VOLODIIN, A.P.; VOL'VSON, P.H.

Problems of utilizing the method of top slicing. Geol. zhur. no.2:24-32 (Mining engineering) (MIRA 8:7)
VOLADIN, A.P.; VOL'FSON, P.M.; KUTSYVA, K.I.

Cutting down sublevel and caving. Gor. zhur. no.5:3-6 My '55. (MLA 8:7)

(Krivoi Rog—Mining engineering)

(Min. of Higher Ed., Education USSR. Dnepropetrovsk Order of Labor Red Banner. Mining Inst. im. Artem)

120 copies (KL 29-58, 131)
Mechanized labor for underground haulage in the Krivoy Rog Basin. Gor.
zhur, no. 5:62-65 My '57. (MIRA 10:6)

1. Nauchno-issledovatel'skiy gornorudnyy institut.
(Krivoy Rog--Iron mines and mining) (Mine haulage)
VOLODIN, A.P., inzh.

Planning the longitudinal section of division points on heavily travelled runs. Transp. stroi. 7 no. 7: 22-24 Jul '57. (MIRA 10:11)

(Electric railroads--Stations)
VOLODIN, A.P., inzh.

Technical specifications for surveying new railroad lines.
Transp. stroi. 9 no. 5; 56-57 My '59. (MIRA 12:12)
(Railroads--Surveying)
BELILOVSKII, Yefim Solomonovich; BOGUSLAVSKII, Eduard Yelizarovich;
BIDUS, Mark Semenovich; VOBODIN, Aleksey Pavlovich; KUNIN,
Izyaslav Kopolovich; SELENTOR, Spartak Mikhailovich; CHUB,
Vasiliy Fedoseyevich; YAMKOVOI, Grigory Tikhonovich; DMITRIEV,
A.P., ovt. red.; KOVAL', I.V., red., izd.-va; MAKSHNOVA, V.V., tekhn. red.

[Improvement of underground mining methods and equipment in the
Krivoy Rog Basin] Sovershenstvovanie tekhniki i tekhnologii pod-
zemnoi dobychi rudy v Krivorozhskom basseine. [Ry] E.S.Belilov-
skii i dr. Moskva, Gos. nauchno-tekh. izd.-vo liter. po gornomu
delu, 1961. 238 p. (MIRA 15:3)

(Krivoy Rog Basin—Iron mines and mining)
(Automatic control)
VOLODIN, A.P., inzh.

Precision of geodetic operations in surveying roads and railroads. Transp. stroi., 11 no. 5:47-49 My '61.
(MIRA 14:6)
(Roads—Surveying) (Railroads—Surveying)
PETROV, M.A.; NORMAN, E.A.; VOLODIN, A.P.; DENISOV, V.A.;
KOCHKONOGOV, V.P.; BEGAM, L.G.; BARANOVA, M.A.; TAVLINOVA,
V.K.; YENIKEYEV, G.Sh.; BARAKHOVA, A.I.; KUDRIAVTSEV,
G.P.; MALAYAVSKIY, B.K.; CHEGODAYEV, N.N.; SURIN, V.S.;
GONIKBERG, I.V., retsenzent; ENGEL'KE, V.A., retsenzent;
KHRAFPOV, V.A., retsenzent; AL'PERT, G.A., retsenzent;
ALEKSEXEV, B.N., retsenzent; SKLYAROV, A.A., retsenzent
ALEKSEXEV, Ye.P., retsenzent

[Railroad surveying; reference and methodological hand-
book] Izyskania zheleznykh dorog; spravochnoe i metodi-
(MIRA 18:1)

1. Babushkin, Vsesoyuzny nauchno-issledovatel'skiy in-
stitut transportnogo stroitel'stva. 2. Leningradskiy go-
sudarstvennyy proektno-izyskatel'skiy institut Gosudar-
stvennogo proizvodstvennogo komiteta po transportnomu
stroitel'stvu SSSR (for Gonikberg, Engel'ke, Khrapkov).
3. Sibirskiy gosudarstvennyy proektno-izyskatel'skiy in-
stitut Gosudarstvennogo proizvodstvennogo komiteta po
transportnomu stroitel'stvu SSSR (for Alekseyev, Ye.P.).
4. Moskovskiy gosudarstvennyy proektno-izyskatel'skiy
institut Gosudarstvennogo proizvodstvennogo komiteta po
transportnomu stroitel'stvu SSSR (for Al'pert).
TARAN, P.N., kand. tekhn. nauk; VOL'FSON, P.M., kand. tekhn. nauk; VOL'F DINO, A.P., kand. tekhn. nauk; TES'TER, Yu.B., gornyy inzh.

Eliminate multiple horizon mining in the Krivoy Rog Basin.
Gor. zhur. no.4; 3-6 Ap '65. (MIRA 18:5)

1. Nauchno-isследовательский горнорудный институт, Krivoy Rog.
BARASHKOV, M.I.; VOLODIN, A.S.; KULIKOV, I.G.; YAKIMOV, S.Ya., red.;
KOGAN, V.V., tekhn. red.

[Safety measures in working with calenders and rubber mixers]
Tekhnika bezopasnosti pri rabote na val'tsakh i rezinosmesi-
(Rubber industry—Safety measures)
FOMENKO, T.G.; BUTOVETSKII, V.S.; VOLODIN, A.V.; MANCHITS, G.O.

Increasing the output capacity of vacuum filters at coal preparation plants. Koks i khim, no.10:11-15 '61.

(MIRA 15:2)

1. Institut UkrNIUgleobogashcheniya (for Fomenko, Butovetskiy).
2. Voroshilovskiy koksokhimicheskiy zavod (for Volodin, Manchits).
(Coal preparation plants— Equipment and supplies)
(Filters and filtration)
ZAKUSOV, V.V.; ANICHKOV, S.V.; VOLODIN, B.

(MIRA 15:7)

(Psychopharmacology)
VOLODIN, Boris; GUSAKOVA, A., red.; NAZAROVA, A., tekhn. red.

[Silence! An operation is being performed!] Tikho! Idet operatsiia! Moskva, Izd-vo "Znanie," 1963. 95 p. (MIRA 16:10)
For those who are thirteen years old today ("Take off!" by A. Markusha. Reviewed by B. Volodin). IUn.tekh. 4 no. 7:57 (MIRA 13:9) (Airplanes--Piloting) (Markusha, A.)
[Problems in probability theory, mathematical statistics, and theory of functions of random variables] Sbornik zada-
dach po teorii veroiatnostei, matematicheskoj statistike i
(MIRA 16:10)
VOLODIN, Boris Grigor'evich; GANIN, Mikhail Pavlovich; DINEIHT, Issay
Yakovlevich; KOMAROV, Lezar' Borisovich; SVESHNIKOV, Aram
Arutyunovich, doktor tekhn. nauk, prof.; STAROBIN, Kalman
Berkovich; GINZBURG, R.I., cand.tekhn.nauk, retsenzent;
CHEREDNICHENKO, N.Ya., cand. tekhn.nauk, retsenzent; SHAYKEVICH,
I.A., red.; KONTOROVICH, A.I., tekhn.red.

[Manual for engineers on the solving of problems in probability
theory; collection of basic formulas, typical solutions, and
problems for exercises] Rukovodstvo dlia inzhenerov po reasheniu
zadach teorii veroiatnosti; sbornik osnovnykh formul, tipovykh
reashenii i zadach dlia uprashnenii. [By] B.G.Volodin i dr. Le-
(Probabilities)
PHASE I BOOK EXPLOITATION

Volodin, Boris Grigor'yevich, Mikhail Pavlovich Ganin, Isay Yakovlevich Diner,
Lazar' Borisovich Komarov, Aram Arutyunovich Sveshnikov, Doctor of Technical Sciences, Professor, and Kalman Berkovich Starobin


PURPOSE: This handbook is intended for engineers, scientific workers, and students at schools of higher education interested in applying formulas of
Handbook for Engineers (Cont.)

the theory of probability to the solution of practical problems.

COVERAGE: The book includes all basic formulas in the theory of probability
applicable to the solution of practical problems in automatic control, radio
communication, processing and verifying experimental data, and other
fields. In each section, work formulas and diagrams are applied to the
solution of typical problems. Additional work problems with answers are
provided. No personalities are mentioned. There are 33 references;
29 Soviet (including 7 translations from English and German), 3 French,
and 1 German.

TABLE OF CONTENTS:

Preface 3
Symbols 4

Ch. I. Random Events 9
  1. Relationships between random events 9
  2. Direct calculation of probabilities 11
  3. Geometric probabilities 14

Card 2/2
VOLODIN, D.

Against excess and wastefulness. Pin. SSSR 22 no.3; 63–65 Mr '61.
(MIRA 14:7)

(Construction industry—Auditing and inspection)
(Banks and banking)
A Punch for a Profiled Balancing Wheel (Shlamp dlya obrubki ankernogo kolesa po profilyu).

Priborostroyeniye, 1958, Nr 2, pp. 32-32 (USSR)

Hitherto it was usual to produce the profile of a balancing wheel by milling on a semi-automatic device in five working operations. A punch is described here by means of which the same balancing wheel can be produced with the same accuracy. By means of the punch described it is possible to produce 4,000 balancing wheels per day. After 80,000 have been produced, the punch and the matrix can no longer be used. There is 1 figure.
AUTHOR: Volodin, D.I.

TITLE: A Die for Shearing Anchor Wheels on the Profile (Shtamp dlya obrubki ankernogo kolesa po profilyu)

PERIODICAL: Mashinostroitel', 1958; Nr 4, p 29 (USSR)

ABSTRACT: The complex and accurate tooth profile of anchor wheels is usually formed by milling on a special semi-automatic miller equipped with special small-tooth cutters. The work requires five milling operations; the machine setting is complex and the cutters wear out fast. Lately, this milling process has been replaced by stamping. The article presents detailed design information on a block die of the small "S-10" cam press used for stamping the anchor wheels. The blanks are placed into the die and the finished stampings removed from the die with the use of special tweezers. The stamping is considered good if the tooth contour is accurate within the tolerance and the burrs are not larger than 0.015 mm. The tooth accuracy is checked with an
A Die for Shearing Anchor Wheels on the Profile

optical projector. A detailed section drawing of the die is given. There is 1 drawing.

1. Dies--Design  2. Dies--Applications  3. Anchor wheels--Production

Card 2/2
VOLODIN, E. A.

Elektroiskrovaia obrabotka molotovykh shtampov. (Vesnt. Mash., 1948, no. 6, p. 49-52)

Refers to "Krasnogvardeets" plant.

Electric spark technique in hammer die working.  

DLC: TN4. V4

electrolytic methods type resistor for spark generation


- electrolytic rectification of 220 v, a.e.c., is accomplished
- electrolytic rectification of 220 v, a.e.c., is accomplished

by NaHCO₃ soln. (150 g per 3 l water) with Pb and Al
- electrodes spaced 35 cm, up to 100 amp. can be handled
- electrodes spaced 35 cm, up to 100 amp. can be handled

G. M. Kondrashov
Electric-Spark Machining and Repair of Small Dies. T. A.
Volodin, Gnesiki i Instrument, 1953, (9), 21-29. 11

The technology and economics of the electric-
spark machining of dies for dealing with forgings weighing up
to 3 lb. are considered. Recent improvements in spark-
machining methods are described, their present special
advantages for the repairs are outlined and three sets of
conditions for such work are enumerated. Available spark-
machining installations are criticized, a number of improve-
ments being suggested. The production of electrodes of
easily reproducible dimensions and shapes by powder
metallurgy is described, examples being illustrated.—v. 3.
Authors: Volodin, E. A., and Kovsharova, L. A.

Title: New technique in manufacturing metalo-ceramic electrode tools for electric-spark working of metals

Periodical: Vest. mash. 12, 56-57, Dec 1954

Abstract: New methods, employed by the Scientific Research Institute of Medical Instrumentation, in producing metalo-ceramic electrode tools are discussed, and a description is presented of a press mould for manufacturing the above mentioned tools. Illustration; drawing.

Institution: .......

Submitted: .......

APPROVED FOR RELEASE: 08/09/2001   CIA-RDP86-00513R001860630006-1
U.S.S.R. 18007 New Process of Production of Metal Powder Tools
for the Electrospark Machining of Metal Parts. E. A. Volodin
6 p. (From Vestnik Mashinostroeniya, v. 34, no. 11, 1954,
p. 36-37.) Henry Butcher, Altadena, Calif.
Previously abstracted from original. See item 7114, v. 4, May
1955.
VOLODIN, E. I.

Sistema etalonirovaniia sredstv kontrolia chistoty poverkhnostei detalei.
(Vestn. Mash., 1950, no. 5, p. 48-53)

(stdandardization system for instruments controlling the cleanliness of
surface of machine parts.)

DLC: TN4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union,
Library of Congress, 1953
VOLODIN, E. I.

Tochnost' opticheskih priborov dlja otsenki chistoty poverkhnostei. (Vestn. Mash., 1951, no. 4, p. 84-86)

(Precision of optical instruments for determining the cleanliness of surfaces.)

DLC: TN4.6

SO: Manufacturing and Mechanical Engineering in the Soviet Union,
Library of Congress, 1953
VOLODIN, V. I.

Neodnorodnost' overkhnosti detalii mashin.
(Yestn. Mash., 1951, no. 7, p.52-54)


dat: Twh, Vi

Heterogeneity of surface of machine parts.

So: Manufacturing and Mechanical Engineering in the Soviet Union,
VOLODIN, V. 

Production practice in the fields. Prof.-tekhn. obr. 13 no.7: 22-23 Jl '56. (KLRA 9:10)

1. Zamositel' nachal'nika Krymskogo oblastnogo upravleniya trudovykh reservov. (Crimea-Farm mechanization-Study and teaching)
MIXHAYLOV, I.; ZOLOTOV, V.; VOLODIN, O.

Blood and profit. Sov. profsobrusy 7 no. 7:70-76 J1 '58. (MIRA 11:8)
(Industrial accidents)
VOLODIY, G. A., BONDARENKO, N. I.

The Novo-Ul'yanovskaya Central Coal Preparation Plant is an enterprise for communist labor. Ugol' 39 no.5:12-15 by '64.

(MIRA 17:8)

AUTHOR: Volodin, G. M.; Radchenko, L. G.

TITLE: The correction of grouped code errors

SOURCE: AN SSSR. Institut elektromekhaniki Avtomatika, telemekhanika i priboro-
stroyeniye (Automatic control, remote control, and instrument manufacture). Moscow,
Izd-vo Nauka, 1964, 265-273

TOpIC TAGS: interference reduction, binary code, error correction

ABSTRACT: Atmospheric, industrial, and other types of interference are usually corre-
lated, and the distortion they cause in the communication channels are usually grouped
within brief intervals of time. When transmitting information in binary sequence these
interferences produce, most often, distortions of one or several adjacent symbols. The
present paper describes an approach to the correction of such distortions. The errors are
detected and corrected by means of displacement registers coupled with logic circuits.
Such circuits are described by algebraic equations with coefficients from a finite field of
residues over a simple modulus. In the case of 10 - 12 consecutive errors g and a cycle
length n of 400 - 500, the correcting power of coding polynomials can be determined man-

Card 1/2
ually. For larger values of \( g \) and \( n \) one must use computers. Orig. art. has: 29
formulas and 4 figures.

ASSOCIATION: None

SUBMITTED: 24Oct64

NO REF SOV: 003

ENCL: 00

SUB CODE: DP

OTHER: 001
VOLODIN, I.

Peddling and retail trade equipment, Sov. torg., 33 no.11:53-55 N 159. (Retail trade--Equipment and supplies)
VOLODIN, I.

Under the eyes of the buyers. Obshchestv. pit. no.10; 38 0 '60. (MIRA 13;11)
(Cookery (Potatoes))
POLYVODA, G.; KRUTYPOROKH, P., kand.sel'skokhoz.nauk; FEDOROV, N.; YOLODIN, I.

Letters to the editor. Sel'.stroi. 15 no.9:30 8 '69.

1. Direktor Udmurtskoy shkoly stroitel'nykh masterov (desyatnikov)
   (for Polevoda). 2. Direktor Penzenskogo lesprokhoza (for Fedorov).
   3. Sekretary partorganizatsii Penzenskogo lesprokhoza (for Yolodin).

   (Building)
VOLODIN, I.

New machinery for loading and unloading. Sov. torg. 34 no. 12:
53-55 D 160. (Loading and unloading)
STEPAKOVA, V.; VOLODIN, I.

New became a standard. 
(KIRA 14:10)

(Moscow—Self-service stores)
VCLODIN, I. G.

Feeding and Feeding Stuffs


VOLODIN, I.I.; LEVITSKIY, B.I.

Improvement of the technological process of sprocket-chain roller production. (Mashina 6:9)
Sel'khozmashina no.9:29-31 S '53.

(Link-bolting)
L 27819-65 ETV(1)DEC-l/EMA(h) Fw-g/Feb/Pl-l/Pl-l JHB

ACCESSION NR: AR5003535 8/0269/64/000/011/0046/0046


AUTHORS: Bel'kovich, O. I.; Sherstnev, A. N.; Volodin, I. N.

TITLE: Distribution of durations of meteoric radio echoes


TOPIC TAGS: meteor observation, meteoric radio scatter Q

TRANSLATION: A formula is derived for the distribution of the duration of forward-reflected meteoric radio echoes from undercondensed trails, with account of variation of the pressure at the point of maximum ionization. The mass distribution of the meteors is represented by a power law with a probability density.
where $m_0$ — mass of the meteor corresponding to the minimum recorded amplitude $A_0$. An expression is obtained for the probability of the duration distribution of the meteoric radio echoes

$$P = \exp \left( -\frac{N \tau_0}{2} \left( \sqrt{1 + \frac{m}{m_0}} - \sqrt{1 + \frac{m}{m_0}} \right) \right),$$

where $\tau_0$ — time during which the amplitude of the signal from $m_0$ decreases by a factor 4, and $t_{\text{min}}$ — minimum duration of the radio echo registered by the radio apparatus. The presented plots of the density of distribution of the duration of radio echoes, and the histograms of forward reflections from 1150 undercondensed meteoric trails, show good agreement between the theoretical and experimental results.

G. Osipov.
Device for phasing power transformers. Energetik 5 pp. 7-17, 1957.

(Electric transformers)
TITLE: Distribution of durations of meteoric radio echoes


TRANSLATION: A formula is derived for the distribution of the duration of forward-reflected meteoric radio echoes from undercondensed trails, with account of variation of the pressure at the point of maximum ionization. The mass distribution of the meteors is represented by a power law with a probability density.
where \( m_0 \) -- mass of the meteor corresponding to the minimum recorded amplitude \( A_0 \). An expression is obtained for the probability of the duration distribution of the meteoric radio echoes

\[
\rho = \exp \left\{ -\frac{2(t-1)}{2} \left( \sqrt{1 + \frac{\tilde{m}}{3t}} - \sqrt{1 + \frac{t_{\min}}{3t}} \right) \right\}
\]

where \( \tau_0 \) -- time during which the amplitude of the signal from \( m_0 \) decreases by a factor \( L \), and \( t_{\min} \) -- minimum duration of the radio echo registered by the radio apparatus. The presented plots of the density of distribution of the duration of radio echoes, and the histograms of forward reflections from 1150 undercondensed meteoric trails, show good agreement between the theoretical and experimental results.

G. Osipov.
VOLODIN, I.N. (Kazan')

Distinction between the Poisson and Polya distributions based on large numbers of small samples. Teor. veroiat. i ee prim. 10 no.2:364-367 '65.

(MIRA 18:6)
At the Gor'kovskiy avtozavod (Gor'kiy Automobile Works), where malleable cast iron had been modified by boron and bismuth (Ref. 7), the annealing time had been cut from 60 to 35 - 36 hours (annealing in electric 25-t chamber furnace). The Tul'skiy kombaynovyy zavod (Tula Harvesting Combine Works), aided by Tul'skiy mekhanicheskiy institut (Tula Institute of Mechanics), utilized the Gor'kiy works experience and attempted to obtain malleable cast iron with raised strength on account of the predominating perlitic component. Cast iron K4-45-5 (Kch-45-5) used for the experiments had the following composition: (in%): 2.45 - 2.8 C; 0.9 - 1.3 Si; 0.45 - 0.65 Mn; not above 0.12 S; 0.15 P, and 0.07 Cr. It was smelted in a cupola furnace and superheated in an acid electric furnace. The powdered modifier consisted of ferro-silico-boral (an alloy of iron-silicon-boron-
Speeding up the Annealing of Malleable Cast Iron Modified by Boron and Bismuth

-aluminum, with 5-15% B) and metallic bismuth, and was placed in a paper bag and held into the metal jet during pouring into the ladle; 0.003-0.004% B and 0.002-
-0.003% Bi was used (of the metal weight). Parts for a new machine were cast from modified cast iron. The parts and specimens were annealed in laboratory NN-11 (PN-11) chamber furnaces. Three microphotograph sets show the structure of the initial and of the modified cast iron (a and b, Figs. 1,3,4). It was stated that boron and bismuth refined dendrites; the modified iron contained a considerably higher quantity of carbides; it was assumed that cementite of modified iron contained less carbon and hence had other properties than usual, viz. lower stability, which had been proven by I.F. Kurtov et al. (Ref. 7); graphite grains were refined. Five different annealing process versions were tried to study the decomposition rate of primary cementite in the first stage of graphitization. It was considerably more intense in modified cast iron than in the initial cast iron. Cementite of modified cast iron was less stable at all temperatures between 850 and 1,050°C, and the metal had a high tendency to chilling at usual and higher Si content. The finally chosen annealing schedule is shown in Figure 6, with a total time of only 8 hours. It produced malleable cast iron with a tension strength not below 45 kg/mm² and an elongation of 5% and more only when the boron-

Card 2/5
Speeding up the Annealing of Malleable Cast Iron Modified by Boron and Bismuth

-bismuth modifier was used. The experimental results fully confirmed the data obtained by I.F. Kurtov (Ref. 7) and N.G. Girshovich (Refs. 2,8) and proved that addition of boron and bismuth greatly speeds up the annealing of malleable cast iron and improves graphitization but has no marked effect on strength. The author points out that in American practice high-strength cast iron with lowered plasticity is used very extensively, and suggests the application of such cast iron with an ultimate strength which is higher by a factor of 1.5. There are 6 figures and 8 Soviet references.

ASSOCIATION: Tul'skiy mekhanicheskiy institut (Tula Institute of Mechanics) and Tul'skiy kombaynovyy zavod (Tula Harvesting Combine Works)

SUBMITTED: April 6, 1960
Speeding up the Annealing of Malleable Cast Iron Modified by Boron and Bismuth

Figure 1: Structure of Initial and Modified Cast Iron Prior to Annealing. ×100

Figure 3: Structure of Initial and Modified Cast Iron After Holding for 10 min at 900°C. ×100
Speeding up the Annealing of Malleable Cast Iron Modified by Boron and Bismuth

Figure 4:
Structure of Initial and Modified Cast Iron After Holding for 10 hours at 950°C. X 100

Card 5/5.

Figure 6:
Graph of Accelerated Annealing of Modified Malleable Cast Iron.
The Vulcanization of Punctured Rubber Mats and Strips (Vulkanizatsiya probitykh rezinovykh kovrikov i dorozhek)

According to the rules of technical exploitation, rubber mats and strips must be used in the distributing apparatus of sub-stations of 6 kv and on panels of 500 and 380 volts. In practice, after 2 years use, about 20% of the rubber loses its insulating qualities in places and no longer passes the required tests. V.L. Teremayenko and N.A. Skorik, electricians from an electrical supply works, suggested that the dielectrical qualities of the rubber could be restored under local conditions with little loss of time. The process consists of cleaning the damaged part of the rubber, smearing it with rubber cement, applying a piece of raw rubber to it and clamping it to an electric furnace for 15 minutes. It is then cooled with water. The temperature during the vulcanization process should be kept at about 190°C. There is one diagram.

1. Vulcanization--Instrumentation
AUTHOR: Parkhomenko, V. D.; Ganz, S. N.; Golubenko, L. A.; Volodin, I. S.

ORG: Dnepropetrovsk Institute of Chemical Technology (Dnepropetrovskykhimiko-tekhnologicheskii institut)

TITLE: Linear expansion and thermal conductivity coefficients of fluoroplastic material

SOURCE: Dnepropetrovsk, Khimiko-tekhnologicheskii institut. Khimicheskaya tehnologiya, no. 4, 1986, 97-100

TOPIC TAGS: thermal conduction, thermal expansion, temperature coefficient, filler, linear expansion, fluoroplastic material

ABSTRACT: Expansion and thermal conductivity with BaSO₄, MoS₂, graphite, and coke used as fillers. It was shown that a very complex relationship exists between the linear expansion coefficient and the temperature, type and concentration of a filler. Generally, the increased film concentrations contribute toward lowering of the linear expansion coefficient. Thermal conductivity is determined by the filler.
The increased concentration of the filler in the mixture usually increases the thermal conductivity of the fluoroplastic material. Orig. art. has: 4 figures and 1 table.

SUB CODE: 11/SUBM DATE: none/ORIG REF: 008/
In this article the author describes the so-called "production line" method (метод "потока") used when practicing air firing at tow targets at high altitudes over the sea. This method permits the maximum number of passes during one flight shift. For example, four PM-3zh tow targets can be used simultaneously by four fighter flights. The firing is carried out in a zone marked out by four turning points and the total length of legs between the turning points is 240 km. Four to six fighter pilots are assigned to each tow target. Air firing can be practiced also above the clouds. It is imperative that the proper course be maintained by the towing planes and that it be checked by ground radar. At altitudes of 10,000, 9,500, 9,000 and 8,500 m the four towing planes maintain a distance of not less than 50 km from each other, with a vertical interval of 500 m. At that altitude the speed of the towing planes is 525 - 550 km/hr and the fighter planes attack the targets at speeds of 650 - 700 km/hr. A detailed description is given on how the attack is carried out by the fighter planes.
Firing at High Altitude Aerial Targets over the Sea (cont)

The article is illustrated by two diagrams.

AVAILABLE: Library of Congress
Card 2/2
VOLODIN, L.

(MIRA 11:4)

1. Glavnuy energetik treta Belovugol kombinata Kuzbasugol'.
(Coal mining machinery--Electric driving)
KOSSOV, V. V.; BARANOV, E. P.; VOLODIN, L. N.; LEYDKIND, Yu. R.;
MIKHALEVSKYI, B. N.; S UROV, B. P.; DETNEVA, E. V.

[The interbranch balance of production and production
distribution of an economic region] Mashtotsal'noi balans
proizvodstva i raspredeleniia produktii ekonomicheskogo
(MIRA 17:5)

1. Akademiya nauk SSSR. Tsentral'nyy ekonomiko-matematicheskiy institut.
Title: A New Method for Fixing Rollers by Gluing (Novyy metod krepleniya rolkov putem prikisevaniya)

Periodical: Energetik, 1958, No 8, pp 35-36 (USSR)

Abstract: For fixing rollers to walls or to ceilings in wiring a house or factory building, the following method can be used. The cavity in the base of the roller is filled with a mixture of Portland cement and 3% calcium chloride and held firmly to the roller body by a spiral of twisted steel wire running through the central hole. The surface to which the roller is to be fitted is roughened with a file, moistened and the roller glued and affixed. After 5 days drying the roller will support a weight of 40 kg.

There is 1 diagram.

1. Cable supports--Installation
VOLODIN, M.

Prevention of fire hazards in enameling furnaces. Pozh.delo 7
no. 5:9-10 My '64. (MIRA 14:5)
(Electric wire and cable industry—Fires and fire prevention)
VOLODIN, M.

Exhibition of the works of our senior photographers. Sov.foto 20 no.4;27 Ap '60. (MIRA 13:8) (Photography--Exhibitions)
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24 no. 10:22 '62. (MIRA 15:10)

(Hoisting machinery)
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IKRAYMLIT, Г.Б., инш.; ЛОЙТСЯМСКАЯ, М.Г.; КОМЯКОВ, М.В., инш.; БАРКАН, М.А., инш.; КАРАМЗИН, А.П., инш.; ЛЫСАКОВСКИЙ, Г.И., инш.; ВОЛОДИН, М.М., инш.

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(Electric insulators and insulation)
VOLODIN, M.N., insh.; NIZAMUTDINOVL, R.O., insh.; PUCHKOVSKII, V.V., kand.

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no. 6:77-79 Je '58. (Hira 11:9)

(Electric transformers—Testing)
VOLODIN, M.H., inzh; KOFMRR, A.Ya., inzh; MUKHAMETOV, G., inzh

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S '58. (MIRA 11:11)

(Electric lines--Poles)
VOLODIIN, M.M., inzh.; MYAKININ, Ye.O., inzh.; FUCHKOVSKYI, V.V., dotsent, kand. tekhn. nauk


I. Chelyabinskiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva. Predstavljena kafedroy prizvodstva i raspredeleniya elektricheskoy energii. (Electric machinery) (Electric insulators and insulation)
Increase in the efficiency of the Brown-Bowery steam turbine. Prom. energet. 17 no.3:28-29  Mr '62. (MIRA 15:2) (Steam turbines)
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"Problems of antibacterial therapy and immunity in tuberculosis."
Reviewed by N.I. Volodin, N.O. Manikonants, S.F. Serezhnikova.
Probl. tub. 36 no. 6: 110-114 '58 (MIRA 11:10) (TUBERCULOSIS)
Uranova, Ye. V. (Moskva, D-284, Begovaya ul., d. 18, kv. 2); Voiodin, N. I. (Moskva, Shchukinskaya ul., d. 25-a, kv. 17)

Pigmented tumors of the pia mater. Vop. onk. 5 no. 1: 54-59 '59.

1. Iz kafedry patologicheskoy anatomii (zav. - chlan-korrespondent AMN SSSR prof. N. A. Krayevskiy) TSentral'nego instituta usovershenstvovaniya vrachey i proektury bol'nitsy imeni S. P. Botkina (zav. - A. S. Bobrova)

(Melanoma, case reports,
pia mater (Rus))

(Pia mater, neoplasms,
melanoma (Rus))
VOLODIN, N.I., (Moskva)

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Институт эмбриологии и генетики п. Н. Л. Погорелова.
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