

SOV/35-59-4-16/19
The Rostov Sovnarkhos Welders Discuss Welding Industry Development

Engineer I. D. Davidenko, Candidate of Technical Sciences and Stalin Prize Laureate (plant "Krasnyy kotel'shchik") read a report "On the Application of New Steel Grades in the Production of Boilers, and on the Technology of Welding These Steels". His plant is starting the use of the electric slag welding process for steel "Kh18N9Ti" and is studying the welding of austenitic and other steels and alloys. Engineer V. M. Khrumov (plant "Krasnyy kotel'shchik") and Engineer V. T. Kuchta ("Kostel'mash") told of their plant's experience in the reports "The Way of Mechanizing and Automating Welding". Engineer Barflov ("Kostel'mash") and Engineer Kadorzhnyy (SIZM) presented reports on "General Experience in Welding in Carbon Steel". Engineer A. K. Kuchta, Candidate of Technical Sciences, Director of the Rostovskiy Institut Mashinostroyeniya, told of the Rostovskiy Institut Mashinostroyeniya's experience in the reports "The Way of Mechanizing and Automating Welding". Engineer Barflov, Chief of the "Kostel'mash" Central Plant Laboratory, made reports on "Extending the Volume of Casting Work". Introducing Modern Methods of Restoring Parts and Tools".

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SOV/35-59-4-16/18
The Rostov Sovnarkhos Welders Discuss Welding Industry Development

Engineers V. I. Strots and I. I. Zolina delivered reports on "Development and Use of Stamped-Welded Designs to Replace the Cast and Forged, as a Way to Reduce the Weight of Machines". Chief Engineer of "Rostovenergomash", I. I. Yavlenitskiy, told the conference of the experience of the "Rostovenergomash" in the repair and modernization of electric locomotives and the use of new methods of welding joints in critical metal structures. Engineer V. I. Reznikov of Novocherkasskiy elektromotroitel'nyy zavod (Novocherkasskiy Electric Locomotive Plant) reported on the automation of welding processes in the production of electric locomotives. The conference followed the example of the Moscow welders and appealed to all specialists of the Rostov oblast to fulfill their practical obligations in the mechanization of welding and the automation of welding processes in mass production.

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SOV/35-59-4-16/16
The Rostov Sovnarkhos Welders Discuss Welding Industry Development

ASSOCIATION, Rostovskiy Institut Mashinostroyeniya.

Card 6/6

S/130/62/000/001/002/004
A006/A101

AUTHORS: Sokolov, O.N., Tunkov, V.P., Fomin, I.I.
TITLE: Melting of charge iron in a basic open-hearth furnace
PERIODICAL: Metallurg, no. 1, 1962, 21 - 23

TEXT: A technology was developed for the production of charge iron with a carbon content less than 0.015% directly in an open-hearth furnace; the method consisted in carbon oxidation by the combined effect of iron ore and compressed air or oxygen blast to the pool. Experimental heats were made with oxygen and compressed air blast. The charge consisted of cast iron and rejects of low-alloy electric steel; aluminum was added into the ladle. When blowing oxygen through the pool the process of carbon oxidation from 0.64 to 0.014% lasted 1.30 minutes; blowing time was 13 minutes. When using compressed air, carbon oxidation time was 1.47 minutes and blowing time was 12 minutes. The composition of the finished metals was for case 1 (in %): 0.014 C, 0.018 Mn, traces of Si; 0.015 S; 0.007 P; 0.14 Ni, traces of Cr and 0.15 Cu; and for case 2: 0.014 C; 0.019 Mn, traces of Si; 0.010 S; 0.007 P; 0.15 Ni; traces of Cr and 0.18 Cu. ✓

Card 1/2

Melting of charge iron ...

S/130/62/000/001/002/004
A006/A101

The results obtained from the experimental heats showed the possibility of melting "Armco" type iron with a carbon content less than 0.015% and free of chromium, phosphorus and silicon, by the described method. There are 2 figures and 3 tables.

ASSOCIATION: Zavod "Serp i molo^{to}": ("Serp i molo^{to}" Plant).

Card 2/2

18(5)

SOV/19-58-11-281/549

AUTHORS: Zhetvin, N.P., Tunkov, V.P., Fomin, I.I., Bokshitskiy, Ya.M., and Filippycheva, M.M.

TITLE: A Composition for Lining Lost Head-Piece of Molds
(Sostav dlya obmazki pribyl'nykh nastavok)

PERIODICAL: Byulleten, izobreteniy, 1958, Nr 11, p 63 (USSR)

ABSTRACT: Class 31c, 10₀₅. Nr 116156 (593239 of 26 February 1958). A lining mixture in water with water glass or sulfide lye, of the following composition designed to increase the temperature of the lost head and to concentrate the shrinkage cavity in the upper portion of lost head: 15-25% refractory clay, 30-50% ground coke, 20-30% dry wood sawdust, 15-20% sodium nitrate.

Card 1/1

FOVIN, I. F.

The technical minnum for locomotive and railroad wheel fitters Moskva, Transzheldorizdat,
1939. 85 p. (50-42884)

TF383.F75

FOMIN, I.M.

Placement of disconnecter insulators on a cable yarn. Avtom.,
telem. i sviaz' 6 no.10:30 0 '62. (MIRA 16:5)

1. Starshiy elektromekhanik 5-y Sverdlovskoy distantsii signalizatsii
i svyazi Sverdlovskoy dorogi.

(Railroads--Electric equipment)

SIZYKH, V.I.; NOVIKOV, V.P.; SAPOZHNIKOV, V.P.; FOMIN, I.N.

Pre-Cambrian of the Malkhan Range and the southwestern part
of the Yablonovyy Range. Mat. po geol. i pol. iskop. Chit. obl.
no.1:21-26 '63. (MIRA 17:6)

IVANNIKOV, V.F., nauchnyy sotr.; PAKHOMOV, A.Ya., nauchnyy sotr.; UCHAYKIN, V.D., nauchnyy sotr.; FOMIN, I.P., nauchnyy sotr.; TIMOFEYEV, D.T., nauchnyy sotr.; TRET'YAKOV, G.P., red.; SEMENCHUK, S.I., red.; YASHCHEN'KINA, Ye.A., tekhn. red.

[Improve cultivation practices and increase sugar beet yields] So-
vershenstvovat' agrotekhniku, povysht' urozhai sakharnoi svekly.
Kuibyshev, Kuibyshevskoe knizhnoe izd-vo, 1960. 52 p.

(MIRA 14:10)

1. Kinel'skaya selektsionnaya stantsiya Kuibyshevskogo sel'sko-
khozyaystvennogo instituta (for Ivannikov, Pakhomov, Uchaykin, Fo-
min, Timofeyev)

(Sugar beets)

FOMIN, I. T.

SHIDAROV, I.M.; FOMIN, I.T., inzhener, retsenzent; IVANOV, M.Ye, inzhener, retsenzent; MANAKIN, N.V., inzhener, redaktor; TIKHONOV, A.Ya, tekhnicheskii redaktor

[Mechanical drawing] Cherchenie. Moskva, Gos. nauchn.-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1954. 349 p. (MLRA 7:9)
(Mechanical drawing)

SHAMSUTDINOV, R.G., kand.tekhn.nauk; FOMIN, I.T.

Over-all mechanization of the cultivation and harvesting of corn.
Biul.tekh.-ekon.inform. no.11:70-72 '61. (MIRA 14:12)
(Corn (Maize)) (Farm mechanization)

FOMIN, I.V., starshiy inzhener-leytenant

General principles of modeling combat operations. Mor. sbor. 47
no.7:40-46 J1 '64. (MIRA 18:7)

FOMIN, K.F., dotsent; LUKINA, V.A., assistant

Severe candidamycosis in a child caused by large doses of antibiotics. Kaz.med.zhur. 40 no.1:78-80 Ja-F '59.

(MIRA 12:10)

1. Iz kafedry dermato-venerologii Gosudarstvennogo instituta dlya usovershenstvovaniya vrachey g.Stalinska (i.o.zaveduyushchego kafedroy - dotsent K.F.Fomin).

(MONILIASIS)

(ANTIBIOTICS--TOXICOLOGY)

FOMIN, K.F., dots.

Compound treatment of lupus erythematosus. Kaz.med.zhur. no.1:
57-60 Ja-F'61 (MIRA 16:11)

1. Klinika kozhmykh i venericheskikh bolezney (i.o. zav.-dots.
K.F.Fomin) Stalinskogo gosudarstvennogo instituta dlya usov-
vershenstvovaniya vrachey.

*

FOMIN, K. F., dotsent

Cure of psoriasis following co-existing measles. Vest. dermat. i
ven. no. 6:66-68 '61. (MIRA 15:4)

1. Iz kafedry dermato-venerologii (i. o. zav. - dotsent K. F.
Fomin) Kazanskogo meditsinskogo instituta (dir. - dotsent R. A.
Vyaselev)

(MEASLES) (PSORIASIS)

FOMIN, K.F., dotsent

Some ophthalmological data on patients with lupus erythematosus.
Vest.derm.i ven. no.9:28-32 '61. (MIRA 15:5)

1. Iz kafedry dermato-venerologii (i. o. zav. - dotsent K.F. Fomin) Kazanskogo meditsinskogo instituta (dir. - dotsent R.A. Vyaselev).

(LUPUS)

(EYE—DISEASES AND DEFECTS)

FOMIN, K.F., dotsent; BIKENIN, B.S., kand.med.nauk; BIZYAYEV, A.I.,
assistent; NUREYEV, G.G., vrach

Some aspects of work of dermatovenereological services during
the 40 years of existence of the Tatar A.S.S.R. Vest.derm.i
ven. 35 no.1:79-82 Ja '61. (MIRA 14:3)

1. Iz kafedry kozhnykh i venericheskikh bolezney (i.o. zav. -
dotsent K.F. Fomin) Kazanskogo meditsinskogo instituta (dir. -
dotsent R.A. Vyaselev) i Respublikanskogo kozhno-venerologi-
cheskogo dispansera (glavnyy vrach A.V. Maksyutova).
(TATAR A.S.S.R.—DERMATOLOGY)

FOMIN, K.F.

Experience in the treatment of some skin diseases with ganglio-
nic blocking agents. Vest. dermat. i ven. 37 no.7:15-18 JI'63
(MIRA 16:12)

1. Kafedra dermato-venerologii (zav. - prof. G.G.Kondrat'yev)
Kazanskogo meditsinskogo instituta.

L 42028-65 ENT(1)/EEC(b)-2/ENA(h) Pm-L/Pn-L/Pac-L/Pi-L/Pab/Pj-L JM

ACCESSION NR: AP5010946

VR/0286/65/000/007/0130/0131

AUTHORS: Siforskiy, V. P.; Fomin, K. G.; Sitnikov, L. S.; Utyakov, L. L.

TITLE: Multistable unit. Class 42, No. 169876

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 130-131

TOPIC TAGS: klyatron 25

ABSTRACT: This Author Certificate presents a multistable unit. To increase the response rate with amplitude state indication, it is made of a reflex klyatron whose cavity is connected through a pickup loop to a rectifier head (see Fig. 1 on the Enclosure). The rectifier head is connected to a wide-band matching two-terminal pair network whose output is connected between the repeller plate and cathode of the klyatron. Orig. art. has: 1 diagram.

ASSOCIATION: none

SUBMITTED: 14Jan63

ENCL: 01

SUB CODE: EC

NO REF SOV: 000

OTHER: 000

Card 1/2

L 42028-65

ACCESSION NR: AP5010946

ENCLOSURE: 01

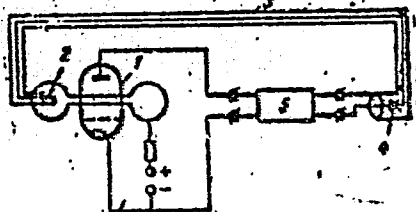


Fig. 1. Multistable unit. 1 - reflex klystron;
2 - pickup loop; 3 - cable; 4 - rectifier head;
5 - matching two-terminal pair network

Card 2/2

FRIDLYANDER I.N.; ANDREYEV. A.D.; PAVLOVA, I.K.; ROMANOVA, O.A.; ARCHAKOVA,
Z.N.; Prinsipali uchastiye: FOMIN, K.N.; POTAPOVA, V.I.; KALININA, Ye.N.

Selecting a technology and studying the effect of techno-
logical factors on the structure and properties of the VAD23
alloy. Alium. splavy no.3:182-193 '64. (MIRA 17:6)

FRIDLYANDER, I.N.; ROMANOVA, O.A.; ARCHAKOVA, Z.N.; GUR'YEV, I.I.;
DRONOVA, N.P.; PETROVA, A.A.; BYCHKOVA, Z.S.; Primali
uchastiye: FOMIN, K.N.; LEBEDEVA, N.S.; REZNIK, P.G.;
AVERKINA, N.; ZHELTOVSKAYA, L.S.; VOROB'YEV, Yu.A.;
TYURIN, N.N.

Manufacture and investigation of semifinished products from
high-strength and heat-resistant VAD23 aluminum alloys.
Alum. splavy no.3:194-200 '64. (MIRA 17:6)

SHRAMKO, B.A.; PETRICHENKO, O.M. [Petrychenko, O.M.]; SOINTSEV, L.O.;
FOMIN, L.D.

Investigating old-Russian iron articles in the ancient settlement
of Donetskoye. Nar.z ist.tekh. no.7:74-87 '61.

(MIRA15:2)

(Kharkov Province—Excavations(Archaeology))

PROSHIN, G.A., kand.tekhn.nauk; SOLNTSEV, L.A., kand.tekhn.nauk; RUDYAK,
N.I., inzh.; FOMIN, L.D., inzh.

Cutting tools made of high-speed cast steel modified with
titanium. Mashinostroenie no.4:108-112 J1-Ag '62. (MIRA 15:9)

1. Khar'kovskiy avtodorozhnyy institut.
(Metal-cutting tools)

FOMIN, L.M.

Penetration depth of wind currents in the ocean. Izv. AN SSSR, Ser.
geofiz.no.2:172-181 P '56. (MIRA 9:7)

1. Akademiya nauk SSSR, Institut okeanologii.
(Ocean currents)

FOMIN, L.M.

Accuracy of the dynamic method of calculating sea currents. Trudy
Inst. okean. 25:118-133 '57. (MIRA 11:2)
(Ocean currents)

FEL'ZENBAUM, A.I.; FOMIN, L.M.; SHTOKMAN, V.B.

Calculating deep-sea currents by means of using the surface currents
and the gradient of atmospheric pressure. Trudy Inst. okean. 25:153-
170 '57. (MIRA 11:2)

(Ocean currents)

FOMIN, L.M.

Possibility of using a dynamic method in ocean current calculations. Biul.Okean kom. no.3:82-90 '59.

(MIRA 13:4)

1. Institut okeanologii AN SSSR.
(Ocean currents)

FOMIN, Luch Mikhaylovich; DOBROVOL'SKIY, A.D., otv.red.; TIKHOMIROVA,
S.G., tekhn.red.

[Theoretical foundations of the dynamic method and its use in
oceanology] Teoreticheskie osnovy dinamicheskogo metoda i
ego primeneniye v okeanologii. Moskva, Izd-vo Akad.nauk SSSR,
1961. 191 p. (MIRA 14:4)
(Oceanographic research)

FOMIN, L.M.

Steady wind-driven currents in a nonhomogeneous ocean with varying
depth. Trudy Inst. okean. 66:29-45 '63. (MIRA 16:10)

FOMIN, L.M.

Conference on the study of the Mediterranean Sea. Okeanologiya 3 no.1:
177-178 '63. (MIRA 17:2)

FOMIN, L.M., kand.geograf.nauk

Study of the Mediterranean Sea; a conference in Gelendzhik.
Vest.AN SSSR 33 no.2:122-123 F '63. (MIRA 16:2)
(Mediterranean Sea—Oceanography—Congresses)

FOMIN, L.M., otv. red.

[Basic characteristics of the geology, hydrological regime,
and biology of Mediterranean Sea] Osnovnye cherty geologi-
cheskogo stroeniia gidrologicheskogo rezhima i biologii
Sredizemnogo moria. Moskva, Nauka, 1965. 222 p.

(MIRA 18:5)

1. Akademiya nauk SSSR. Okeanograficheskaya komissiya.

ACC NR: AP6022224 (N) SOURCE CODE: UR/0362/66/002/006/0656/0663

AUTHOR: Fomin, L. M.; Yampol'skiy, A. D.

ORG: Oceanographic Institute, Academy of Sciences SSSR (Akademiya nauk SSSR, Institut okeanografii)

TITLE: Correlation of the spectra of velocity and pressure or density distribution in the ocean

SOURCE: AN SSSR, Izvestiya. Fizika atmosfery i okeana, v. 2, no. 6, 1966, 656-663

TOPIC TAGS: mathematic model, ocean dynamics, hydrodynamics, fluid density

ABSTRACT: A tentative mathematical model has been derived for defining the relationship between the four-dimensional spectrum of velocity and that of pressure or density of sea water. The model, analogous to systems of automatic control, defines an infinite ocean as dynamic system whose properties are determined by linearized equations of hydrodynamics, accounting for turbulent viscosity. The analog involves the pressure or density field as input, obtaining as output the four-dimensional spectrum of the velocity field. Transfer functions of the system are studied and its basic characteristics are shown to be verified by correct predictions

Card 1/2

UDC: 551.46.01

ACC NR: AP6022224

of the effect of the Earth's rotation upon the ocean's velocity field. Specific conclusions might become feasible if a sufficient amount of research data is available and applied to the model. The authors are extremely grateful to A. S. Monin and V. V. Shtokman for valuable comments and interest in the work. Orig. art. has: 15 formulas and 2 figures.

SUB CODE: 08/ SUBM DATE: 31Jan66/ ORIG REF: 004

Card 2/2

89-4-5-6/26

PCO 4.1.5

AUTHORS: Zeytlenok, G. A., Rumyantsev, V. V., Smirnov, V. L.,
Fomin, L. P., Khokhlov, V. K., Grishayev, I. A.,
Zeydlits, P. M.

TITLE: Principles of the Selection of the **Basic** Parameters of a
Linear Accelerator **of** Electrons **to** High Energy (Osnovaniya
dlya vybora osnovnykh parametrov lineynykh uskoriteley
elektronov na bol'shiye energii)

PERIODICAL: Atomnaya Energiya, 1958, Vol. 4, Nr 5,
pp. 448 - 454 (USSR)

ABSTRACT: By a comparative analysis the dependence of the accelerator
length, the number of sections, the input power, the con-
struction costs, and the possibilities of use on the value
of the electric field strength in the axis of the waveguide
are shown. The section of the waveguide in this case is fed
independently by a high-frequency generator.
The minimum of the construction cost and of the possibilities
of use is not determined by the final energy of the electrons.

Card 1/3

89-4-5-6/26

Principles of the Selection of the Chief Parameters of a Linear Accelerator
for Electrons of High Energy

There is no relation between these points. It could be shown that for the feeding of the accelerator sections a high-frequency generator with a power of more than 20 MW is best suited. The problem of the increase of the duration of the useful part of the high-frequency impulse is ventilated. If a rectangular waveguide is used, the duration of the impulse at the input of the excitation line must be increased by the amount of $L/V_{\text{limit}} - L/C$. In this case it is as well necessary that the high-frequency impulse reaches the amplifying klystron of the first section with a deceleration of the same amount. For that purpose a special synchronizing scheme is needed which simultaneously transfers the phase shift to the other sections. The relation between the duration of the useful part of the impulse and the total duration of the impulse is independent of the final energy of the accelerated electrons. There are 13 figures, 1 table and 2 references, 1 of which is Soviet.

Card 2/3

09-4-5-6/26

Principles of the Selection of the Chief Parameters of a Linear Accelerator
of Electrons to High Energy

SUBMITTED: May 14, 1957

AVAILABLE: Library of Congress

1. Electron accelerators—Design

Card 3/3

FOMIN, L.P.

S/275/63/000/002/004/032
D405/D301

AUTHORS: Levin, V.M., Khokhlov, V.K., Semenov, A.N., Rumyantsev, V.V., Stepanov, S.M., Suslenko, V.K., Fomin, L.P., Shikhov, V.Ya. and Chubinskaya, I.L.

TITLE: Linear 5-35 Mev electron accelerator with X-ray head for medical purposes

PERIODICAL: Referativnyy zhurnal, Elektronika i ee primeneniye, no. 2, 1963, 46, abstract 2A269 (Elektron. uskorigeli, Tomsk, Tomskiy un-t, 1961, 10-15 (Collection))

TEXT: A pulsed accelerator is described. The frequency of the microwave field is about 2800 Mc; the electron energy can smoothly vary from 3 to 35 Mev; the mean electron current in the entire range can be brought to 18 microamperes. The technical characteristics and the design of the accelerator are described. The accelerating system, the microwave supply, the vacuum system and the X-ray head device are considered in detail. All the accelerator elements were tested on laboratory stands and the working drawings

Card 1/2

Linear 5-35 Mev electron ...

S/275/63/000/002/004/032
D405/D301

for the entire equipment were given over to a plant for serial
production.

[Abstracter's note: Complete translation]

Card 2/2

FOMIN, I.P., agronom

251 poods of millet per hectare. Zemelnie 27 no.5:62 My '65.
(MIRA 18:6)

FOMIN, L. V.

"Mechanization of labor in the raw materials warehouse of the Podol'sk Refractory Works"

Ogneupory, No. 3, 1948

COV-132-58-8-9/16

AUTHORS: Fomin, M., Beder, B.A., Kobozev, I.I., Makarenko, F.A. and Rule, N.A.

TITLE: Development of Exploratory Work on Mineral and Thermal Waters of the USSR (O razvitii issledovatel'skikh rabot na mineral'nyye i termal'nyye vody v SSSR)

PERIODICAL: Razvedka i okhrana nedr, 1958, Nr 8, pp 38-42 (USSR)

ABSTRACT: The importance of mineral and thermal waters for all branches of the national economy is stressed by the authors. Their utilization in the USSR is almost insignificant in comparison with the reserves it possesses. Hydrothermal reserves of the USSR as a source of the thermal energy are practically inexhaustible, as reported during the first All-Union conference on geothermic researches, which took place in Moscow in 1956. At present, research is being conducted by many ministries and organizations, and the authors propose that they be concentrated in the Ministry of Geology and of Conservation of Mineral Resources.

ASSOCIATION: Ministerstvo geologii i okhrany nedr SSSR (The Ministry of Geology and Conservation of Mineral Resources of the USSR)

1. Water--USSR 2. Water--Economic aspects

Card 1/1

FOMIN, M., starshiy inzhener

Heating power installations in the Arctic. Grazhd. av. 17 no.8:27
Ag '60. (MIRA 13:9)

(Airplanes--Cold weather operation) .

FOMIN, M.; KANANA, I.; MARUNICH, K., tokar'

Begin a new way of living and working. Sov.profsoiuzy 16
no.10:33-36 My '60. (MIRA 13:6)

1. Predsedatel' zavodskogo komiteta profsoyuza Stalingradskogo metallurgicheskogo zavoda (for Fomin). 2. Predsedatel' komissii po kul'turno-massovoy rabote Stalinskogo metallurzheskogo zavoda (for Kanana). 3. Rukovoditel' khudozhestvennoy samodeyatel'nosti Stalinskogo metallurgicheskogo zavoda (for Marunich).
(Hours of labor) (Labor and laboring classes)

FOMIN, M.; TELEGIN, S.

Twelve days in Japan. Metallurg 7 no.5:36-38 My '62. (MIRA 15:5)

1. Predsedatel' zavodskogo komiteta Donetskogo metallurgicheskogo zavoda (for Fomin).
2. Literaturnyy sotrudnik gazety "Metallurg" (for Telegin).
 - (Russia--Relations (General) with Japan)
 - (Japan--Relations (General) with Russia)

L 38437-66

ACC NR: AF6013416

(A)

SOURCE CODE: UR/0317/65/000/009/0068/0069

AUTHOR: Fomin, M. (Lieutenant colonel in technical corps)

31
B

ORG: None

TITLE: Standards set for repairs of machines and weapons to be changed

SOURCE: Tekhnika i vooruzheniye, no. 9, 1965, 68-69

TOPIC TAGS: ordnance, weapon, ~~M-47 howitzer, G-60 cannon, ZU-4 anti-aircraft gun, FM-9 repair shop~~ *artillery ammunition, cannon*

ABSTRACT: The suggestion of Artillery Major General A. Tikhonov to retain the existing work classification for repairs of artillery armament (suggested in "Tekhnika i vooruzheniye, no. 7, 1965) is not upheld by the author. In the author's opinion, the old division of repairs in three classes (minor, average, major) does not reflect well the time element involved in repair work. A new classification chart is presented by the author where the repairs are divided into two classes (current and average) and then each class is subdivided into two time groups. The so-called current repair class includes replacement of small parts and regular reworking of parts and materials. The time required for this current class of work is estimated up to 20 hours for rifles and up to 30 hours for artillery weapons and is included in the first time group

Card 1/2

L 38437-66

ACC NR: AP6013416

of the current repairs. The time exceeding the at a-mentioned figures belongs to the second time group. The average repair class includes replacements and adjustments of large parts, mechanisms, assemblies, etc. and execution of work of a more complex nature. The first time group of the average repair class includes 40 hours for rifle repairs and 50 hours for artillery equipment. All other repairs over 40 or 50 hours are shown in the second time group. The chart is also precise in that repairs of the current first time group can be executed in the regiment workshops, while the second time group of repairs can be done in the workshops of larger military units. The same large shops can be made responsible for repairs of the first average time group. However, still larger and better organized repair shops are needed for execution of average repairs over 40 or 50 hours.

SUB CODE: 19 / SUBM DATE: None

Card 2/2

FOMIN, M. A. CA		18
Outlook for the development of a fertilizer industry from potassium salt deposits of the Carpathian foothills. M. A. Fomin. <i>Khm. Prom.</i> 1947, No. 6, 3-7. -In this region the outstanding areas are: Kalush, contg. considerable quantities of sylvinite and kainite; Morshin—only slightly studied thus far; and Stebnik, contg. the richest deposits of K salts and of immediate interest. The most important salt in this area is akinite-langbeinite. In treating langbeinite, the main problem is the removal of silt and NaCl. This is achieved by washing with cold water, dewatering, filtering, and drying at 80°. The product thus obtained is a K-Mg salt giving a K₂O cont. of 70-78%. Attempts to treat kainite in the same way gave unsatisfactory results. The scheme for treating the salts of this deposit comprises: (1) Dissolve the kainite-langbeinite salt with a brine at 70°. At this temp. the soln. is supersatd. with MgSO₄ and this step should not last over 0.5 hr. The supersatn. with MgSO₄ is favorable, since it enhances the sepn. of schoenite and inhibits the sepn. of langbeinite. (2) Cool the soln. to 35° to crystallize out KCl, then to 20° to crystallize schoenite. The first of these steps should be carried out rapidly to prevent the crystn. of schoenite. To obtain a schoenite ppt. with less than 1.5% of Cl, brine from the treatment of langbeinite and kieserite should be added to the brine being cooled. The added brine is satd. with MgSO₄ and the cooling of the combined brines causes 2KCl + 2MgSO₄ → K₂SO₄ + MgSO₄ + MgCl₂; (3) Dissolve the halite in the solid residue (langbeinite) from step 1. This is accomplished by washing the residue on a slot elevator with cold H₂O. - (4) Hydrate langbeinite to convert it to schoenite. M. Horsch		
ASB-51A METALLURGICAL ENGINEERING LABORATORY RESEARCH NO. 101 RESEARCH NO. 101		

CHABUYSKIY, A.P.; SHERSTENNIKOV, F.A.; FOMIN, M.G., redaktor; KOVA-
LIKHINA, M.P., tekhnicheskiy redaktor.

[Installation of metal bridges by means of four-pole derricks]
Montazh metallicheskiikh mostov pri pomoshchi chetyrekhmachtovogo
pod'emnika. Moskva, Izd-vo dorozhno-tekhn. lit-ry Gushosdora MVD
SSSR, 1952. 74 p. [Microfilm] (MLRA 7:10)
(Bridges, Iron and steel) (Cranes, derricks, etc.)

FOMIN, M. I.

FOMIN, M. I.: "Methods of selecting and determining the basic rolling parameters for smoothing asphalt concrete." Min Higher Education USSR. Saratov Automobile and Road Institute imeni V. M. Molotov. Saratov, 1956.
(Dissertation for the Degree of Candidate in Technical Sciences).

SO: Knizhnaya Ietopis', No 23, 1956

FOMIN, M.I., kand.tekhn.nauk; KULEV, I.A., inzh.

Performance testing of bitumen dosing pumps. Stroi.i dor.
mashinostr. 5 no.7:30-32 JI '60. (MIRA 13:7)
(Bitumen) (Pumping machinery)

FOMIN, M.I., kand.tekhn.nauk

Determining the effective speed of roller motion in rolling asphalt concrete. Trudy SADI no.16 pt.1:135-145 '59. (MIRA 13:11)
(Road rollers)

FOMIN, M.I., kand.tekhn.nauk; KULEV, I.A., inzh.

Bitumen measuring hopper for the D-333 automatic mixer. Mekh.
stro1. 19 no.12:24 D '62. (MIRA 15:12)
(Mixing machinery) (Bitumen)

SEVROV, K.P., kand. tekhn. nauk; LOZOVY, P.A., kand. tekhn.
nauk; KABALKIN, V.A., kand. tekhn. nauk; FOMIN, M.I.,
kand. tekhn. nauk; POLOVSKIY, A.A., inzh.; BROMBERG,
A.N., doktor tekhn. nauk prof., retsenzent

[Road construction machinery] Dorozhnostroitel'nye ma-
shiny. Moskva, Mashinstroenie, 1965. 384 p.

(MIRA 19:1)

(14)

L 25587-56 ENT(d)/EWP(h)/EWP(1)

ACC NR: AM6004821

Monograph

UR/

27

B+1

Sevrov, K. P.; Lozovoy, D. A.; Kabalkin, V. A.; Fomin, M. I.; Pokrovskiy, A. A.

Road construction machinery (Dorozhnostroitel'nyye mashiny) Moscow, Izd-vo "Mashinostroyeniye", 1965. 384 p. illus., biblio. Errata slip inserted. 10,000 copies printed. Textbook for students specializing in road construction machinery at institutions of higher learning

TOPIC TAGS: highway engineering, excavating machinery, construction machinery, road
PURPOSE AND COVERAGE: The book describes the constructions of road building machines of Soviet manufacture (predominantly new models), and contains a brief review of the constructions of foreign machines as well as a description of original model designs. The main trends in the development of road building machinery are indicated. The purpose of the book was to help future engineers in the study of the construction of such machinery and is a textbook for students in courses of "Construction and Road Building Machinery and Equipment" and "Automobile Roads" of polytechnic and automobile-road institutes. It can also be used by engineers and technicians, mechanics, and constructors, during the operation of road-building machinery. It is intended to serve as a companion to the existing textbooks on the theory and design of machinery. Chapters 1, 2, and 4 were written by engineer A. A. Pikrovskiy, Ch. 3 by Candidate of Technical Sciences D. A. Lozov, Ch. 6 by Candidate of Technical Sciences K. P. Sevrov, Ch. 8 by Candidate of Technical Sciences V. A. Kabalkin, Chs. 9 and 10 by Candidate of Technical Sciences M. I. Fomin, Ch. 5 by Candidate of Technical Sciences N. L. Zhikharev, and Ch. 7 by B. N. Zakharov. The overall editor of

Card 1/2

UDC: 621.0:625.002.2(075.8)

L 25587-66

ACC NR: AI6004821

the textbook was Candidate of Technical Sciences, Professor K. P. Sevrov

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Ch. 1. Propulsion means and control mechanisms - -	5
Ch. 2. Machines for preparatory work - -	27
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Ch. 7. Machines and equipment for the preparation of concrete mixtures - -	241
Ch. 8. Machines for the construction of the base, pouring, compacting, and finishing concrete - -	267
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Literature - -	382

SUB CODE: 13/

SUBM DATE: 05Jun65/

ORIG REF: 018

Card 2/2 dca

S/124/63/000/003/022/065
D234/D308

AUTHORS: Mkhitaryan, A. M. and Fomin, M. M.

TITLE: Hydromechanical calculation of filtration through an earth dam with a screen and a spillway front with an inclined water arresting device

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 3, 1963, 123, abstract 3B764 (Visti in-tu hidrol. i hidrotekhn. AN URSR, 1961, v. 18 (25), 82-92 (Ukr.))

TEXT: The authors give a solution for a homogeneous earth dam as above, with no water in the downstream. It is assumed that the soil of the dam body and foundation is the same, the screen and the spillway front are waterproof, there is no drainage and no stream outlet into the downstream part and all flow behind the dam is due to filtration through its foundation. The stream is divided into three parts: upstream foundation (a half-strip with inclined side), the section above the spillway front (rectangle) and the bottom fragment (free stream on the inclined water arresting device li-

Card 1/2

Hydromechanical calculation ...

S/124/63/000/003/022/065
D234/D308

mitted by a normal equipotential line separating it from the second fragment, and by the bottom side of the screen), for each of which a rigorous hydromechanical solution is constructed. With the assumptions made in the fragment method it is easy to obtain a simple hydraulic solution whose accuracy may be not lower than that of the exceedingly complicated solution proposed by the authors. [Abstracter's note: Complete translation.]

Card 2/2

BLYUMTER, G.N.; VAKHROMEYEV, G.S.; FOMIN, M.M.

Using geophysical methods in prospecting for carbonatite deposits.
Biul.nauch.-tekh.inform.VIMS no.1:28-32 '60. (MIRA 15:5)

1. Kontora "Vostsibneftegeofizika" Urkutskogo geologicheskogo
upravleniya.

(Prospecting--Geophysical methods) (Rocks, Carbonate)

Fe-m 10, 1111-
ANTIPOV, V.P.; LOBKOV, M.K.; FOMIN, M.P.

Collection of tables for geodetic calculations. Geod. i kart.
no.4:77-79 Ap '57. (MIRA 10:8)

(Geodesy--Tables, etc.)

GAYDAYEV, Petr Alekseyevich; FOMIN, Mikhail Pavlovich; GUTER, R.S.; YERO-
FEYEV, I.P.; MILEVSKIY, Yu.G.; MURALEV, Ya.G.; FOMIN, M.P.; SHURYGI-
NA, A.I., red. izd-va; ROMANOVA, V.V., tekhn. red.

[Adjustment of second-order triangulation by approximations] Uravni-
vanie triangulyatsii 2 klassa priblizheniyami. Moskva, Izd-vo geodez.
lit-ry, 1960. 36 p. (MIRA 14:6)
(Triangulation)

SUDAKOV, S.G.; ALEKSANDROV, T.F.; BULANOV, A.I.; DURNEV, A.I.;
 YELISEYEV, S.V.; ZAKATOV, P.S.; IZOTOV, A.A.; KARLOV, G.M.;
 KUZ'MIN, B.S.; KUKUSHKIN, A.D.; KOLUPAYEV, A.P.; KOZLOVA, Ye.A.;
 LARIN, B.A.; LARIN, D.A.; LARIN, B.A.; LITVINOV, B.A.; MAZAYEV,
 A.V.; PELLINEN, L.P.; PETROV, A.I.; SOLOV'YEV, A.I.; TOMILIN, A.F.;
 URALOV, S.S.; USPENSKIY, M.S.; FOMIN, M.P.; SHISHKIN, V.N.; SHCHEGLOV,
 A.P.; SUDAKOV, S.G., otv. red.; KOMARKOVA, L.M., red. izd-vz; SUNGUROV,
 V.S., tekhn. red.

[Instruction concerning the building-up of a state geodetic network
 in the U.S.S.R.] Instruktسيا o postroenii gosudarstvennoi geodezi-
 cheskoj seti Soiuza SSR; obiazatel'na dlia vseh vedomstv i uch-
 rezhdenii, proizvodiashchikh gosudarstvennye geodezicheskie seti.
 Moskva, Izd-vo geodez. lit-ry, 1961. 459 p. (MIRA 15:6)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i karto-
 grafii.

(Geodesy)

FO M IV

В. Г. Дубинский,

А. И. Ковалев

Проект автоматизированной системы для анализа параметров сигналов

А. В. Корнеев

Исследование возможности применения фазометрических систем для измерения параметров сигналов

В. В. Козлов,

В. А. Козлов,

Г. В. Козлов,

В. А. Козлов

Опыт разработки автоматизированной радиотехники

В. Г. Степанов

Исследование проблемы для автоматизированной системы анализа параметров сигналов радиотехники

11 июня

(с 10 до 22 часов)

М. И. Фомин

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А. М. Прохоров

Исследование возможности применения систем автоматизированной радиотехники для радиотехники

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А. М. Прохоров

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В. В. Шубин,

В. В. Шубин

Исследование возможности применения систем автоматизированной радиотехники для радиотехники

А. М. Прохоров

Исследование возможности применения систем автоматизированной радиотехники для радиотехники

9 июня

(с 10 до 12 часов)

report submitted for the Confidential Meeting of the Scientific Technological Society of
Radio Engineering and Electrical Communications to A. G. Popov (VSEI), Moscow,
6-12 June, 1957

100000, M. V.

Министерство связи СССР. Техническое управление Новые разработки в области радиосвязи и радиовещания: информационный сборник (New Developments in the Field of Radio Communication and Radio Broadcasting: Informational Collection) Moscow, Svyazizdat, 1959. 80 p. 11,500 copies printed. (Series: Tekhnika svyazi) Resp. Ed.: A. S. Vladimirov, Ed.: V. I. Babur; Tech. Ed.: G. I. Shafer. PURPOSE: This collection of articles is intended for technical personnel concerned with the development and operation of radio communication and radio broadcasting. COVERAGE: The book contains, according to the Foreword, information on new developments realized at the Gosudarstvennyy nauchno-issledovatel'skiy institut Ministerstva svyazi SSSR (State Scientific Research Institute of the Ministry of Communication USSR). Radio communication and radio broadcasting apparatus are described. Several articles are concerned with the development of new checking and measuring instruments. No personalities are mentioned. There are no references.	49
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Babrov, A. I. Generator of DS-R-50-Type Signals With Calibrated Output Level	59
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S/019/62/000/007/007/088

A154/A126

9.1310

AUTHORS: Fomin, M.V.; Rabinovich, G.I.

TITLE: An alternating waveguide load

PERIODICAL: Byulleten' izobreteniy, no. 7, 1962, 19

TEXT: Class 21a⁴, 71. No. 145913 (644795/26 of November 23, 1959). An alternating waveguide load made up of a matched and a reflecting element is distinguished by the fact that the reflecting element (pin) is fixed on a dielectric lever and is moved in the transverse plane of the waveguide to independently regulate the modulus and phase of the reflection coefficient. ✓

Card 1/1

FOMIN, M.V.; RABINOVICH, G.I.

Band-type microwave reflectometer. Elektrosviaz'

16 no.9:33-41 S '62.

(MIRA 15:9)

(Microwave measurements)

(Radio relay systems)

FOMIN, M.V., inzh.

Device for measuring transmitted power of FM shortwave transmitters.
Vest. svlazi 23 no.9:3-4 S '63. (MIRA 16:10)

FOMIN, N.

French silos built of concrete slabs. Sel'.stroitel' no.8:17 Ag '56.
(MLBA 9:10)

1.Zaveduyushchiy otdelom po stroitel'stvu v kolkhхозakh Drissenskogo
rayona Vitebskoy oblasti BSSR.
(Silos)

FOMIN, N., polkovnik

Battalion forces a water barrier on the march. Voen. vest. 43
no.6:72-77 Je '63. (MIRA 16:6)
(Stream crossing, Military)

FOMIN, N.

Positive results obtained in cattle fattening on specialized farms.
Mas.ind. #34 no.1:45-47 '63. (MIRA 16:4)

1. Direktor Veronezhskogo tresta "Skotootkorm".
(Cattle—Feeding and feeds)

BURDIN, I.; FOMIN, N.; ANDREYEV, M.; POLONSKIY, G.

The accounting journal and collation of accounting data at the bank. Den. 1 kred. 19 no. 1:56-62 Ja '61. (MIRA 14:2)

1. Glavnyy bukhgalter Chernigovskoy oblastnoy kontory Gosbanka (for Burdin). 2. Glavnyy bukhgalter kirovogradskoy oblastnoy kontory Gosbanka (for Fomin). 3. Starshiy inspektor Saratovskoy oblastnoy kontory Gosbanka (for Andreyev).
(Banks and banking—Accounting)

FOMIN, N.

Engineers get acquainted with new techniques. Kozh.-obuv.
prom.3 no.4:39 Ap '61. (MIRA 14:5)
(Leningrad—Leather industry)
(Employees, Training of)

FOMIN, N.

Thousands of rubles are "burnt" to no purpose. Grazhd.av. 19
no.7:25 J1 '62. (MIRA 15:8)

1. Zamestitel' nachal'nika planovogo otdela Dal'nevostochnogo
territorial'nogo upravleniya Grazhdanskogo vozdushnogo flota.
(Airplanes--Fuel)

FOMIN, N.

Thousands of roubles are "burnt" needlessly. Letecky obzor
6 no.11:342 '62.

1. Zastupce naczelnika planovaciho oddeleni, Dal'nevostochnoye
territorial'noye upravleniye Grazhdanskogo vozdušnogo flota.

ACC NR: AP6033641

SOURCE CODE: UR/0018/66/000/010/0042/0048

AUTHOR: Fomin, N. (Colonel)

ORG: none

TITLE: Ethical and psychological training of troops

SOURCE: Voyenny vestnik, no. 10, 1966, 42-48

TOPIC TAGS: army psychology, psychologic warfare training, ~~applied psychology,~~
~~training~~ *ground force training*

ABSTRACT: The Main Administration for the Combat Training of Ground Troops held a military-theoretical conference on the ethical and psychological training of personnel to prepare them for action in a nuclear war. It is said that the study of capitalist military psychology and means and methods of psychologically conditioning troops will aid in giving a deeper understanding of how aggressive armed forces are built, the weak and strong points in their military and ethical training, and how to use this information to improve the combat readiness of Soviet troops. Field training should be stressed, particularly for the purpose of developing such psychological qualities as boldness, decisiveness, and will power, and the physical qualities of endurance, speed, dexterity, and stability. It was proposed to organize at the Main Administration a special scientific center for investigating problems concerning the ethical and psychological training of troops.

SUB CODE: 05, 15/ SUBM DATE: none

Card 1/1

FOMIN, NIKOLAY ALEKSANDROVICH.

K raschetu zaklepochnykh soedinenii. Moskva, 1935. 27 p., tables, diagrs.
(TSAGI. Trudy, no. 205)

Summary in English.

Title tr.: Design of riveted connections.

QA911.1465 no. 205

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

FOMIN, NIKOLAI ALEKSANDROVICH.

Konstruktsiia kryla sovremennogo samoleta. Moskva, Glav. red.
aviatsionnoi lit-ry, 1946. 187 p., illus.

Bibliography: p. 186.

Title tr.: Structure of a modern airplane wing.

TL672.F6

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

POMIN, N. A. (Grad stud)

Dissertation: "Determination of the Basic Parameters of an Airplane in Preliminary Designing." Cand Tech Sci, Moscow Order of Lenin Aviation Institute imeni Sergo Ordzhonikidze, 28 Jun 54. (Vechernyaya Moskva, Moscow, 18 Jun 54)

SO: SOI 518, 23 Dec 1954

ZONSHAYN, Semen Iosifovich; MERKULOV, A.P., redaktor, inzhener; PETROVA, I.A., redaktor; MYASISHCHEV, V.M., professor, retsenzent; FOMIN, N.A., dotsent, kandidat tekhnicheskikh nauk, retsenzent, MANUCHAROV, V.A., inzhener, retsenzent; GLADKIKH, N.N., tekhnicheskii redaktor

[Aerodynamics and construction of an airplane] Aerodinamika i konstruktsiia samoleta. Moskva, Gos. izd-vo obor. promyshl., 1955. 243 p.
(Airplanes--Design and construction) (MIRA 9:2)

ISAKOV, Petr Kuz'mich; KAZNEVSKIY, Viktor Pavlovich; LUTSKIY, Valeriy Konstantinovich; RAPOPORT, Tamara Lyudvigovna; DOBRONRAVOV, V.V., prof., retsenzent; FOMIN, N.A., prof., retsenzent; MERKULOV, I.A., retsenzent; IL'YASHENKO, S.M., kand.tekhn. nauk, retsenzent; VARVAROV, N.A., retsenzent; PANTILEYEV, V.G., retsenzent; GLUKHOV, V.V., retsenzent; GORODENSKIY, L.M., red.; FURMAN, G.V., tekhred.

[Artificial earth satellites; 100 questions and answers]
Iskusstvennye sputniki zemli; 100 voprosov i otvetov. Pod
red. V.P.Kaznevskogo. Moskva, Obshchestvo po rasprostra-
neniyu polit. i nauchn.znaniy, 1959. 95 p. (MIRA 12:6)
(Artificial satellites)

Fomin, N.A.

1(0) P 2

PHASE I BOOK EXPLOITATION

SOV/2835

Moscow. Aviatsionnyy institut im. Sergo Ordzhonikidze

Voprosy proyektirovaniya samoletov; sbornik statey (Problems in Aircraft Designing; Collection of Articles) Moscow, Oborongiz, 1959. 74 p. (Series: Its: Trudy, vyp. 108) Errata slip inserted. 3,100 copies printed.

Sponsoring Agency: Ministerstvo vysshego obrazovaniya SSSR.

Ed.: A.L. Gimmel'farb, Candidate of Technical Sciences, Docent; Ed. of Publishing House: K. I. Grigorash; Tech. Ed.: L. A. Pukhlikov; Managing-Ed.: A.S. Zaymovskaya, Engineer.

PURPOSE: This book is intended for personnel in the design offices of aircraft plants. It may also be used by students at aviation institutes.

COVERAGE: This collection of articles describes the results of theoretical and experimental investigation connected with the determination, during the designing stage, of basic aircraft and wing parameters, total weight of aircraft and its components, type of engines and the amount of fuel. Problems of

Card 1/4

Problems in Aircraft Designing (Cont.)

SOV/2835

aircraft strength and stability are also considered. No personalities are mentioned. References appear in the text.

TABLE OF CONTENTS:

Preface

3

Fomin, N.A. [Candidate of Technical Sciences], Methods for Determining the Basic Parameters of Aircraft and Aircraft Wings

5

The author determines basic parameters of aircraft and selects from them the most important. These are: Total weight of aircraft, wing-surface design and weight, and the necessary thrust for starting.

Gimmel'farb, A.L. [Candidate of Technical Sciences], Calculating Necessary Fuel Supply and Total Weight of Aircraft During the Designing Stage

37

In this article the author deducts simple weight formulas based on only two static coefficients:

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Problems in Aircraft Designing (Cont.)

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weight efficiency and fuel consumption.

Fadeyev, N.N. [Candidate of Technical Science]. Comparative Evaluation of Aircraft Engines According to Their Weight in Flight

41

A method is given to help in the selection of an engine for a given aircraft and for determined régimes and flight distances

Zhevagina, A.A. [Candidate of Technical Sciences]. Determination of Critical Stresses in Laminar Compressed Panels With Veneer Covering

52

Results of an investigation show that sufficient support is formed for a thin veneer lining by a filling with the specific weight of $0.065 \pm 0.1 \text{ gr/cm}^3$. With this filling the panel behaves as a homogeneous body until the moment of a general loss of rigidity.

Voyt, Ye.S. [Candidate of Technical Sciences]. Stability of a Crossed-Bar Assembly Which Has Been Compressed in One Direction

59

The author is concerned with the plane and curved

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Problems in Aircraft Designing (Cont.)

SOV/2835

reinforced panels used in ship and aircraft construction. He analyses the influence of separate factors on the stability of the panels and indicates practical methods of choosing, in the first approximation, the most convenient disposition of basic elements of the panel.

AVAILABLE: Library of Congress

Card 4/4

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11-23-59

PHASE I BOOK EXPLOITATION

SOV/5893

Fomin, Nikolay Aleksandrovich *AS*

Proyektirovaniye samoletov; opredeleniye vesa, komponovka, vybor skhemy i osnovnykh parametrov (Aircraft Design; Weight Determination, Grouping, System and Basic Parameter Selection) Moscow, Oborongiz, 1961. 361 p. Errata slip inserted. 10,000 copies printed.

Reviewers: A. A. Komarov, Candidate of Technical Sciences, and M. N. Petrov, Doctor of Technical Sciences, Professor; Ed.: A. L. Gimmel'farb, Candidate of Technical Sciences, Docent; Ed. of Publishing House: F. G. Tubyanskaya; Tech. Ed.: V. P. Rozhin; Managing Ed.: S. D. Krasil'nikov, Engineer.

PURPOSE: The book is intended for students in aviation institutes and can also be useful to engineers in the aviation industry.

COVERAGE: The book deals with problems of aircraft design, including the fol-

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Aircraft Design (Cont.)

SOV/5893

lowing: weight estimates of the projected aircraft; selection of its aerodynamic and structural profile; general arrangement; and determination of the optimum parameters of the entire aircraft as well as of its components.

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Ch. I. Brief Historical Review of the Development of Basic Flight Characteristics, Parameters, and Design of Aircraft	15
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Card 2/0 2

S/535/61/000/138/001/008
E031/E177

AUTHOR: Fomin, N.A., Candidate of Technical Sciences
TITLE: Determination of the maximum speed of a supersonic aircraft in horizontal flight
SOURCE: Moscow. Aviatsionnyy institut. Trudy. no.138. 1961. Metody priblizhennykh raschetov i vybora parametrov pri proyektirovanii samoletov. 5-11.

TEXT: Factors on which maximum velocity depends are discussed briefly, and it is shown that the maximum speed is achieved when relative structural weight, and specific weight of engines and fuel (depending on length of flight) are at a minimum. The various parameters in connection with the relative structural weight are then discussed. Where structural strength is maintained, the relative structural weight increases with an increase in the maximum Mach number. The effect of kinetic heating on relative structural weight is also covered. There are 6 figures and 1 Soviet-bloc reference.

Card 1/1

Fomin, Nikolay Aleksandrovich

Proyektirovaniye samolstov; opredeleniye vesa.
Komponovka. Vybory skhemy I osnovnykh parametrov.

Moskva, Oborongiz, 1961.

361 P. illus., diagrs., graphs, tables.

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Card 1/1

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