

PHASE I BOOK EXPLOITATION

SOV/4741

Ischanskiy, Iosif Aleksandrovich, and Aleksandr Aleksandrovich Yanovskiy

Suda na kryl'yakh (Ships on Wings) Leningrad, Sudpromgiz, 1960. 109 p.  
7,500 copies printed.

Scientific Ed.: V.F. Meylunas; Ed.: L.L. Stolyarskiy; Tech. Ed.:  
P.S. Frumkin.

PURPOSE: This is a popular style booklet intended for the general reader.

COVERAGE: The booklet describes various types of hydrofoils which increase the  
cruising speed of ships. The construction of ships fitted with these devices,  
their properties, advantages, and development possibilities are discussed.  
Photos and brief descriptions of several Soviet hydrofoil ships are given.  
No personalities are mentioned. There are 3 references, all Soviet.

TABLE OF CONTENTS:

The Fight for Speed

3

~~Card 1/4~~

KARAVAYEVA, O.N., inzh.; LUCHANSKIY, I.A., kand.tekhn.nauk

Direction of the rotation of controllable pitch propellers on  
twin propeller vessels. Sudostroenie 27 no.3:9-11 Mr '61.

(MIRA 14:3)

(Propellers)

LUCHANSKIY, Iosif Aleksandrovich; YANOVSKIY, Aleksandr Aleksandrovich;  
ROZHDESTVENSKIY, V.V., dots., retsenzent; FATSMAN, F.M., inzh.,  
retsenzent; YEGOROV, S.A., nauchn. red.; LISOK, E.I., red.

[From the oar to the water jet propeller] Ot vesla do vodo-  
meta. Leningrad, Izd-vo "Sudostroenie," 1964. 208 p.  
(MIRA 17:5)

ACC NR: AM6032635

(N)

Monograph

UR/

Zvyagintsev, Yefim Vasil'yevich; Kaplun, Semen Markovich; Kryuger, Yevgeniy Adol'fovich; Lofenfel'd, Yevgeniy Grigor'yevich; Luchanskiy, Iosif Aleksandrovich; Yanovski, Aleksandr Aleksandrovich

Marine screw propellers of variable pitch; manufacture, assembly and testing (Sudovyye grebnyye vinty reguliruyemogo shaga; izgotovleniye, montazh i ispytaniya) [Leningrad] Izd-vo "Sudostroyeniye," 1966. 283 p. illus., biblio. 3,000 copies printed.

TOPIC TAGS: marine engineering, mechanical engineering

PURPOSE AND COVERAGE: The book is intended for technologists, designers, and other specialists interested in the problems of manufacturing, assembling, testing, and maintaining variable pitch propellers. General information is given and design methods and actual forces and moments acting on variable-pitch propellers are discussed. Data on the strength of and materials used in individual parts and methods for increasing their fatigue strength and corrosion resistance are presented. Technological manufacturing processes of the main parts variable-pitch propellers, shafts, control mechanisms, as well as associated instruments and attachments, are described. Primary attention has been paid to the assembly and testing of variable-pitch propellers, their installation on vessels,

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UDC: 629.12.002.72.037

ACC NR: AM6032635

and marine tests. There are 12 references, all Soviet.

TABLE OF CONTENTS (abridged):

Foreward -- 3

Ch. I. General information on variable-pitch propellers -- 5

Ch. II. Materials used for fabricating parts and units of variable-pitch propellers -- 36

Ch. III. Methods for increasing the fatigue strength and the corrosion-fatigue strength of parts of variable-pitch propellers -- 55

Ch. IV. Manufacturing parts and units of variable pitch propellers -- 73

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SUB CODE: 013/ SUBM DATE: 29Dec65/ ORIG REF: 012/

Card: 2/2

25(2)

SOV/117-59-6-12/33

AUTHOR: Luchanskiy, L.Kh., Engineer

TITLE: Electric Slag Welding Equipment

PERIODICAL: Mashinostroitel', 1959, Nr 6, pp 21-27 (USSR)

ABSTRACT: A number of machines for electric slag welding, developed by the Institut electrosvarki imeni Ye.O. Patona (The Electric Welding Institute imeni Ye.O. Paton) are described and illustrated. "A-350" (Figure 1) is a railless device for welding vertical joints in 50 to 180 mm thick metal. Its welding head has mechanisms for the feed of electrode wires and for the cross, back and forward movement of the electrodes. Its two carriages run along both sides of the joint. The "A-372 M" (Figure 2) for one-pass vertical welds in 60 to 250 mm thick metal has a carriage moving on a vertical rack with a speed of 0.4 to 5 meters per hour. The carriage speed is controlled automatically. It can work with two or three electrodes,

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### Electric Slag Welding Equipment

depending on the thickness of metal. With the special head of TsNIITMASH design (Figure 3), this device can weld joints 400 to 600 mm thick. The "A-433" device, running on rails, is for vertical or near-vertical curved joints in 10 to 50 mm thick metal, with forced formation of seam by means of a water-cooled copper slider. The versatile "A-372 R" is for strait joints 50 to 450 mm and even 600 mm thick, if used with the device permitting work with a plate electrode. The "A-385" (Figure 6) is for circular joints, 60 to 250 mm thick and up to 3,200 mm in diameter. With the "A-460" (Figure 7) device, ring joints having a thickness of up to 450 mm are welded. It has elongated electrode holders, permitting the joining of flanges. The single-rail column with a rack, along which the device moves is placed on a hand-controlled carriage. The automatic "A-535" (Figure 8) welds with wire or laminated elec-

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Electric Slag Welding Equipment

trodes butt, T, and corner joints, also longitudinal and ring joints, 50 to 500 mm thick. "A-480" is a multielectrode (18 electrodes) device for welding rectangular sections of up to 1.5 m width and height. "A-411" and its modernized version "A-501" (Figure 9) belong to the magnetic walking type. They "walk" in vertical direction by means of two electromagnets which are demagnetized in turns. "A-501" welds vertical corner and T joints. Welding metal of a thickness of up to 200 mm by the "melting electrode holder" method is done with the "A-545" (Figure 11). The device, designed by the TsNIITMASH, welds with 18 electrodes straight short joints of up to 1,000 mm thickness. The device designed by the NII sudostroi-tel'noy promyshlennosti (Scientific Research Institute of the Ship Building Industry) is shown in Figure 13. Its electrode holders are made of copper

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Electric Slag Welding Equipment

plates and direct the electrode wire into the welding zone, and serve as supply lines for the current. The article includes design and operational details of the above mentioned machines, and the explanation of the "melting electrode holder"-method. There are 13 diagrams and 1 table.

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S/117/60/000/003/002/004  
A004/A001

AUTHOR: Luchanskiy, L. Kh., Engineer

TITLE: Electric Slag Welding<sup>18</sup> of Big-Sized Shafts

PERIODICAL: Mashinostroitel<sup>1</sup>; 1960, No. 3, pp. 28-30

TEXT: The author reports on the new automatic method of electric slag welding which was developed by the Institut elektrosvarki imeni Ye. O. Patona (Institute of Electric Welding imeni Ye. O. Paton) together with the Novo-Kramatorskiy zavod (Novo-Kramatorskiy Plant) at Kramatorsk and "Krasnyy kotel'shchik" at Taganrog. He compares various welding processes by the new method, i. e. electric slag welding of hollow cylindrical shafts, of ring-shaped seams, and of shafts with solid cross-sections and points out that the electric slag welding method is mainly used in the manufacture of big-sized shafts for hydrogenerators and hydroturbines, where forged and cast parts are assembled by this method. Thus welded shafts were manufactured at the Novo-Kramatorskiy Plant for the electric power stations of Stalingrad, Varvarinsk, Novosibirsk and Kuybyshev. The shafts possessed a thick-walled cylindrical forged part and cast flanges and weighed 48 t and 36 t respectively. Straight vertical seams

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Electric Slag Welding of Big-Sized Shafts

S/117/60/000/003/002/004  
A004/A001

are welded with the A-372-P (A-372-R) welding apparatus, while ring-shaped seams are made in the most expedient way with the aid of the A-460 welding apparatus, both installations being a design of the Institute of Electric Welding im. Ye. O. Paton of the AS UkrSSR. The manufacture of welded 300-t shafts with a cylindrical part of 130 mm wall-thickness for hydroturbines of the Novosibirsk Power Station resulted in savings of 35%. The welded shaft for the Kremenchug Power Station is by 32.95 t lighter than forged ones. The author reports on the manufacture of an experimental shaft for hydroturbines, which was a welded assembly of cast and rolled parts and was made at the Leningradskiy metallicheskiy zavod (Leningrad Metallicheskiy Plant) by the Welding Department of the TsNIITMASH. Technical data on this design are given. The welding of solid shaft parts is effected with the A-480 multi-electrode welding apparatus, a design of the Institute of Electric Welding im. Ye. O. Paton. Concluding, the author points out that the manufacture of welded shaft constructions for hydroturbines and hydrogenerators, assembled from forged or pressed cylindrical parts and cast flanges, results in considerable metal savings, reduces production costs and sets free unique forging-pressing and mechanical equipment, while the weight of welded shafts is considerable lower compared with fully forged designs. There are 9 figures and 4 tables.

Card 2/2

LUCHANSKIY, L.N.; REDCHENKO, I.A.

Dispersion of carbon black in nitrocellulose solutions of lowered  
and low viscosity. Lakokras.mat. i ikh prim. no.4:80-83 '60.(MIRA 13:10)

1. Tsentral'naya zavodskaya laboratoriya L'vovskogo lakokrasochnogo zavoda.  
(Nitrocellulose) (Carbon black) (Paint)

LUCHANSKIY, L.N.; DAVYDOV, A.V.; SHEYNFEL'D, B.Sh.

Using tall oil for the preparation of rosin-containing alkyd resins. Lakokras. mat. i ikh prim. no.6:75-77 '61. (MIRA 15:3)

1. L'vovskiy lakokrasochnyy zavod.  
(Tall oil) (Gums and resins)

L 04963-01 EWI(m)/EWP(j) RM

ACC NR: AP6006724

(A)

SOURCE CODE: UR/0303/66/000/001/0059/0063

AUTHOR: Luchanskiy, L. N.; Gal'perin, N. I.

17  
13

ORG: none

TITLE: Study of the continuous film-azeotropic method of polyesterification in the synthesis of alkyd resins ✓

SOURCE: Lakokrasochnyye materialy i ikh primeneniye, no. 1, 1966, 59-63

TOPIC TAGS: polyester plastic, alkyd resin, esterification, varnish, azeotropic mixture

ABSTRACT: The process of synthesis of glyptal resin No. 188 (TU MKhP 1819-48) and pentaphthalic varnish No. 170 A (TU MKhP 4123-53) was investigated. A column apparatus was used for the polyesterification. The latter was carried out in an inert solvent (xylene) which formed a heteroazeotropic mixture with water; the combination of conditions under which a liquid film was formed with azeotropic distillation of the water produced the most favorable conditions for the polyesterification reaction. The change in the acid number and viscosity of resin No. 188 was studied as a function of the feed rate and temperature. It is shown that in the synthesis of alkyd resins in a column apparatus by the film-azeotropic method, the decrease in the acid numbers of the esterification product occurs in a few minutes instead of the many hours required in an ordinary process, and that resin No. 188 can be produced in a rotor film-

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UDC: 667.661.1

L 04963-67

ACC NR: AP6006724

type column unit at 250-255°C. It is concluded that the possibility of considerably raising the temperature of the polyesterification reaction is one of the most important characteristics of the continuous process of synthesis in a column unit. Orig. art. has: 4 figures and 2 tables.

SUB CODE: 11/<sup>07</sup> SUEM DATE: none/ ORIG REF: 004/ OTH REF: 004

Card 2/2 *th*

USSR/Human and Animal Morphology (Normal and Pathological)  
Peripheral Nervous System

S-3

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 55088

Author : Luchanskiy, Ye.M.  
Inst : Vinnitsa State Institute of Medicine.  
Title : To the Problem of Form, Structure and Numerical Distribution  
of Pacinian Corpuscles of the Hand.

Orig Pub : Sb. nauchn. tr. Vinnitsk. gos. med. in-ta, 1957, 8, 14-28

Abstract : The pacinian corpuscles (PC) in the skin of the human hand, in its periosteum, its palmar aponeurosis and its tendons are of various sizes and forms, which change with age. During ontogenetic development, the number of laminae of the external capsule increases and the medullated nerve fibers, which form the PC, become thicker. The largest number of PC is situated on the palmar surface of the hand (as compared with other skin areas). The maximum number of PC forms at birth already, and it amounts to 68 PC per 1 cm<sup>2</sup> in a 9 month old

Card : 1/2



LUCHEVSKIY, Ye.M., Cand Med Sci--(diss) "Morphology of ~~the~~ ~~the~~  
Pacinian corpuscles." Odessa, 1958. 17 pp (Odessa State Med Inst  
in N.I. Pirogov), 200 copies (KL,22-56,114)

-114-

LICHANSKIY, Ye.M., assistant

Case of absence of the descending branch of the hypoglossal nerve.  
Sbor.nauch.trud.Vin.der.med.inst. 18 no.2:129-131 '58.

(MIRA 16:2)

1. Kafedra normal'noy anatomii (zav. kafedroy doktor med.nauk,  
prof. V.G. Ukrainskiy) Winnitskogo gosudarstvennogo meditsinskogo  
instituta.

(TONGUE—INNERVATION) (NERVES—ABNORMALITIES AND DEFORMITIES)

LUCHANSKIY, Ye.M., kand.med.nauk, assistant

Blood supply to the ~~Vater~~-Pacini corpuscles in the palmar surface skin of the wrist. Sbor.nauch.trud.Vin.der.med.inst. 18 no.1:92-97 '58. (MIRA 16:2)

1. Kafedra normal'noy anatomii (zav. kafedroy doktor med.nauk, prof. V.G. Ukrainskiy) Vinnitskogo gosudarstvennogo meditsinskogo instituta.

(WRIST—BLOOD SUPPLY)

LUCHANSKIY, Ye.M. assistant

Variance in the course of the radial artery. Sbor.nauch.trud.  
Vin.der.med.inst. 18 no.2:121-123 '58. (MIRA 16:2)

1. Kafedra normal'noy anatomii (zav. kafedroy doktor med.nauk,  
prof. V.G. Ukrainskiy) V'imitskogo gosudarstvennogo meditsinskogo  
instituta.  
(WRIST--BLOOD SUPPLY) (ARTERIES--ABNORMITIES AND DEFORMITIES)

LUGHAY, G., STROGANOV, V.

Electric Railroads - Cars

Use of the KTM-1 and KTP-1 street cars. Zhil. -kom. khoz. 2 no. 2 '52

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

LUCHAY, G., inshener.

The new model HVZ street cars. Zhil.-kom.khoz.4 no.1:10-12 '54.  
(MLRA 7:2)  
(Electric railroads--Cars)

LUCHAY, G.; MAKSIMOV, A.; YAKOVLEV, A.

Testing the performance of KTM-2 and KTP-2 cars. Zhil.-kom.  
khoz. 9 no. 724-25 '59. (MIRA 12:11)  
(Kalinin--Streetcars--Testing)

GUREVICH, L.V.; DITERIKHS, N.D.; LUCHAY, G.A.; NIKOL'SKAYA, N.Ye.

Using plastics in the rolling stock and in the electric power  
supply of public transportation. Sbor.nauch.rab.AKKH no.13:192-  
202 '62. (MIRA 16:4)

(Plastics)

(Local transit—Equipment and supplies)



IVIN, K.V.; MOLODYKH, I.A.; YERMAKOV, N.D.[deceased]; MARKOVNIKOV,  
V.L., doktor tekhn. nauk; VATSURO, M.A. [deceased];  
KRUGLOVA, L.P.; STRAKHOV, K.I.; DUL'KIN, I.A.; FAYN, A.G.;  
RUBINSKIY, N.V.; SPISKOV, V.S.; PERKIS, D.I., kand. tekhn.  
nauk; LUCHAY, G.A., retsenzent; TROFIMOV, A.N., otv. red.  
toma; VOLOCHNEV, V.N., red.; SHPOLYANSKIY, M.N., red.;  
OTOCHEVA, M.A., red.izd-va; LELYUKHIN, A.A., tekhn. red.

[Technical handbook on electric city transportation in  
three volumes] Tekhnicheskii spravochnik po gorodskomu  
elektrotransportu v trekh tomakh. Redkoll.: V.N.Volochnev,  
A.N.Trofimov, M.N.Shpolianskii. Moskva, Izd-vo M-va  
Kommun.khoz.RSFSR. Vol.3. [Trolley buses] Trolleibus.  
1963. 722 P. (Trolley buses) (MIRA 16:10)

CHERTOK, Mark Semenovich; LUCHAY, G.A., red.; BALKOVSKAYA, I.Z.,  
red.izd-va; KHENOKH, F.M., tekhn. red.

KTP-a and KTP-2 streetcars] Tramvainye vagony KTM-a 1  
KTP-2. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1962. 107 p.  
(MIRA 16:5)

(Streetcars)

SOSYANTS, Vasilii Georgiyevich; BELILOVSKAYA, Kseniya Iosifovna;  
NAUMENKO, Valentin Sergeyevich; PROKHOROV, Aleksandr  
Nikolayevich; LUCHAY, G.A., red.; RACHEVSKAYA, M.I.,  
red.izd-va; SALAZKOV, N.P., tekhn. red.

[Over-all mechanization of labor consuming processes in  
the construction and overhauling of streetcar tracks] Kom-  
pleksnaia mekhanizatsiia trudoemkikh protsessov pri  
stroitel'stve i kapital'nom remonte tramvainykh putei. Mo-  
skva, Izd-vo M-va kommun.khoz.RSFSR, 1963. 78 p.

(MIRA 16:8)

(Street railways--Track)

KLOPOTOV, Kirill Konstantinovich; LUCHAY, G.A., red.; OVCHINNIKOVA, V.,  
red. izd-va; POFOVA, S.M., tekhn. red.

[Hinge-articulated rolling stock of streetcars and trolley  
buses] Sharnirno-sochlenenny podvizhnoy sostav tramvaev i  
trolleibusov. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1961. 138 p.  
(MIRA 15:2)

(Street railways) (Trolley buses)

KOTOV, A.F., insh.; ~~LUGHENITSER, I.A.~~, insh.

System of programmed control of the conveying of the Strizhevka transporter bridge. Nauch.zap.Ukrniiproekta no.5:160-165 '61.  
(MIRA 15:7)  
(Strizhevka region--Transporter bridges) (Automatic control)

LUCHENITSER, I.A.; MOCHALOVA, V.S.; SVYATSKAYA, N.V.; FRIDSHTAND, D.A.;  
SHCHEDROV, N.I.

Device for triggered measurements with digital reproduction. Avt.  
i prib. no.4345-47 O-D '64 (MIRA 1832)

BUTAYEV, G.M., kand.tekhn.nauk; LUCHENITSER, I.A.

Digital computer for the solution gas-flow equation with automatic  
correction for pressure. Avtom. i prib. no.1:45-49 Ja-Mr '63.  
(MIRA 16:3)

1. Institut avtomatiki Gosplana UkrSSR.  
(Flowmeters) (Electronic digital computers)

BUTAYEV, G.M.; LUCHENITSER, I.A.

Centralized processing of data on the production and distribution  
of gas in gas fields. Gaz. delo no.10:38-43 '63. (MIRA 17:4)

1. Institut avtomatiki Gosplana UkrSSR.



L 00078-66 EWT(1)/EWA(h) GG

ACCESSION NR: AR5013618

UR/0271/65/000/004/B034/B034

681.142.66

*B2*  
*B*

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika. Svodnyy tom, Abs. 4B251

AUTHOR: Luchenitser, I. A.

TITLE: Designing high speed small-signal switches *25*

CITED SOURCE: Sb. Ustroystva i elementy prom. telemekhan. Kiyev, 1964, 21-29

TOPIC TAGS: high speed switch

TRANSLATION: From the speed viewpoint, the principal versions of two-step switching circuits are considered in which both relays and contactless switches are used. Gas-filled reed relays, having a life of  $10^8$ -- $10^9$  operations, in production since 1962 satisfy the requirements of high accuracy and faultless operation. Figs. 4.

SUB CODE: DP

ENCL: 00

*pl*  
Card 1/1

Authors: Lucheniger, I. A.; Mochalova, M. S.; Smatukaya, N. V.  
Editor: D. A.; Shchedrov, N. I.

Topic: Digital-indicator-type measuring instrument operation on demand

SOURCE: Avtomatika i priborostroyeniye, no. 4, 1964, 45-47

TOPIC TAGS: measuring instrument, digital measuring instrument

ABSTRACT: The blueprint of a 12 parameter (selected out of 63) measuring instrument is described. The instrument comprises two principal parts: (a) a control panel with pushbuttons, relays, and a supply unit and (b) a digital instrument panel with digital converters and indicators. Three pulse generators with 100, 80, and 60 kc are provided. These characteristics are expected: time of digital conversion of one parameter, 10 msec; time of serving 12 channels, 100 msec; maximum error, 1.1%. A test of the instrument on 12 channels was stable

Card 1/2

L 22133-65

ACCESSION NR: AP5001743

in operation." Orig. art. has: 2 figures.

ASSOCIATION: Institut avtomatiki Goskomiteta po priborostroveniyu Gosplana  
USSR Institute of Automation, State Committee on Measuring Instruments.

SUBMITTED: 00

ENCL: 00

SUB CODE: IE

NO REF SOV: 000

OTHER: 000

Card 2/2

L 62255-65 EWT(d)/EED-2/EMP(1) IJW(c) 09/88

ACCESSION NR: AP5016090

UR/0302/65/000/002/0039/0041

621.314.283

AUTHOR: Luchenitser, I. A.<sup>47</sup>; Fridshtand, D. A.<sup>47</sup>; Shchedrov, N. I.<sup>47</sup> 34  
5

TITLE: Transistorized analog-to-digital converter 160.17

SOURCE: Avtomatika i priborostroyeniye, no. 2, 1965, 39-41

TOPIC TAGS: analog to digital converter

ABSTRACT: The development of a new analog-to-digital converter is reported. The measurand (voltage) is converted into a time interval by a transistor sawtooth generator and a balance detector. The fixed-frequency pulses are applied to a scaler which yields code digits. These technical characteristics are reported: input voltage, 0-2.5 v; time of conversion of one parameter, 10 msec; pulse-generator frequency, 100 kc; conversion sensitivity, 2.5 mv; discrete error,  $\pm 0.05\%$ ; fundamental conversion error at  $20 \pm 30^\circ\text{C}$  is  $\pm 0.5\%$ ; additional error per  $10^\circ\text{C}$  is  $\pm 0.3\%$ ; input resistance, 1 Mohm. The converter is intended for "on-demand" telemetering systems and similar applications. Orig. art. has: 2 figures and 1 table.

Card 1/2

155-65

ACCESSION NR: AP5016090

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: DP, EC

NO REF SOV: 001

OTHER: 000

Card

*dm*  
2/2

ACC NR: AP6036062

(A, N)

SOURCE CODE: UR/0432/66/000/005/0033/0034

AUTHOR: Luchenitser, I. A.; Shchedrov, N. I.

ORG: none

TITLE: Contactless device with an automatic time delay for reading out measurements

SOURCE: Mekhanizatsiya i avtomatizatsiya upravleniya, no. 5, 1966, 33-34

TOPIC TAGS: data read out, transistorized circuit, switching circuit

ABSTRACT: A contactless switching device is described which can be used in a centralized control system for connecting any one of a large number of sensors to a measurement device by a simple depression of a button. The device operates in the following manner: In the initial state a metallic plate made of diamagnetic material is in the gap of a ferrite core with square loop characteristics. As a result of this, a transistor generator is prevented from oscillating. As the button is depressed the diamagnetic plate leaves the gap and oscillations are established. The 65 kc oscillation after filtering and detection, clear a series of flip-flops into the zero position. As the button is released an elastic dielectric plate forces the diamagnetic plate back into the gap and oscillations of the generator cease, which causes the flip-flop circuit to switch. Thus, the automatic time delay is produced by the natural interval of time be-

UDC: 621.398.92

Card 1/2

ACC NR: AP6036062

tween the depression and the release of the button. The circuit of the device is presented and discussed. Orig. art. has: 1 figure.

SUB CODE: 09/      SUBM DATE: none

Card 2/2

LUCHENOK, O.S.

Seventh All-Union Congress of Rentgenologists and Radiologists.  
Zdrav. Belor. 5 no.2:66-67 F '59 (MIRA 12:7)  
(RADIOLOGY, MEDICAL--CONGRESSES)



LUCHENOK, O.S., dotsent; KULINKOVICH, T.M., vrach

X-ray therapy of seminoma. Zdrav.Belor. 5 no.7:54-55 J1 '59.  
(MIRA 12:9)

1. Iz kafedry rentgenologii i radiologii (zaveduyushchiy - dotsent O.S.Luchenok) Minskogo meditsinskogo instituta (direktor I.M.Stel'mashonok), onkologicheskogo otdeleniya 1-y klinicheskoy bol'nitsy (glavnyy vrach A.I.Shuba) i Respublikanskogo onkologicheskogo dispansera (glavnyy vrach T.T.Poddubnaya).  
(TESTICLE--CANCER)

LUCHENOK, O.S., dotsent; NAVROTSKAYA, F.R., vrach

Successful Chaoul therapy in rhinophyma. Zdrav. Belor. 5 no.11:57  
N '59. (MIRA 13:3)

1. Iz kafedry rentgenologii i radiologii (zaveduyushchiy O.S. Luchenok)  
Minskogo meditsinskogo instituta i Respublikanskogo onkologicheskogo  
dispansera (glavnyy vrach T.T. Poddubnaya).  
(NOSE--DISEASES) (X RAYS--THERAPEUTIC USE)

GLUSHAKOVA, N.Ye.; LAGUTO, F.M.; LUCHENOK, O.S.

Vitamin C in the liver and the wall of the small intestine in radiation sickness in animals synthesizing ascorbic acid. Med. rad. 5 no.4: 86-87 Ap '60. (MIRA 13:12)

(ASCORBIC ACID)  
(INTESTINES)

(LIVER)  
(RADIATION SICKNESS)

LUCHENOK, O.S., dotsent; NAVROTSKAYA, R.F.

Successful Chaul. therapy in rhinophyma. Vest. rent. i rad. 35  
no. 4:72-73 J1-Ag '60. (MIRA 14:2)

1. Iz kafedry rentgenologii i radiologii (zav. - dotsent O.S. Luchenok) Minskogo meditsinskogo instituta (direktor I.M. Stel'mashonok) i Respublikanskogo onkologicheskogo dispansera (glavnyy vrach T.T. Poddubnaya).  
(ROSACEA) (X RAYS---THERAPEUTIC USE)

KAISHEV, Kr., dots., k.t.n.; LUCHEV, St.; NUSHEV, Il. GANCHEV, Iv.

Distribution of ethyl alcohol and volatile admistures  
in liquid and vaporous phase at the continuous distillation  
of the molasses fermented must under production conditions.  
Godishnik khim tekhn 9 no.2:221-234 '62 [publ. '63].

1. Chlen na Redaktsionnata kolegiia i otg. redaktor,  
"Godishnik na Khimiko-teknologicheskia institut"  
(for Kaishev).

POPESCU, Iuliu, dr.; RAGOVEANU, Carmen, dr.; JELEA, Al., dr.; LUCHIAN,  
Clemansa, dr.; VLAICU, Maria, ext.

Respiratory neurosis. Med. intern., Bucur 13 no.4:565-574 Ap '61.

1. Institutul de medicina interna (director: acad. N. Gh.Lupu).  
(RESPIRATION) (NEUROSES case reports)

LUCHIAN, F.

"Rosin extraction and production of rosin and turpentine. p. 101  
(Analele Româno-Sovietice. Seria Silvicultură-Industria Lemnului Si A Hartiei.  
Series a II-a, v. 7, No. 16, Nov/Dec 1952 Bucuresti.)

EAST EUROPEAN Vol 2, No 9  
SO: Monthly List of ~~RUSSIAN~~ Accessions, Library of Congress, September 1953, Uncl.

LUCHTAN, Pl., Ing.

The importance of the culture of fast-growing forest species for the wood industry. In: Izvestiia 14 no.6:204-206 Is. 1963.



LUCHIAN, Ioan, ing.

Billions of electron volts used in industry. St si Teh Buc  
15 no.11:36-37, 44 N '63.

02145-00  
 ACCESSION NR: AP5021318  
 RU/0011/64/008/006/0256/0270 <sup>24</sup>  
 E  
 AUTHOR: Teodorescu, I. (Engineer); Marghitu, S. (Engineer); Luchian, I. (Engineer)

low-energy accelerators for producing fast neutrons

SOURCE: Automatica si electronica, v. 8, no. 6, 1964, 256-270

KEY TAGS: fast neutron, low energy accelerator

A review article summarizing the operating principles of neutron

ABSTRACT: none

CLASSIFIED: OO                      AUTH: OO                      SUB CODE: NP

AVAIL: 014                      AUTHOR: 014                      ST RE

Card 1/1

LUCEAN, L.

Aspects and problems of standardization in the field of health protection of workers. p. 16.

STANDARDIZAREA, Bucuresti, Vol. 7, no. 4, Apr. 1955.

SO: Monthly List of East European Accessions, (FEAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.

RUMANIA

GAVRILESCU, N., Conf; PAFNOTE, Maria, Dr; VAIDA, Iulia, Dr;  
MIHAILA, I., Dr; LUCHIAN, O., Chem; RUSU, I., Dr.

Institute of Hygiene and Protection of Labor and  
State Inspection for Hygiene and Protection of  
Labor, Tirgoviste (Institutul de igiena si pro-  
tectia muncii si Inspectia de Stat pentru igiena  
si protectia muncii, Tirgoviste) - (for all)

Bucharest, Igiena, No 5, 1963, pp 407-418

"Microclimatic Factors and Stress of the Thermo-  
regulatory Function in Workers in a Thermo-elec-  
tric Power Plant"

(6)

LUGHICH, S.I.

Motion of Encke-Backlund's comet in 1931-1937. Biul. Inst. teor.  
astron. 7 no.2:140-155 '58. (MIRA 13:3)  
(Comet, Encke-Backlund's)

LUCHICH, S.I.

Presence of systematic errors in observations of Encke-Backlund's  
comet. Biul. Inst. teor. astron. 7 no.2:156-164 '58.  
(MIRA 13:3)

(Comet, Encke-Backlund's)

LUCHICH, S. I., Candidate Phys-Math Sci (diss) -- "The theory of movement of the Enke-Baklund comet between 1931 and 1937". Leningrad, 1959. 10 pp (Acad Sci USSR, Main Astronomical Observatory), 150 copies (KL, No 24, 1959, 126)

MAKOVER, S.G.; LUGHICH, S.I.

Motion of Encke's comet in 1947-1957. *Biul.Inst.teor.astron.* 9  
no.4:224-233 '63. (MIRA 17:3)



*LUCHKHIN, A.A.*

USSR/Miscellaneous - Machine tools

Card 1/1 Pub. 103 - 19/23

Authors : Volontcevich, I. D., and Luchikhin, A. A.

Title : Flux for copper soldering of cutting tools

Periodical : Stan. i instr. 2, page 37, Feb 1954

Abstract : A new highly effective flux VL-1 for copper soldering of cutting tools is briefly described. The mechanical mixture of the flux consists of finely ground fused borax sifted through a 30 mesh sieve and 10% copper phosphide pulverized for sifting through a 70 mesh sieve. The results obtained with the VL-1 flux are tabulated. Table.

Institution : .....

Submitted : .....

USSR/Engineering-Welding

Card : 1/1

Authors : Volontsevich, I. D., Engineer and Luchikhin, A. A., Engineer

Title : Automatic welding of ring-shaped parts.

Periodical : Vest. Mash. 34/5, 77 - 78, May 1954

Abstract : The authors have developed and tested a method of making ring-shaped parts, by bending pieces of rolled metal and welding the ends together. The advantages of such joints is especially noticeable in the case of larger pieces (500 - 1,000 mm or larger). Illustration; drawing.

Institution : ....

Submitted : ....

BAZHUTIN, A.N.; GOLIKOV, S.I.; ZVERYUGA, A.A.; LUCHIKHIN, Yu.A.;  
VGIKOV, S.A., nauchn. red.

[Mechanization of lowering and hoisting operations in  
exploratory core drilling] Mekhanizatsia spusko-  
podzemnykh operatsii v razvedochnom kolonkovom burenii.  
Moskva, Izd-vo "Nedra," 1964. 110 p. (MIRA 17:5)

LUCHIKHINA, S.Ye.; MAKAROVA, S.V.; IVACHEV, L.M.; MAKAROV, L.V.

Compressorless method for the aeration of drilling fluids in  
hole boring. Razved. i okh. nedr 30 no.9:19-23 S '64.

(MIRA 17:12)

1. Ural'skoye geologicheskoye upravleniye (for Luchikhina,  
Makarova). 2. Sverdlovskiy gornyy institut (for Ivachev, Makarov).

LUCHIN, A.; FILIPPOV, A.; POPOV, N.

How we prepared for work with the new wage schedules.  
Sots. trud no.12:76-79 D '56.

(MLRA 10:2)

1. Nachal'nik byuro organizatsii truda i zarabotnoy platy  
staloliteynogo tsekha Nevskogo mashinostroitel'nogo zavoda  
imeni Lenina. (for Luchin).  
(Wages)

1. LUCHIN, B. G.
2. USSR (600)
4. Factories - Heating and Ventilation
7. Apparatus for control and checking ventilator operation. Masl. zhir. prom. 17 no. 5, 1952.

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

1. LUCHIN, B. G., ENG.
2. USSR (600)
4. Electric Currents - Grounding
7. Safe grounding for movable mechanisms. Masl, zhir. prom. 17, no. 6, 1952.

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

OLESHKO, V. P., LUCHIN, B. G., Engs.

Oils and Fats

Broader extension of work on invention and rationalization. Masl. zhir. prom. 18, No. 1, 1953.

SO: Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.



OLESHKO, V.P., inzhener; LUCHIN, B.G., inzhener.

Mechanization of heavy labor in oil and fat factories. Masl.-shir.prom.  
18 no.5: 21-24 My '53. (MLRA 6:5)

1. Glavnoye upravleniye rastitel'nykh zhirovykh masel. (Oilseeds)

C.H. V-46 LUCHIN, B. G.

Jan. 10, 1954  
apparatus and  
its operation

Newly designed barometrical condenser. B. G. Luchin.  
*Maslobojno-Zhirovaia Prom.* 18, No. 7, 30-1 (1953).—The  
work describes the design and installation of a cylindrical  
condenser with a cascade column. V. N. K.

LUCHIN, B. G.

Chemical Abst.  
Vol. 48 No. 8  
Apr. 25, 1954

Fats, Fatty Oils, Waxes, and Detergents

2  
①  
A trap for collecting droplets of glycerol. B. G. Luchin.  
*Maslobojno-Zhirnaya Prom.* 18, No. 10, 55-7 (1953).  
A description of the design and installation of a cylindrical  
condenser with a worm column. Vladimir N. Krivkovskiy

10 H G

GLAVRASCHI MASLO

A continuous vacuum-drying apparatus M. M. Bush-  
man and H. G. Loshko. *Journal of Applied Chemistry* 19  
No. 5, 1954, pp. 1000-1002.

**LUCHIN, B.G.**

Device for sampling hardened fats. V.Komarova, N.Kravchenko.  
Summarized by B.G.Luchin. Masl.-shir.prom. 19:34 '54.(MLRA 7:10)  
(Oils and fats--Analysis)

LUCHIN, B.G.

Vertical screw conveyer. B.V.Likharev. Summarized by B.G.Luchin.  
Masl.-zhir.prom. 19 no.6:34 '54. (MIRA 7:10)  
(Conveying machinery)

LUCHIN, B.G.

Quartz glass piping and apparatus. Masl.-zhir.prom. 19 no.7:38-39  
'54. (MLBA 8:1)

(Silica)

LUCHIN, B.G.

Use of compressors in the evaporation unit. Masl.-zhir.prom. 19 no.7:  
39 '54. (MIRA 8:1)  
(Sugar industry--Equipment and supplies) (Compressors)



LUCHIN, B.G.

Mechanical loading of grain into freight cars. Masl.-zhir.prom.  
20 no.1:36 '55. (MIRA 8:3)  
(Grain handling machinery)

LUCHIN, B.G.

Acid- and alkali-resistant putty for the lining of equipment.  
Masl.-zhir.prom. 20 no.1:36-37 '55. (MLRA 8:3)  
(Putty)

IUCHIN, B.G.

Protection of the eyes in chemical plants. Masl.-zhir.prom.  
20 no.3:37 '55. (MIRA 8:7)  
(Eye--Protection) (Chemical industries--Safety measures)

LUCHIN, B.G., inzhener

Protecting the respiratory organs from dust. Masl.-zhir.prom 20  
no.4:35-36 '55. (MIRA 8:9)

(Respirators)

LUCHIN, B.G., inzhener

"Car unloader designed by S.V.Darmodekhin." Masl.-zhir.prom.  
20 no.4:35 '55. (MLRA 8:9)  
(Grain-handling machinery)

LUCH IN, B.G., inzhener

Protecting the respiratory organs from gases and vapors. Masl.  
-zhir.prom. 20 no.4:37-38 '55. (MIRA 8:9)  
(Respirators)

LUCHIN, B.G., inzhener

Self-cleaning filter for oil. Masl.-zhir.prom.20 no.5:38-39 '55.  
(MIRA 8:11)

1. Glavnoye upravleniye rastitel'nykh zhirovykh masel.  
(Oil industries--Equipment and supplies)

LUCHIN, B.G., inzhener.

Use of asbestos-vinyl as an anticorrosive material. Masl.-zhir.  
prom. 21 no.1:35 '56. (MIRA 9:6)  
(Corrosion and anticorrosives)



LUCHIN, B.G.

Modernization and selection of oil extraction apparatus. Masl.-zhir.  
prom. 23 no.3:11-14 '57. (MLRA 10:4)  
(Extraction apparatus)

*LUCHIN, B.G.*  
LUCHIN, B.G.

Meeting of key personnel. Masl.-zhir. prom. 23 no.10:24-25 '57.  
(Oil industries--Congresses) (MIRA 11:1)  
(Perfumes--Congresses) (Cosmetics--Congresses)

LUCHIN, B.G.

Production of phosphatide concentrate and high quality oils.  
Biul.tekh.-ekon.inform. no.2:51-52 '58. (MIRA 11:4)  
(Sunflower seed) (Oils and fats)

LUCHIN, B.G.

Technical level of development of the oil extraction and fat  
processing industry. Masl.-zhir. prom. 24 no.4:2-6 '58.

(MIRA 11:5)

(Oil industries)

LUCHIN, B.G.

Broader application of automatic control to industrial processes.  
Masl.-zhir.prom. 24 no.5:5-8 '58. (MIRA 12:1)  
(Oils and fats) (Automatic control)

LUCHIN, B.G.

All-Union conference on the manufacture of washing compounds and  
synthetic fat. Masl.-zhir. prom. 24 no.9:6-7 '58. (MIRA 11:10)  
(Washing powders) (Acids, Fatty) (Alcohols)

LUCHIN, B.G.

Gloves for protection against acids and alkalies. Masl.-zhir.  
prom. 24 no.10:43 '58. (MIRA 11:10)  
(Clothing, Protective)

BUKHARIN, Viktor Vladimirovich; LUCHIN, Boris Georgiyevich; SERGEYEV, A.G.,  
kand.tekhn.nauk, retsenzent; PRITYKINA, L.A., red.; SOKOLOVA,  
I.A., tekhn.red.

[Safety engineering in the oils and fats industry] Tekhnika bez-  
opasnosti v maslozhirovoi promyshlennosti. Izd.2., perer. i dop.  
Moskva, Pishchepromizdat, 1959. 197 p. (MIRA 12:6)  
(Oil industries--Safety measures)



LUCHIN, B.G.

For wider development of inventions and efficiency promotion.  
Masl.-zhir.prom. 25 no.8:25-28 '59. (MIRA 12:12)  
(Efficiency, Industrial)

LUCHIN, B.G.

For a complete mechanization and automatization. Masl.-zhir.  
prom. 26 no.2:3-7 F '60. (MIRA 13:5)  
(Oil industries--Equipment and supplies--Congresses)  
(Automatic control)

LUCHIN, B.G.

Production and introduction of synthetic fat substitutes. Biul.  
tekh.-ekon.inform. no.9:21-22 '61. (MIRA 14:9)  
(Oils and fats)

LUCHIN, B.G., inzh.

Make way for the continuous process in soap manufacturing.  
Masl.-zhir. prom. 27 no.11:46-47 N '61. (MIRA 15:1)  
(Soap industry--Equipment and supplies)

LUCHIN, B.G., inzh.

Automatic "Dozeks" apparatus for continuous proportioning  
according to weight. Masl.-zhir.prom. 28 no.12;38-39 D '62.  
(MIRA 16:1)

(Proportioning equipment)

(Automatic control)

LUCHIN, B.G.

Development of the production of synthetic fat substitutes and  
washing compounds. *Izv. tekhn.-ekon. inform. Gos. nauch.-issl. inst.*  
*nauch. i tekhn. inform. no. 1: 57-59 '63.* (MIRA 16:2)  
(Synthetic products) (Washing powders)

LUCHKIN, G. P. and ARKHAROV, V. I.

"X-ray research on the high-temperature oxidation of titanium and its alloys with iron", appearing in the "Works of the Institute on the Physics of Metals, Issue 16, Collection of Research Papers on Diffusion and Internal Adsorption in Metals and Alloys", (Trudy Instituta Fiziki Metallov, vypusk 16, Sbornik Rabot Po Issledovaniyu Diffuzii I Vnutrennei Adsorbtsii V Metallakh I Splavakh), published by Ural Branch of the Academy of Science USSR, p 101, 1955.

LUCHKIN, G. P.

Category : USSR/Solid State Physics Phase Transformation in Solid Bodies E-5

Abs Jour : Ref Zhur - Fizika, No 3, 1957, No 6668

Author : Luchkin, G.P., Il'in, G.G.  
Inst : Mining and Metallurgical Institute, Irkutsk, USSR  
Title : Study of the Process of the High-Temperature Oxidation of Metallic Titanium in Water Vapor.

Orig Pub : Fiz. metallov i metallovedeniye, 1956, 2, No 3, 521-523

Abstract : Experimental data are given on high-temperature oxidation of titanium in water vapor in the range from 700 - 1200°. It has been established that the oxidizability of titanium is higher in water vapor than in air. X-ray-diffraction study has shown that only the  $TiO_2$  phase enters into the composition of the scale. Other phases ( $Ti_2O_3$  and  $TiO$ ) have not been detected by X-ray diffraction means. The size of the grain of the scale diminishes monotonically from the outside portion to the surface of the metal. The greater oxidizability of titanium in water vapor is connected with the facilitated diffusion of  $O_2$  through the layer of scale, which in turn is caused by its structural features.

Card : 1/1



USSR/Metals - Titanium, Oxidation Apr 52

"On the Role of Nitrogen in the Process of High-Temperature Oxidation of Titanium in the Air," V. I. Arkharov, G. P. Luchkin, Inst of the Phys of Metals, Ural Affiliate, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol LXXXIII, No 6, pp 837-839

Describes X-ray expts explaining why oxidation of titanium at temp over 1,150° in the air is more intensive than oxidation in oxygen. Precision measurements of lattice consts of basic oxide phase in titanium scale, rutile, revealed difference in their values for these 2 cases of oxidation due to factor

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that N of the air enters rutile lattice in form of trivalent ions N<sup>3-</sup> substituting for O<sup>2-</sup> ions. Submitted by Acad I. P. Bardin 18 Feb 52.

223749

LUCHKIN, G. P.

0930

2871

ACC NR: AP7010683

SOURCE CODE: UR/0089/66/021/003/0210/0215

AUTHOR: Luchin, I. A.

ORG: none

TITLE: Use of universal computers for complex estimation of results of prospecting for uranium deposits

SOURCE: Atomnaya energiya, v. 21, no. 3, 1966, 210-215

TOPIC TAGS: computer application, electronic computer, computer programming, uranium ore, prospecting

SUB CODE: 09,08

ABSTRACT: Digital data are given for programming complex uranium deposit data in a universal electronic computer. Statistical bases between the known deposits and geological factors were analyzed using coded indices for a homogeneous block of information on the deposit, ore occurrence, and mineralized field. The author thanks D. Ya. Surazhskiy, L. I. Vyatkin and I. M. Konovalov for assistance with this work. Orig. art. has: 2 tables.

[NA]

UDC: 550.8



1ST AND 2ND ORDERS      PROCESSES AND PROPERTIES INDEX      170 AND 4TH ORDERS

*cd*

**New raw material for synthetic tanning substances.**  
 I. I. ~~Zachin~~, *Lezhaya Prom.* 3, No. 11/12, 30(1913).  
 The new raw material, the tarry residue from gas generators operating on wood, contains H<sub>2</sub>O 20, phenols 35, neutral oils 25 and other substances 20%. This tar is treated with an equal quantity of H<sub>2</sub>SO<sub>4</sub> (d. 1.84), and washed with H<sub>2</sub>O until neutral. The oil-like original substance changes to a loose, black powder; this is ground, dried to a moisture content of 5-10%, mixed with sulfite 10 and calcined soda 6% of the original wt. of the tar. The product is readily sol. in hot H<sub>2</sub>O; it contains moisture 4.06, dry matter 95.34, sol. 92.30, insol. 2.03, tannins 60.48 nontannins 22.91%. It dissolves to form a liquor contg. 120 g. of tannins per l. All the operations preceding tanning with this material are the same as for the manuf. of Russia leather. Then follows chroming in a

~~0.5% soln. of Cr<sub>2</sub>O<sub>3</sub>. The chromed hide is tanned in a bath composed of old liquor (from previous bath) 50 and fresh liquor 50%. The d. of the bath is 10-12° Barkometer, pH 7-8, temp. 18-22°, time 0-8 hrs. The d. is gradually raised to 20-25° Barkometer. The quantity of tanning powder used is 25-30% of the wt. of the hide.~~

M. Husch

A 18-51A METALLURGICAL LITERATURE CLASSIFICATION