsyukov of the Institute of Building Constructions
ASIA USSR took part in these investigations. There are 5
figures and 1 table

Card 3/3

BALDIN, V.A. (Moskva); TROFIMOV, V.I. (Moskva)

Elastic-plastic performance of steel elements subjected to
composite loads. Stroi.mekh.i rasch.soor. 1 no.6:19-23

'59.

(MIRA 13:4)

(Building, Iron and steel) (Strains and stresses)

BALDIN, V.A., kand.tekhn.nauk; TROFIMOV, V.I., kand.tekhn.nauk

Investigation of the elastic-plastic properties of structural
steel in plane stressed condition. Trudy TSNIISK no.4:5-
34 '61. (MIRA 15:2)

(Steel, Structural—Testing)
(Strains and stresses)

TROFIMOV, V.I., kand.tekhn.nauk

Investigating the resilience of a rectangular cross section
latticed support for electric power distribution lines under
the effect of torque. Trudy TSNIISK no.4:44-60 '61.
(MIRA 15:2)

(Structural frames--Testing)
(Torque)

TROFIMOV, V.I., kand.tekhn.nauk

Development of plastic deformations in structural steels in
a uniform and nonuniform stressed state. Trudy TSHIISK no.7:
321-334 '61. (MIRA 15:3)
(Steel, Structural--Testing)

TROFIMOV, V.I., kand.tekhn.nauk, dotsent (Moskva)

Stability of cross braces in three-dimensional rod systems.
Rasch.prostr.konstr. no.6:67-88 '61. (MIRA 15:3)
(Structural frames)

TROFIMOV, V.I., kand.tekhn.nauk

Evaluating the reduction of the bearing capacity of steel trusses
on the account of curving of separate rods. Trudy TSNIISK no.7:
186-196 '61. (MIRA 15:3)

(Trusses)

TROFIMOV, V.I., kand.tekhn.nauk

Bearing capacity of bolt-fastened support trusses for electric
lines. Trudy TSNIISK no.7:63-96 '61. (MIRA 15:3)
(Electric lines--Overhead) (Trusses)

TROFIMOV, V.I.

Experimental testing of the performance of standardized steel towers for electric lines with bolted joints and recommendations concerning their design. Prom. stroi. 39 no.3:49-52 '61. (MIRA 14:4)
(Electric lines—Overhead)

TROFIMOV, V.I., kand.tekhn.nauk, dotsent (Moskva)

Stability and limiting state of the frame work of welded towers
for electric lines. Rasch.prostr.konstr. no.7:251-280 '62.
(MIRA 15:4)
(Electric lines--Poles and towers)

MILOVIDOV, Yu.I., inzh.; TROFIMOV, V.I., inzh.; BARANOV, N.A., inzh.

System of automatic regulation of the water temperature of a
diesel locomotive engine. Vest. TSNII MPS 22 no.3:25-30 '63.
(MIRA 16:7)

(Diesel locomotives—Cooling)
(Temperature regulators)

TROFIMOV, Viktor Ivanovich; LEVIN, L.E., red.; BUL'DYAYEV, N.A.,
tekhn. red.

[Study of stability and carrying strength of metal power
transmission tower type structures] Issledovanie ustoichivosti
i nesushchei sposobnosti metallicheskikh konstruktsii tipa
opor linii elektroperedachi. Moskva, Gosenergoizdat, 1963.
319 p. (MIRA 16:10)

(Electric lines—Poles and towers)

BALDIN, V.A., kand.tekhn.nauk; TROFIMOV, V.I., kand.tekhn.nauk

Study of the development of plastic deformations in
structural steel in a plane stressed state under complex
types of loading. Trudy TSNIISK no.13:5-37 '62.
(MIRA 15:11)

(Steel, Structure--Testing)

TROFIMOV, V.I., kand.tekhn.nauk

Study of the stability of trihedral open rods. Trudy
TSNIISK no.13:173-199 '62. (MIRA 15:11)
(Elastic rods and wires)

ANDREYEV, N.N., dots.; ACHKASOV, K.A., st. prepodavatel'; DOLZHENKOV, A.T., dots.; DOKUCHAYEVA, A.P., dots.; KISELEV, I.I., dots.; KOZLOV, I.P., st. prepodavatel'; TROFIMOV, V.I., dots.; PESTRYAKOV, A.I., nauchnyy red.; SHALYT, N.A., red.; TOKER, A.M., tekhn. red.

[Manual for the young agricultural machinery operator] Spravochnik molodogo mekhanizatora sel'skogo khoziaistva. Pod red. A.T.Dolzhenkova. Izd.2., ispr. i dop. Moskva, Proftekhizdat, 1963. 653 p. (MIRA 16:6)

1. Fakultet mekhanizatsii Moskovskoy akademii im. K.A. Timiryazeva (for all except Pestryakov, Shalyt, Toker). (Agricultural machinery)

TROFIMOV, Vladimir Ivanovich, kand. tekhn. nauk; BELYANCHIKOV,
Nikolay Nikolayevich, kand. tekhn. nauk; FELOTOV, V.G., red.

[Mechanization of labor consuming processes on livestock
farms] Mekhanizatsiia trudoemkikh protsessov na zhiivotno-
vodcheskikh fermakh. Moskva, Rossel'khozizdat, 1964. 304 p.
(MIRA 18:12)

CHAYKOVSKIY E.G.; TROFIMOV, V.K.

Selection of some parameters for the working part of a caving excavator.
Trudy Inst. gor. dela Sib. otd. AN SSSR no.7:53-63 '62.
(MIRA 16:9)

TROFIMOV, V.K.

Bioelectric activity of the cortex in rabbits with an increased hormone content. Uch. zap. Stavr. gos. med. inst. 12:38-40 '63.

Disorders in the cortical processes under the influence of an increased content. Ibid.:41-43 (MIRA 17:9)

1. Kafedra normal'noy fiziologii (nauchnyy rukovoditel' prof. V.G. Budylin) Stavropol'skogo gosudarstvennogo meditsinskogo instituta.

BERKO, V.D.; TROFIMOV, V.K.

Conditioned reflex activity in dogs following the implantation of electrodes in the skull in a chronic experiment. Uch. zap. Stavr. gos. med. inst. 12:58-59 '63. (MIRA 17:9)

1. Kafedra normal'noy fiziologii (nauchnyy rukovoditel' prof. V.G. Budylin) Stavropol'skogo gosudarstvennogo meditsinskogo instituta.

YERMOLOV, L.S.; ISICHENKO, I.A.; POLISSKIY, A.Ya.; TROFIMOV, V.U.;
LAZARENKO, A.I., red.

[Repairing parts of SMD engines] Vosstanovlenie detalei
dvigatelei SMD. [By] I.S.Ermolov i dr. Kiev, Urozhai,
1965. 377 p. (MIRA 18:8)

BUKHARIN, Yevgeniy Mikhaylovich; KOLYAKOV, Ayzik Mordkovich;
KURNOSOV, Aleksey Ivanovich; LYALIN, Feliks Isayevich;
TROFIMOV, Viktor Ivanovich; LEVIN, L.E., red.

[Designing structures for electric transmission lines
using the method of limiting states] Proektirovanie
stroitel'nykh konstrukttsii linii elektroperedachi po
predel'nyim sostoianiiam. Pod red. E.M. Bukharina. Moskva,
Energia, 1965. 111 p. (MIRA 18:11)

TROFIMOV, V.M.; SHTEYNBERG, A.M.

Study of core bits used for boring in the central Donets Basin.
Trudy MGRI 30:115-123 '56. (MLRA 9:11)
(Boring machinery) (Donets Basin--Boring)

TROFIMOV, V.M.; SHTEYNBERG, A.M.

Using modernized BK-M core barrels for drilling in the Donets Basin.
Razved.i okb.nedr.22 no.3:17-22 Mr '56. (MIRA 9:7)
(Donets Basin--Boring machinery)

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7,
p 207 (USSR) 15-57-7-10106D

AUTHOR: Trofimov, V. M.

TITLE: Investigation of Drilling Technique With Hard Alloy
Drill Bits in Donbass (by the Crews of the Trust
"Artemuglegeologiya") [Issledovaniya tekhnologii
bureniya tverdosplavnymi koronkami v Donbasse (v
partiyakh tresta "Artemuglegeologiya")]

ABSTRACT: Bibliographic entry on the author's dissertation for
the degree of Candidate of Technical Sciences,
presented to the Moscow Geological Explorations
Institute (Mosk. geol-razved. in-t), Moscow, 1957

ASSOCIATION: Mosk. geol-razved. in-t (Moscow Geological
Explorations Institute)

Card 1/1

TROFIMOV, V.M.; SHTEYNBERG, A.M.

Methods for increasing the efficiency of test deep drilling.
Trudy MGRI 34:140-144 '59. (MIRA 13:12)
(Boring)

SHTEYNBERG, A.M.; TROFIMOV, V.M.

Sinking distance in one pass in connection with the drill-
ability of rocks. Izv.vys.ucheb.zav.; geol.i razv. 2 no.5:
123-127 My '59. (MIRA 12:12)

1. Moskovskiy geologorazvedochnyy institut im. S.Ordzhonikidze,
i Krasnoyarskiy institut tsvetnykh metallov i zolota im. M.I.
Kalinina.

(Boring)