EWT(m)/EWP(w)/T/EWP(t)/EWP(z)/EWP(b)/EWA(h)/EWA(c) IJP(c) L 10418-66 BOOK EXPLOITATION AM5026676 Luzhnikov, Leonid Pavlovich 27,44,55 Deformable aluminum alloys used for work at increased temperatures (Deformiruyemyye alyuminiyeviye splavy dlya raboty pri povyshennykh temperaturskh) [Moscow] Izd-vo "Metallurgiya", 1965. 0289 p. illus., biblio. 2,210 copies printed. TOPIC TAGS: alloy, alloy system, aluminum alloy, alloy composition, phase composition, chemical composition, metal property, metal physical property, thermomechanical property, high-temperature strength, rupture strength, binary alloy, ternary alloy PURPOSE AND COVERAGE: The book concerns a study of the nature, structure and properties of deformable aluminum alloys, intended for work in increased temperatures. It presents the results of systematic research of an important group of industrial aluminum alloys. It explains in detail the dependence of alloy properties on their structure, phase and chemical composition. It presents the physical and mechanical properties, conditions for heat treatment, end also examines the influence of technological factors on the properties of the alloys. The book is intended for engineering-technological workers working in the field of the production and utilization of aluminum alloys, for workers UDC: 669.715 Card 1/2

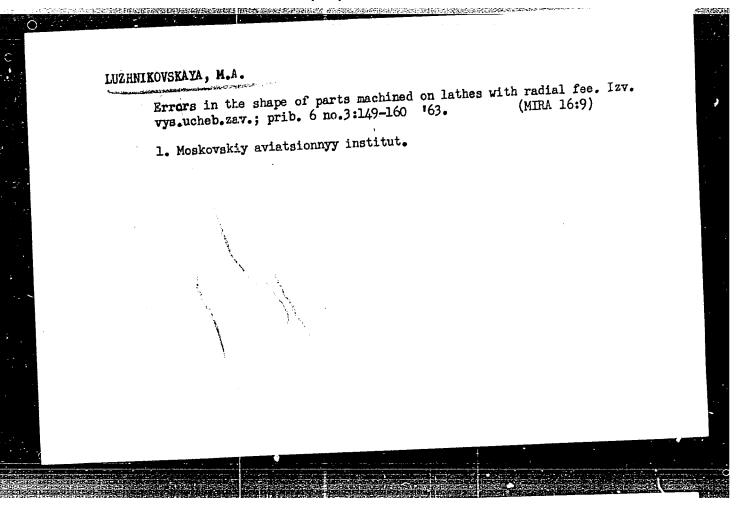
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Introduction		A	, , ,	
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LUZHNIKOV, Ye.A.; DAGAYEV, V.N.

Clinical aspects and treatment under first aid conditions of acute poisonings with phosphorus organic compounds. Sov. med. 27 no.11:76-80 N '64. (MIRA 18:7)

1. Terapevticheskaya klinika (rukovoditel' - prof. P.L.Sukhinin) Moskovskog gorodskogo nauchno-issledovatel'skogo instituta skoroy pomoshchi imeni Sklifosovskogo (dir. M.M.Tarasov) i Stantsiya skoroy meditsinskoy pomoshchi (nachal'nik L.B.Shapiro), Moskva.

SOURCE CODE: UR/0391/66/000/008/0036/0042 (N) ACC NR: AP6028156 AUTHOR: Luzhnikov, Ye. A. (Moscow) ORG: Rapid Aid Institute im. N. V. Sklifosovskiy (Institut skoroy pomoshch1) TITLE: Certain clinical and therapeutic problems of treating cases of acute poisoning by organophosphorus insecticides SOURCE: Gigiyena truda i professional'nyye zabolevaniya, no. 8, 1966, 36-42 TOPIC TAGS: insecticide poisoning, toxicology, pharmacology, cholinesterase, poison treatment, clinical medicine, therapeutics, organic phosphorus compound, insecticide ABSTRACT: One hundred and twenty three patients poisoned by thiophos and chlorophos were examined and treated. Neurological, respiratory, hemodynamic, visceral and blood chemistry changes were recorded. In general, there were three distinct stages involved in which there was inhibition of whole blood cholinesterase and 16 deaths. Artificial respiration and other symptomatic treatment was given along with atropine, metacin, chlorpromazine, magnesium sulfate and ganglionic [WA-50; CBE No. 11] blocking agents. SUB CODE: 06/ SUBM DATE: 24May65/ ORIG REF: 008/ OTH REF: 004 615.777.25-099-036.11 UDC: Card



LUZHNIKOVSKAYA, M. A.

Calculating errors in machining parts by the method of transverse turning with a radial feed, Izv. vys. ucheb. zav.; prib. 6 no.2:147-153 63. (MIRA 16:4)

1. Moskovskiy aviatsionnyy institut.

(Turning)

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DG: Moscow Aviation Institu	ute (Moskovskiy aviatsiomy)
TITLE: Calculation of errors	oyeniye, v. 9, no. 1, 1966, 152-158
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computer, and the results at	et al metal thickness diagram, the
between the overall reed and latter representing the thicks	ness of the actually-cut metal. Triangular, art tool profiles are considered. Orig. art. has:
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LUZHNOV, E. FOLUB	OYARINOV, V. I. and I	JUZHNOV, G. I.	(Engr.)	
 "Removal of As	sh and Slag Deposits.'	1		
A Scientific-Techni Boiler Houses.	ical Conference on Au Moscow, 17 - 20	xiliary Equipment	for Power Station	
Teploenergitika,	1958, No. 4,	pp. 90-91	(USSR)	

EUZHNOV 6.1.

KUZHNOV, N.V., doktor tekhn. nauk; LUZHNOV, G.I., inzh.; BRIOBORODOV, F.M.,

KUZHNOV, N.V., doktor tekhn. nauk; LUZHNOV, G.I., inzh.; BRIOBORODOV, F.M.,

KUZHNOV, M.V., doktor tekhn. nauk; LUZHNOV, G.I., inzh.; BRIOBORODOV, F.M.,

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Inzh.; BRIOBORODOV, F.M.,

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Inzh.; BRIOBORODOV, F.M.,

KUZHNOV, G.I.,

Inzh.; BRIOBORODOV, F.M.,

KUZHNOV, G.I.,

KUZHNOV, G.I

CIA-RDP86-00513R001031010004-1 "APPROVED FOR RELEASE: 06/20/2000

LUZHNOV, G. I.

96-1-2/31

Kuznetsov, N.V., Doctor of Technical Sciences and Luzhnov, G.I., Engineer. AUTHORS:

TITLE:

Problems in the Design of Equipment for Cleaning Convection Surfaces of Boilers by Shot (Voprosy proyektirovaniya

ustroystv dlya dobevoy ochistki konvektivnykh pover-

khnostey kotel'nykh agregatov)

Teploenergetika, 1958, Vol.5, No.1, pp. 8 - 12 (USSR) PERIODICAL:

In an article in Tedoenergetika, 1957, No.12, the authors ABSTRACT: described an equipment installed at a power station for removing slag from boiler surfaces by means of iron shot. main disadvantage was the high wastage of shot, much of which was found in the horizontal gas way beyond the convection shaft, in the furnace, and elsewhere. A diagram (Fig.1) shows how shot falling from above rebounded from the walls and could fall into the horizontal gas way. To prevent this, the boilers of Omsk Heat and Electric Power Station No.3 were modified by fitting special screen grids on the sloping walls of the lower bunkers, as seen in Fig.2. Re-designed shot cleaning equipment will use these deeper bunkers of different wall shape. Shot is also carried away by the flow of air when the plane shutters in the gas way are open. The difficulty may be overcome Cardl/3 by N.I. Zverev's method of cleaning the shot of ash. This

96-1-2/31

Problems in the Design of Equipment for Cleaning Convection Surfaces of Boilers by Shot.

system is applied in the new design of shot cleaning equipment for the boiler type TM-230, as illustrated in Fig. 3. A special chamber used to regulate the air flow is illustrated in Fig. 4 and a new type of shot-distributing device, shown in

In the first installations, the shot was lifted by compressed air but it is uneconomical to use a stationary compressor for this purpose. Lifting by steam is inconvenient because condensation occurs when the equipment is cold. It is best to follow non-Russian practice and to use a high head extraction fan. Alternatively, steam ejectors can be used as a temporary measure, but occasioned some difficulty in adjusting the air flow to suit the required flow of shot. A newly-designed feeder (illustrated in Fig.6) gives regular and stable delivery of shot

The pneumatic delivery often became blocked in service; remedies are described. Wear in parts exposed to flow of shot was also overcome. In the design of boilers to burn fuel that forms hard ash deposits, all convective surfaces should be located in vertical gas ways with horizontal tubes. In this

96-1-2/31

Problems in the Design of Equipment for Cleaning Convection Surfaces of Boilers by Shot.

case, shot cleaning can completely overcome interruptions caused Tests at the Zakamsk Heat and Electric Power Station (Zakamskaya TETs) show that when the temperature is below the dew point, heavy ash deposits are formed and more frequent cleaning is required. Therefore, equipment operating below the dew point should also be arranged in vertical shafts suitable for shot cleaning. Further recommendations are made about the arrangement of the equipment. There are 6 figures.

ASSOCIATION:

All-Union Thermo-technical Institute (Vsesoyuznyy

Teplotekhnicheskiy Instit)

AVAILABLE:

Library of Congress.

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CIA-RDP86-00513R001031010004-1" APPROVED FOR RELEASE: 06/20/2000

SOV/96-59-10-9/22

Kuznetsov, N.V. (Dr. Tech. Sci.); <u>Luzhnov, G.I.</u> (Engineer); Varichev, V.A. (Engineer); Pavlenko, L.I. (Engineer); AUTHORS:

and Kurganov, B.G. (Engineer)

Card

1/4

Experience of the Adjustment of Shot-blast Installations TITLE:

for Removing Ash Deposits from Botler Heating Surfaces

PERIODICAL: Teplcenergetika, 1959, Nr 10, pp 49-54 (USSR)

ABSTRACT: Previous articles in Teploenergetika Nr 12, 1957, and Nr 1, 1958, described the use of shot-blasting to clean

boilers type TP-230-2 at the Omsk Heat and Electric Power Station when burning fuel oil of high ash, and high

sulphur content. Subsequently the design of the equipment was improved and it was tried out at a number of power

stations burning anthracite dust, including the NesvetayGRES

(power station) on the Rostov Power system. When anthracite dust is burned, heating surfaces quickly

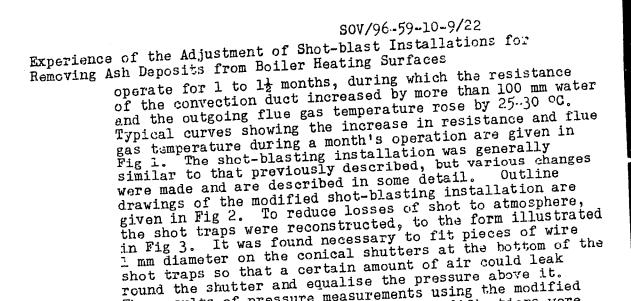
become contaminated and cleaning is particularly important.

In the Nesvetay station shot-blasting equipment was

installed on boilers of 110 tons per hour operating at steam conditions of 122 ats. and 485 °C. The boilers are briefly described: the proportion of unburned material

in their carry-over is of the order of 8-12%. Until the

shot-blasting installation was put in, the boilers could



The results of pressure measurements using the modified shutter are plotted in Fig 5. Minor modifications were shutter are plotted in Fig 5. Minor modifications were made to the ash bunkers to prevent loss of shot to them. The shot bunkers were made of conical section instead of square, and the shot feeders were modified, a new type of

sov/96-59-10-9/22

Experience of the Adjustment of Shot-blast Installations for Removing Ash Deposits from Boiler Heating Surfaces

shutter_being used. A few other modifications were also To clean convective heating surfaces efficiently It is necessary to pass 200-300 kg of shot per square metre of duct section. The area of the convective ducts of the boilers in question was 20.7 m2, and shot was delivered at a total rate of 4700 kg/hr, which corresponds to 230 kg/m²/hr. If the equipment is used regularly an operating time of one hour twice a shift is satisfactory. Tests were made to see whether shot-blasting sould be used to clean up badly-contaminated surfaces. The results are plotted in Fig 7 and it will be seen that although about 9 tons of shot were passed through the convection shaft there was no reduction either in the resistance to flow or in the flue gas temperature. Subsequent examination showed that some of the shot was resting on top of the existing deposits, which were not removed. Therefore, for shot-blasting to be effective the heating surfaces must be cleaned in the first place and the equipment must be used regularly. Data on the resistance to flow and flue gas tamperatures during six weeks' operation with regular use of the shot blasting equipment are plotted in Fig 8.

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sov/96-59-10-9/22

Experience of the Adjustment of Shot-blast Installations for Removing Ash Deposits from Boiler Heating Surfaces

The resistance to flow was maintained constant throughout this period and variations in flue gas temperature resulted only from variations in feed-water temperatures. After 45 days' operation with shot-blasting, the economiser and water heater remained clean and ash deposits were found only in places not reached by the shot. The loss of shot was about 0.6% of the total quantity passed and this could be further reduced by minor design changes. The equipment is reliable and the main parts may be used for the design of similar installations for boilers of other types burning other

Card 4/4

There are 8 figures and 2 Soviet references.

ASSOCIATION: Vsesoyuznyy teplotekhnicheskiy institut, Rostovenergo end Nesvetay GRES (All-Union Thermo-Technical Institute, Rostovenergo (Power System) and Nesvetay Regional Electric Power Station)

CIA-RDP86-00513R001031010004-1" APPROVED FOR RELEASE: 06/20/2000

KUZNETSOV, N.V., doktor tekhn.nauk; LUZHNOV, G.I., inzh.; GAVRILOV,
A.F.; SENE NOVA, T.F.

Preventing peening in shot blasting cleaning of heating
surfaces. Teploenergetika 7 no.10:27-31 0 '60. (MIRA 14:9)

1. Vsesoyuznyy teplotekhnicheskiy institut.
(Boilers-Cleaning)

LUZHNOV, G.I., inzh.; ZVEREV, N.I., kand.tekhn.nauk; GAVRILOV, A.F., inzh.;

PIGALEV, V.P., inzh.

Pneumatic transportation of shot in boiler systems and methodology for its designing. Elek.sta. 33 no.11:12-19 N '62.

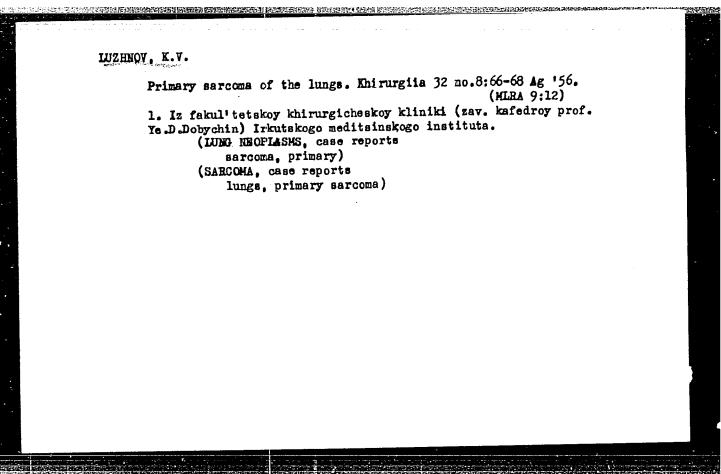
(Boilers)

(Boilers)

LUZHNOV, C.I., kand. tekhn. nauk; TITOVA, Ye.Ya., inzh.

Study of heat transfer and aerodynamic resistance of convective heating surfaces. Teploenergetika 10 no.7:42-47 Jl '63. (MIRA 16:7)

1. Vsesoyuznyy teplotekhnicheskiy institut. (Heat—Transmission) (Boilers)



DOBYCHIN, B.D., prof. (Irkutsk, Vuzovskaya naberezhnaya, d.18); LUZHNOV, K.V.;
(Irkutsk, Vuzovskaya naberezhnaya, d.18)

Operative treatment of hemorrhoids complicated by acute thrombophlebitis.
Nov. khir. arkh. no.3138-43 My-Je '60. (MI:A 15;2)

1. Kafedra fakul'tetskoy khirurgii (zav. - prof. B.D.Dabychin)
Irkutskogo meditsinskogo instituta.
(HEMOGRHOIDS)

(PHLEBITIS)

LUZHNOV, K.V. (Irkutsk, ul. Khalturina, d.9, kv.1)

Treatment of hemorrhoids in the stage of acute thrombophlebitis.

(MIRA 15:1)

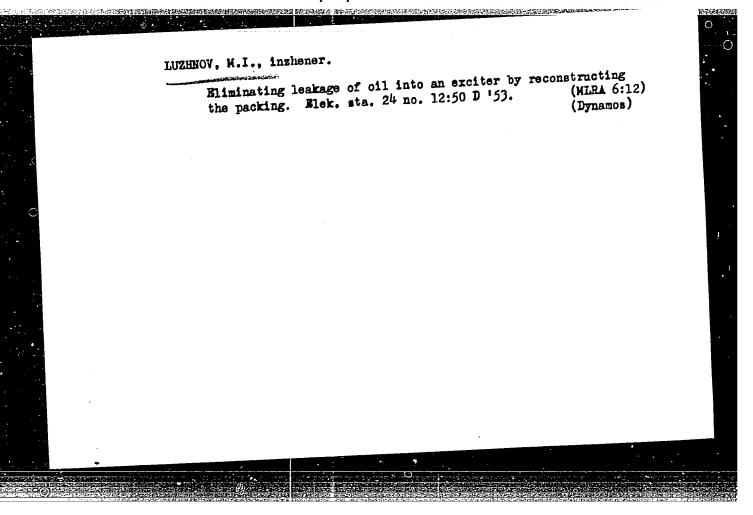
Vest.khir. no.1t81-84 '62.

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. B.D.

Dabychin) Irkutskogo meditsinskogo instituta (dir. - prof. A.I.

Nikitin).

(HEMORRHOIDS) (PHLEBITIS)



APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031010004-1"

LUZHNOV, M.I., inzhener; TYUTRIN, A.P., tekhnik.

Reversible scraper feeder for shale. Elek.sta. 25 no.1:51-52 (MLRA 7:1)
Ja '54. (Furnaces) (Conveying machinery)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-9/0926/80/0000/3030/40/60/60/60

AUTHORS: Gulyayev, V. N. (Candidate of technical sciences); Luzhnov, M. I. (Engineer)

TITLE: Choice of material for condenser tubes

SOURCE: Teploenergetika, no. 3, 1964, 66-70

TOPIC TAGS: condenser tube, brass tube, stainless steel tube, steel 304, copper alloy 88 10 2, steel OKhl3, steel Khl7, steel Khl7NlAG9, steel Khl2NlAG9, steel Khl2NlAG9, steel Khl2NlAG9, steel Khl2NlAG10, steel KhllGllN, copper zinc, tin, circuium, manganese, nickel, trace element

ABSTRACT: A comparison is made between the use of copper alloy (88-10-2) tubes and of steel tubes for condenser application in turbine installations. The composition of copper alloy was: 00% Cu, 10% Zn, 2% Sn. It was found that the Cu₂O and CuO formed in copper tubes was deposited on the turbine blades and lowered the efficiency. After mentioning the success achieved with stainless steel 304 tubes at the Rivesville plant (R. Long. electric Light and Power, Vol. 39, No. 2, 1961), the authors discuss the use of Cr and Cr-Yn-Ni steels as a more economical

Card 1/2

CIA-RDP86-00513R001031010004-1

ACCESSION NR: AP4019087

expedient. Primary emphasis is placed on the cost of the required alloying elements for different types of steel. This type of comparison results in the following cost estimates per ton of 26 x 0.5 mm tubes made from the different steels: OKhl3 (12% Cr) - 1615 rubles, Khl7 (17% Cr) - 163h rubles; Khl7NhAC9 (17% Cr, 1% Ni, 9% Mn) - 1806 rubles; Kh22N5hG9 (22% Cr, 5% Ni, 9% Mn) - 1852 rubles; Kh22N5hG9 (22% Cr, 1% Ni, 11% Mn) - 1852 rubles. Although application of one particular type of steel depends on prior field testing, it is suggested that the application of these steels rather than has: 8 tables.

ASSOCIATION: VoFVTI

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Card 2/2

LIZHNOV. Xa.I.; PAT'YANOV, N.I.; KHOTIMGHENKO, N.M.; KUSHKO, I.M., redaktor; RAKHLINA, N.P., tekhnicheskty redaktor.

[Cyclical work schedule for coal mines of the Donets Basin]
Grafic tsiklichnoi raboty ugol'nykh shakht Donbassa. Kiev,
Izd-vo Akademii nauk Ukrainskoi SSR, 1953. 52 p.(MLRA 8:2)

(Donets Basin--Coal mines and mining)

LUZHNOV, Yu.M., nauchnyy sotrudnik; KOSIKOV, S.I., kand.tekhn.nauk [deceased]

A cause of the slippage of locomotives. Elek. i tepl. tiaga 7
no.4:44-45 Ap '63. (MIRA 16:5)

1. Institut fizicheskoy khimii AN SSSR (for Luzhnov).
(Railroads--Track) (Locomotives)

20-4-21 (20-42) (1-4-21-42) (1-4-42) (

MELEKHINA, V.P.; PINIGIN, M.A.; Prinimali uchastiye: KHRUSTALEVA, V.A.; SELINA, I.A.; VULIKH,S.L.; PANOVA, M.K.; LUZHNOVA,M.A.; EUNIM,T.N.

Materials for evaluating the pollution of air by wastes in the production of phenol and acetone by the cumene method. Uch. zap. Mosk. nauch.-issl. inst. san. i gig. no.9:25-29 *61.

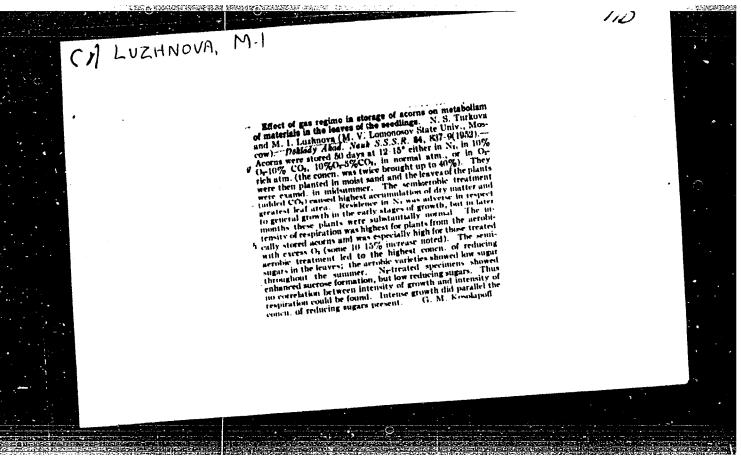
(MIRA 16:11)

1. Moskovskiy nauchno-issledovatel'skiy institut gigiyeny imeni F.F.Erismana (for Khrustaleva, Selina). Sotrudniki sanitarno-epidemiologicheskoy stantsii goroda Groznogo (for Vulikh, Panova, Luzhnova, Bunim).

FONGAUZ, M.I. Prinimali uchastiye: KHRUSTALEVA, V.A.; SELINA, I.A.; VULIKH, S.L. PANOVA, M.K.; LUZHNOVA, M.A.; BUNIM, T.N.

Principal problems of hygiene in the production of phenol and acetone by the cumene method. Uch.zap. Mosk.nauch.-issl. inst. san. i gig. no.9:5-12 '61 (MIRA 16:11)

1. Moskovskiy nauchno-issledovatel'skiy institut gigiyeny imeni Erismana (for Selina). 2. Groznenskaya gorodskaya sanitarnoepidemiologicheskaya stantsiya (for Bunim).

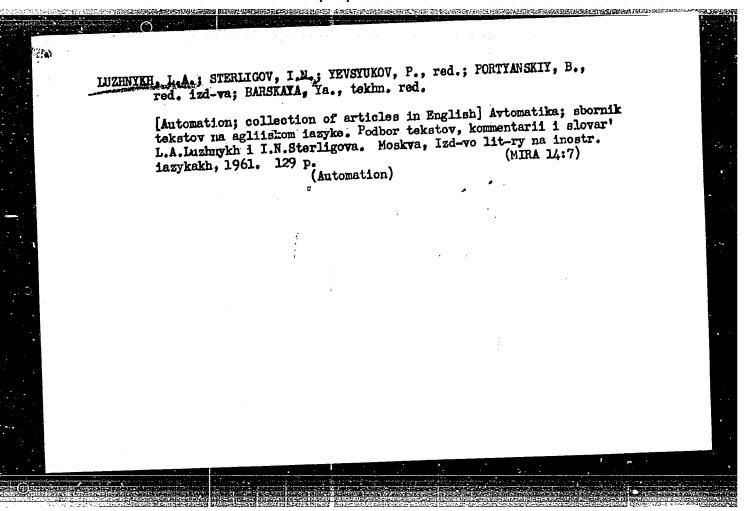


LUZHNOVA, M. I.

"The Significance of the Conditions of Crop Nourishment During the Light Stage." Cand Biol Sci, Moscow Order of Lenin State U imeni M. V. Lomonosov, 29 Oct 54) (VM, 19 Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions. (10)

So: Sum. No. 481, 5 May 55



GHESIKOVA, M.; HAVHANEK, I.; GORNER, F.; technical assistance: LUZICOVA, V.;
MARTINOVIC, K.

The effect of pasteurisation on the infectivity of tick-borne
Encephalitis virus. Acta virol, Engl.Ed.Praha 5 no.1:31-36 Ja '61.

1. Institute of Virology, Czechoslovak Academy of Sciences,
Bratislava.

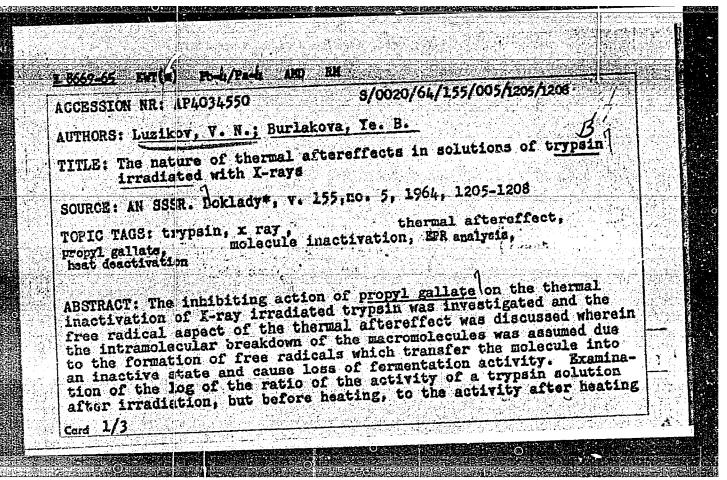
(ENCEPHALITIS EPIDEMIC virol)

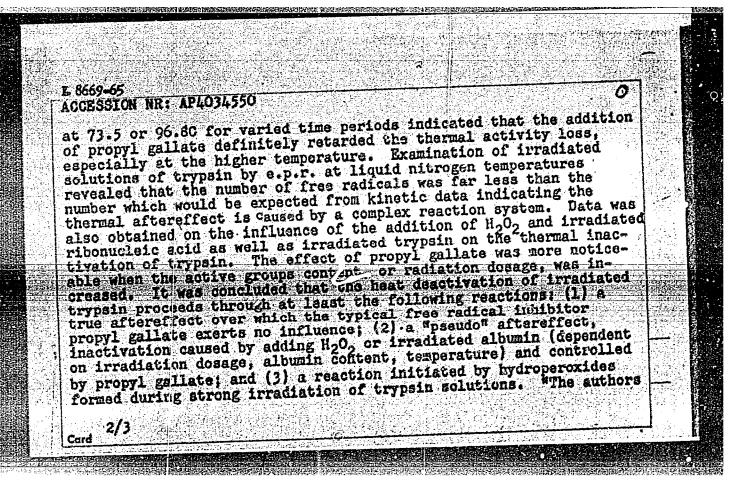
SOLOPAYEV, B.P.; SOLOV'YEVA, G.A.; LUZIKA, B.

Stimulation of restorative regeneration of the liver by subcutaneous glycogen administration. Biul. eksp. biol. i med. 53 no. 4:104-108 (MIRA 15:4) Ap '62.

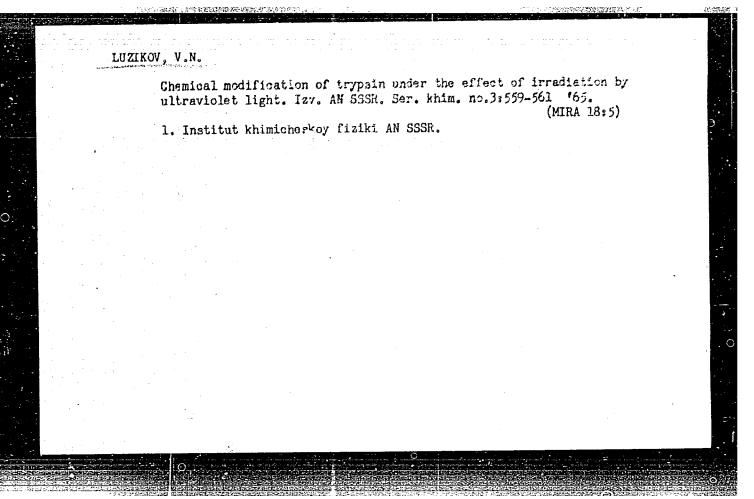
1. Iz Instituta eksperimental'noy patologii i terapii (dir. - doktor meditainskikh nauk B.A.Lapin) akm SSSR, Sukhmi. Predstavlena deystvitel'nym chlenca AMN SSSR, V.V.Parinym. (REGENERATION (BIOLOGY))

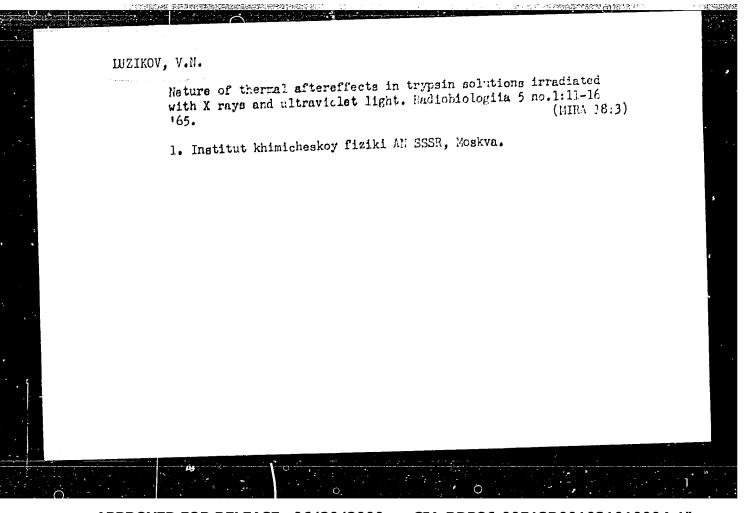
(LIVER) (GLICOGEN) (REGENERATION (BIOLOGY))





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	SUBMITTED: 14Nov63 SUB CODE: 18, 00	nimichaskoy fiziki Akademii of Chemical Physics Academy NR REF SOV: 004	encl: 00 OTHER: 007			





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AUTHOR: Lunikov, V. N. Avos	
	injury state in irradiated trypain.
SOURCE: Fediobiologiya, v. 5	, no. 2, 1965, 312-313
ultraviolet irradiation, X-ra electron paramagnetic resonan ABSTRACT: Two series of expe	riments were carried out to determine
altraviolet irradiation, X-raplectron paramagnetic resonant ABSTRACT: Two series of expethe validity of the hypothesi proteins may be related to the in earlier studies the author lyophilized pepsin solutions with the EFR signals during the costablish the number of fithe latent injured molecules.	y irradiation, free electron, ce, free radical

CCESSION NR: AP5010362	0
clutions were UV-irradiated, kept at 3-40 for 24 hrs, and dried number of free spins in the dry residue (40 mg samples) was etermined by electron paramagnetic resonance (EFR-2 unit) and tumber of latent injured molecules was determined by heat inactifications using methods described in earlier studies. In the secretes, trypsin solutions were X-irradiated with a 2 x 105 r dosept in ice water for 3 hrs, lyophilized, and analyzed by EFR. The first series according to kinetic data the 40 mg sample (24, and wt) is inactivated by 70% and contains 2.4 x 1017 latent injured contains and the radical mechanism of each latent injured molecules. If the radical mechanism of each latent injured molecules are should have been at least 2.4 x 1017. However, the FR-2 unit with a sensitivity of 5 x 1012 - 1 x 1013 spins per of id not register any signals characteristic of irradiated protein the second series, the signals for 20 mg trypsin samples corronded to 2 - 5 x 1015 radicals. The number of spins was determined. Only 5-7% of the fixed number of radicals were related injured molecules in the second series. Moreover, af the samples were kept at room temperature for 48 hrs the EFR signals and the depth of the heat effect was the samples were kept at room temperature for 48 hrs the EFR signals.	ne vation ond e, In 000 ured cule found e ersted ns. es- ined also ted to

the free radicals detecnest effect observed in and do not explain the art. has: I figure.	at effect was reduced ted by EPR do not app UV- and X-irradiation nature of latent inju		
ASSOCIATION: Institut (Chemical Physics Insti	knimicheskiy fiziki / tute AN SSSR)	AN SSSR, Moscow	
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하기를 하기를 보고 있습니다. 한 사람들의 학교들은 표	어느 회사 등록 하는 이 가는 가는 것이 하는 사람들이 하지만 하는 것이 하는 것 같다.	그의 얼마가 많은 이 얼마를 가고 있다. 그는 그리고 된 이 모드 이다.	

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S/020/60/132/06/24/068 B011/B126

5.1190

AUTHORS:

PERIODICAL:

Agronomov, A. Ye., Luzikov, V. N.

TITLE:

An Investigation of the Catalytic Properties of Pyrophoric

Manganese ^

Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 6,

pp. 1315 - 1318

TEXT: In order to obtain pyrophoric manganese black, the authors used the method described in Refs. 1, 2, 6, and 7. To do this, manganese amalgam was thermally decomposed in a vacuum. The amalgam is obtained by the electrolysis of an aqueous solution of manganese chloride on a mercury cathode. The manganese black produced is covered with absolute benzene in a vacuum, to preclude the introduction of air. The authors then tested the purity of the black obtained, while they used mercury with an Hg203 content as cathode in an additional experiment. Manganese obtained in the above manner is of high chemical activity. There is an exothermic reaction with ignition when a hydrogenesir mixture is drawn through a freshly produced with ignition when a hydrogenesir mixture is drawn through a freshly produced

Card 1/4

811,02

An Investigation of the Catalytic Properties of S/020/60/132/06/24/068
Pyrophoric Manganese S/020/60/132/06/24/068

sample. The authors have established from the roentgenograms of manganese black, that α -manganese is produced on the decomposition of the amalgam, which crystallizes into a complicated cubic lattice of the type A-12 (a-parameter $\sim 8.923 \pm 0.020$ M). The authors say that this lattice is (a-parameter $\sim 8.923 \pm 0.020$ M). The authors say that this lattice is less tightly packed than in metallic manganese. The roentgenogram showed no lines of manganese oxide or its other compounds. As pyrophoric no lines of manganese oxide or its other compounds as by oxygen, the manganese is oxidized by $\rm H_2O$, $\rm CO_2$, and even CO, as well as by oxygen,

authors have restricted themselves to the hydrogenation and dehydrogenation of hydrocarbons. A continuous system with an automatic filling device was used for the experiments. 23-23.5 ml of manganese black was brought into the tube without being touched by air. Benzene and air brought into the system at low temperature for two hours by dewere removed from the system at low temperature for two hours by devicidized hydrogen. Cyclohexene was dehydrogenated, at 320-400°C. The gaseous products analyzed on the BTN-(VTI)device contained, apart from 98.5-99.5% hydrogen, 0.5-1.5% saturated hydrocarbons. The ultraviolet absorption spectra of the catalyst showed, apart from the cyclohexene used, the presence of benzene. Cyclohexadiene frequencies were not present. The activity of the catalyst was not stable during the first

Card 2/4

81402

An Investigation of the Catalytic Properties of S/020/60/132/06/24/068 Pyrophoric Manganese S/020/60/132/06/24/068

four or five experiments. Only in later ones were reproduceable results obtained (Table 1). From this it follows that hydrogen does not form on manganese black only by dehydrogenation of the cyclohexene. The stabilized catalyst is far less active than a freshly produced one. The authors believe that no parallel, irreversible catalysis occurs here. The lattice of the catalyst was somewhat strengthened (according to roentgenogram) after eight experiments. There were no manganese oxide lines here, either. Thus newly produced manganese black not only catalyzes the dehydrogenation of cyclohexene, but also cracks it. Manganese carbide, and an additional quantity of hydrogen are formed. Cyclohexane is negligibly dehydrogenated at 440-500°C, forming cyclohexene. Ethyl-benzene/is partially cracked between 300 and 450°C. Carbon and hydrogen are formed. Neither benzene nor cyclohexene are hydrogenated between 150 and 215°C. There are 1 table and 13 references: 5 Soviet, 1 German, 1 French, 1 British, and 1 US.

ASSOCIATION: Moskovskiy gosudarstrennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

PRESENTED: February 11, 1960, by A. A. Balandin, Academician

Card 3/4

81402

An Investigation of the Catalytic Properties of Pyrophorio Manganese \$/020/60/132/06/24/068 B011/B126

SUBMITTED: February 8, 1960

Card 4/4

GISS, A.N.; LUZIN, A.C.; KICHA, I.N.

Chelyabinsk Metallurgical Flant, Metallurg 9 no.11:15-16 H '64.
(MIRA 18:2)

1. Chelyabinskiy metallurgicheskiy zavod i Chelyabinskiy
institut ogneuporov.

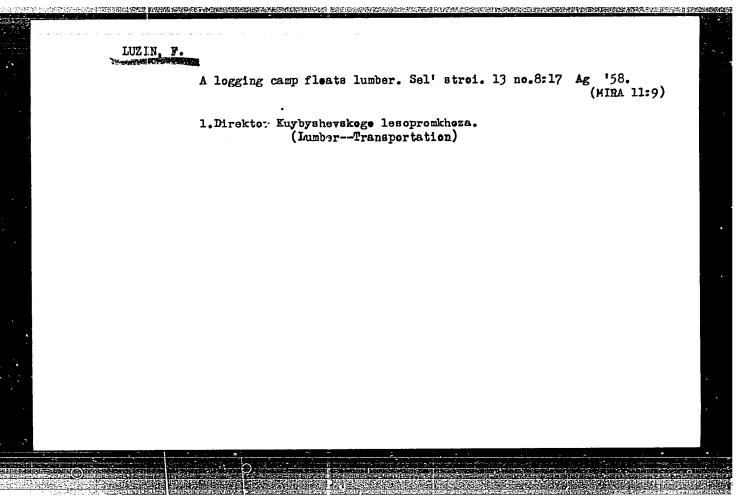
HYKOVA, Anna Leonidovna. Prinimali uchastiye: VEYSMAN, M.I.[deceased];
LUZIN, A.L.; SHCHENKOV, S.A., prof., red.; MEDVEDEVA, R., red.
izd-va; TELEGINA, T., tekhn. red.

[The theory of accounting] Teoriia bukhgalterskogo ucheta. Pod
red. S.A.Shchenkova. Moskva, Gosfinizdat, 1962. 352 p.

(MIRA 15:7)

NEW TRANSPORTER BETTER BET EWT(d)/EWT(1)/EWT(m)/EWP(w)/T/EWP(t)/ETI EM/JD IJP(c) L 36393-66 SOURCE CODE: UR/0056/66/050/004/0926/0935 ACC NR: AP6014032 AUTHOR: Luzin, A. N. ORG: Physicotechnical Institute of Tomsk State Universitety (Fiziko-tekhnickeskiy institut Tomskogo gosudarstvennogo universiteta) TITLE: Certain problems in the dynamics of a crystal lattice and the theory of elasticity Zhurnal eksperimental'noy teoreticheskoy fiziki, v. 50, no. 4, 1966, SOURCE: 926-935 TOPIC TAGS: crystal lattice, atom, waveguide, crystal decay, perturbation, elasticity theory ABSTRACT: The following two problems of the dynamics of an infinite crystal were solved: a) two semibound crystal parts possess equal but opposite velocities perpendicular to the interface at the initial time (collision) and b) external forces act on the atoms of an arbitrary crystal plane. It was shown that the solutions, which are integrals of superpositions of plane waves, can be separated into decaying and nondecaying perturbations. The nondecaying perturbations have the form of "step-like" waves, and they are solutions of the problems in the elasticity theory. The decaying perturbations are a refinement of the macroscopic theory. They move with the velocities other than that of sound. Perturbations connected with inflec-Card 1/2

tion point	P6014032 s of the dis	spersion curve	s decay the l blems in the	least. The method theory of fi	elation betweency filter	en the	
diaphragm results of	waveguides the work.	nd similar pro was noted. Th Orig. art. ha	e author than s: 14 formu	nks V. A. Zho las. [Based	on author's	abstract] [NT]	
SUB CODE:	20/ SUBM	DATE: 14Jul65	orig REF:	005/ OTH	REF: 002/		
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LUZIN, I.P

For high labor productivity in petroleum refining. West. khoz.

(MIRA 10:8)

(Labor productivity)

(Petroleum-Refining)

LUZIN, I.F.

N/5 740.161

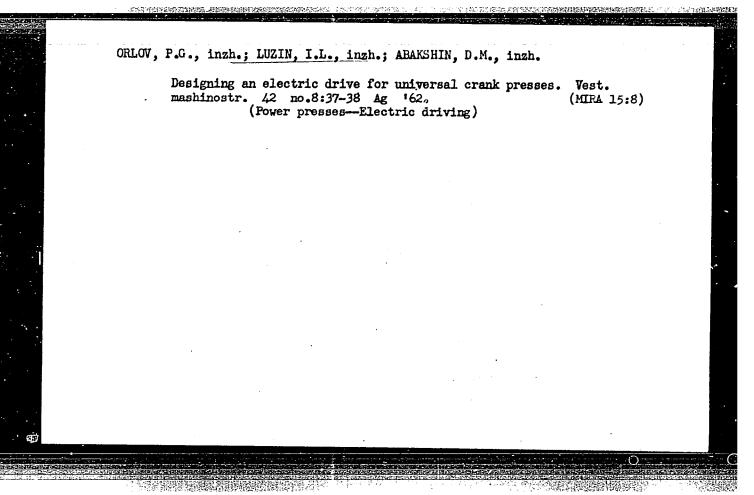
APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031010004-1"

I.F.LUZIN

Planirovaniye truda I zarabotnoy platy v kontore burnity planning the work and wages in oildribling. a prescical handbook, by (ye. Grekulov I Grekulov Yevgeniy Fedorovich

Moskva, gostoptekhiz dat 1957

77 p. graph, tables



SOKOLOV, D.A.; LUZIN, I.L.; POMOGAYEV, V.A.; BAKHAREV, E.V.

Improved sizing technology. Tekst.prom. 25 no.11:42-44 N '65.

(MIRA 18:12)

1. Nachal'nik laboratoriy Barnaul'skogo nauchno-issledovatel'-skogo instituta tekstil'noy promyshlennosti (for Sokolov, Luzin).

2. Nachal'nik tkatskogo proizvodstva Barnaul'skogo melanzhevogo kombinata (for Pomogayev). 3. Vedushchiy konstruktor Barnaul'-skogo nauchno-issledovatel'skogo instituta tekstil'noy promyshlennosti (for Bakharev).

LUZIN, A.V., vrach; LUZIN, K.A., inzhener

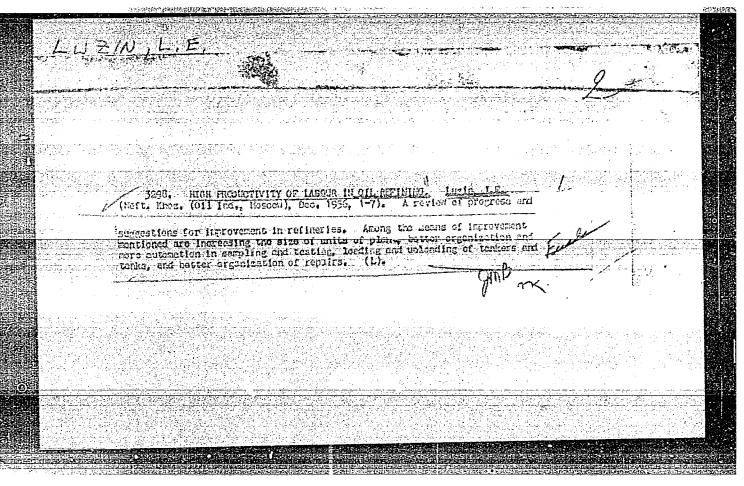
Fortable stroboscope. est. oto-rin. 19 no.1:94-96 Ja-F '57
(MLRA 10:4)

1. Iz kliniki bolezney ukha, gorla i nosa (zav.-dotsent Yu. K. Korotkova) Yaroslavskogo meditsinskogo instituta.
(OTORHINOLARINGOLOGY, apparatus and instruments, laryngeal stroboscope) (Rus)

LUZINA, A.V., assistent; LUZIN, K.A., inzh.

Olfactometer based on the principle of ejection. Vest. otorin. 22 (MIRA 14:5)

1. Iz kliniki bolezney ukha, gorla, nosa (zav. - dotsent Yulk. Korotkova) Yaroslavskogo meditsinskogo knatituta. (PHYSIOLOGICAL APPARATUS) (SMELL)



LAVRENT'YEV, M.A., akademik, red.; GERMOGENOV, A.V., red.izd-va; SHEVCHENKO, V.G., tekhn.red.

[Collected works] Sobranie sochinenii. Moskva, Izd-vo Akad.
nauk SSSR. Vol.3. [Studies on various problems in mathematics]
Raboty po razlichnym voprosam matematiki. 1959. 505 p.

(MIRA 12:8)

1. Chlen-korrespondent AN SSSR (for Sretenskiy).
(Mathematics)

LUZIN, Nikolay Nikolayevich (1883-1950), akademik; NOVOSELOV, S.I., otv. red.; GUBER, A., tekhn. red.

[Differential calculus] Differentaial'noe ischislenie. Izd.5., Moskva, Sovetskaia nauka, 1955. 476 p. (MIRA 16:9) (Calculus, Differential)

LUZIN, P.G.

DOYGOPOL, V.I.; LUZIN, P.G.; PISARENKO, G.A., inshener, retsensent; DOBROTVORSKIY, M.M., professor, retsensent; BELYNSKIY, S.V., doktor tekhnicheskikh nank, retsensent; PYATNITSKIY, A.N. I. o. glavnogo redaktora; DUGINA, N.A., tekhnicheskiy redaktor.

[Casting chilled-rim cast-iron wheels] Otlivka koles is otbelennogo chuguna; opyt Uralvagonsavoda. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. i sudostroit. lit-ry, 1953. 85 p. [Microfilm](MLRA 7:10)

1. Uralo-Sibirskoye otdeleniye Mashgiza(for Pyatnitskiy)
(Wheels) (Iron founding)

ANAN'IN, Anatoliy Andreyevich; BRILAKH, Mikhail Mikhaylovich; CHERNO-BROVKIN, Viktor Petrovich; FILIPPOV, A.S., kand.tekhn.nauk, retsenzent; MAKURIN, P.I., kand.tekhn.nauk, retsenzent; LUZIN, P.G., inzh., retsenzent; ZIMIN, V.M., inzh., retsenzent; LUZIN, W.A., tekhn.red.

[Cupola furnace operator] Vagranshchik. Izd.2., dop. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 175 p. (MIRA 12:12)

(Cupola furnaces)

CHERNOGOROV, Pavel Vasil'yevich; VASIN, Yuriy Petrovich; LUZIN, P.G., inzh., retsenzent; TSAREVSKIY, B.V., inzh., retsenzent; SIDORENKO, R.A., kand. tekhn. nauk, red.; DUGINA, N.A., tekhn. red.

[Making castings with a smooth surface] Poluchenie otlivok s chistoi poverkhnost'iu. Moskva, Gos. izd-vo mashinostroit. lit-ry, 1961. 143 p. (MIRA 14:7)

TURIO, Aleksey Afanas yevich, kuznets; LUZIM, P.G., insh., retsenzent; ANTSIFEROV, Yu.G., red.; BOGOSLAVETS, N.P., tekhn. red.

[New developments in free forging] Novoe v svobodnoi kovke. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1961. 22 p. (Biblioteka rabochego-mashinostroitelia. Seriia: Peredovaia tekhnika - osnova kommunisticheskogo truda, no.11) (MIRA 15:4)

1. Ural'skiy vagonostroitel'nyy zavod (for Turlo). (Forging)

VOLOSHCHENKO, Yuriy Iwonovich; ANBINDER, Aleksandr Danilovich;
LUZIN, P.G., insh., retsenzent; KOVALENKO, A.V., inzh.,
red.; DUGINA, N.A., tekhn. red.

[Manufacture of bimetallic bushings] Izgotovlenie bimetallicheskikh vtulok. Pod red. A.V.Kovalenko. Moskva, Mashgiz, 1961. 35 p. (MIRA 15:4) (Laminated metals) (Bearing industry)

ANTONOV, Petr Georgiyevich, Geroy Truda; LUZIN, P.G., inzh., retsenzent; OSIN, I.A., inzh., red.; DUGINA, N.A., tekhn. red.

[Advice to a young foundryman] Sovety molodomu liteishchiku.
Moskva, Mashgiz, 1961. 53 p. (Biblioteka rabochegomashinostroitelia. Seriia: Peredovaia tekhnika - osnova
kommunisticheskogo truda, no.5) (MIRA 15:7)
(Founding)

Grinding process in a hazmer mill. Teploenergetika 12 no.6:
10-14 Je '65. (MRA 18:9)

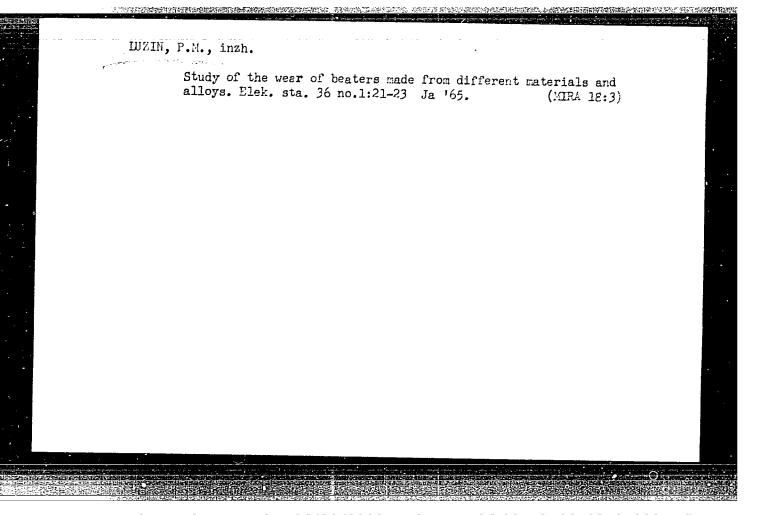
1. TSentral'nyy kotloturbinnyy institut.

SOKOLOV, N.V., doktor tekhn. nauk; LUZIN, P.M., inah.

Study of the motion of fuel in a hammer mill using a model. Energomashinostroenie 10 no.2:41-43 F '64.

(MIRA 17:6)

Effect of moisture on the milling of Mazarovo coal in hazmer mills. Teploenergetika 12 no.2:66-68 F '65. 1. TSentral'nyy kotloturbinnyy institut. (MIRA 18:3)



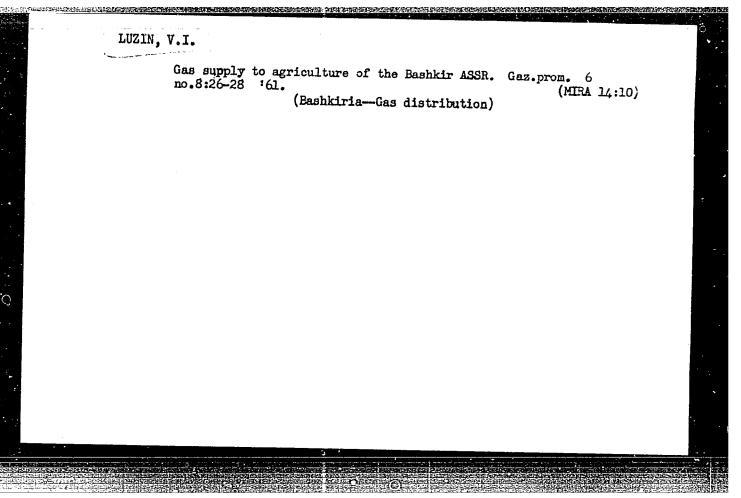
USER/Radio - Training Sep 1946
Communications - Equipment

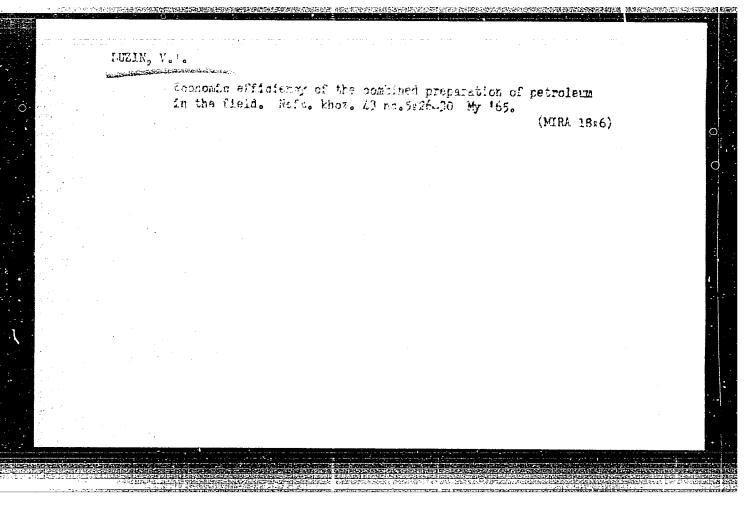
"Well-equipped Classes," It Col S. Inzin, Engrs, 6 pp

"Voyennyy Svyazist" No 9

This article is a general description of the training docdnoted by the Ger'kly Radio School and the Wh Communications Unit, as they are supposed to be the ideal training units from the standpoint of completeness of equipment, type of courses, and quality of the instructors and instruction. Brief description of the class in radio-electro technique, class in electroscobanics, class in radio for officers, etc.

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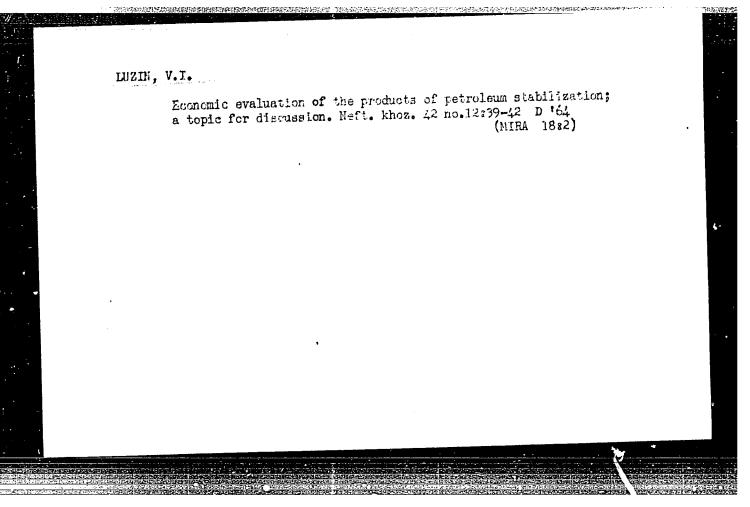


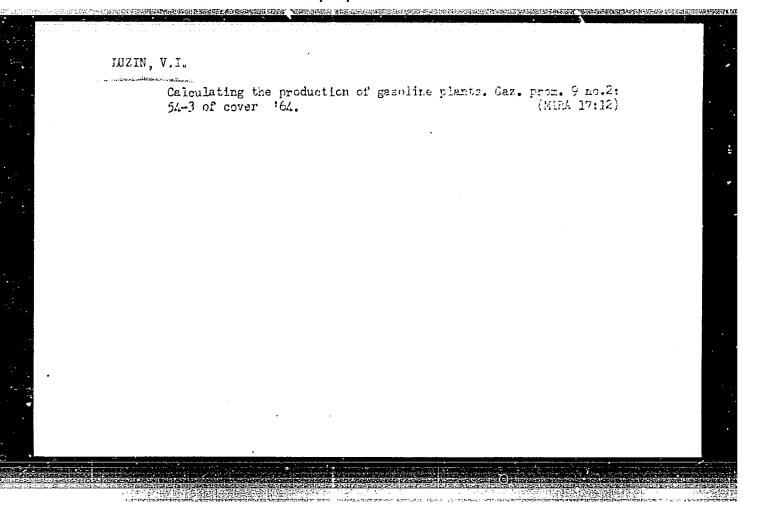


KHAYRULLIN, A.Kh.; LUZIN, V.I.; SAMIGULLIN, A.S.

Compensation for expenditures on geological prospecting.
Geol. nefti i gaza 6 no.2:23-27 F '62. (MIRA 15:2)

1. Bashkirskiy filial AN SSSR.
(Petroleum industry—Accounting)



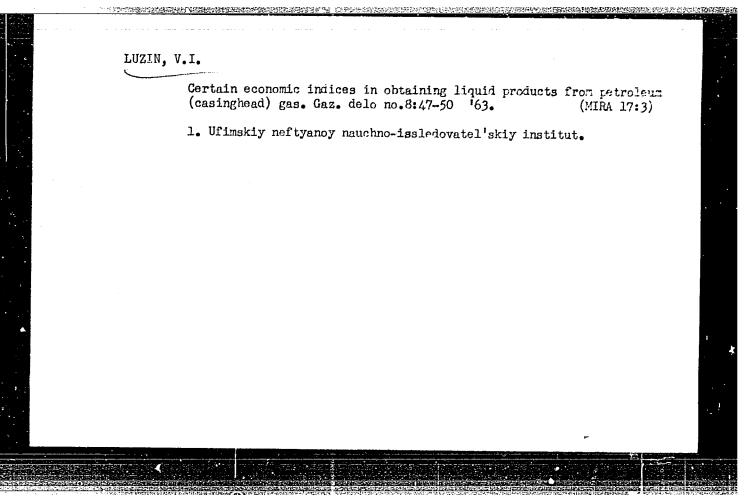


LUZIN, Vasiliy Ivanovich; BRENTS, A.D., red.; DUBROVINA, N.D., ved. red.; YAKOVIEVA, Z.I., tekhn. red.

[Economic efficiency of capital investments in petroleum production based on the example of the Urals and the Volga Valley] Ekonomicheskaia effektivnost' kapital'nykh vlozhenii v neftedobyvaiushchuiu promyshlennost'; na primere Uralo-Povolzh'ia. Moskva, Gostoptekhizdat, 1962. 130 p. (MIRA 16:4)

(Ural Mountain region—Petroleum industry—Finance)

(Volga Valley—Petroleum industry—Finance)



LUZIN, V.I.; SEGAL', S.Z.

Calculating the stabilization products of petroleum. Neft. khoz. 41 no.2:8-10 F '63. (MIRA 17:8)

LUZIN, Vasiliy Ivanovich; DUBROVINA, N.D., ved. red.

[Economics of the field preparation of oil and the refinement of oil-field gas] Ekonomika promyslovoi podgotovki nefti i pererabotki neftepromyslovogo gaza. Moskva, Izd-vo "Nedra," 1964. 141 p. (MIRA 17:7)

S/120/62/000/004/035/047 E192/E382

AUTHORS: Luzin, V.N., Radkevich, I.A. and Sokolovskiy, V.V.

TITLE: An instrument for continuous measurement and recording of slowly-changing magnetic fields

PERIODICAL: Pribory i tekhnika eksperimenta, no. 4, 1962, 192 - 196

TEXT: A block schematic of the instrument is shown in Fig. 1. A permalloy pick-up (K.N. Shorin, Yu.N. Metal'nikov, G.M. Bozin and L.V. Yeremin, PTE, no. 4, 1958, 25) consisting of a thin permalloy wire 2 is situated inside a balancing coil 1; a signal coil 3 is also wound on the permalloy wire. The pick-up is situated inside an alternating magnetic field produced by means of an audio-generator 5 by using an additional coil 4; the field has an amplitude of 5 Oe and a frequency of 10 kc/s. The signal from the pick-up is applied to an electronic-control system 6, whose output voltage controls an automatic potentiometer 7, the balancing coil 1 being connected into the slide-wire circuit of the potentiometer. The balancing current of the coil 1 is controlled by the Card 1/2

An instrument for

ASSOCIATION:

SUBMITTED:

Card 2/2

S/120/62/000/004/035/047 E192/E382 potentiometer and the balancing field is made equal to the measured field. A detailed description of the electroniccontrol circuit is given. The potentiometer is a laboratory instrument, type 50-102 LJA (BP-102 TsLA). The instrument can measure the field with an error of + 0.03 Oe. If its fullscale deflection is 4.5 Oe, the instrument can record fields varying at a rate of less than 4.5 Oe/sec. There are 5 figures. Institut teoreticheskoy i eksperimental'noy fiziki GKAE (Institute of Theoretical and Experimental Physics, GKAE) U canst September 26, 1961

24,6730.

407575

S/120/62/000/004/036/047 E039/E420

AUTHORS:

Luzin, V.N., Radkevich, I.A., Sokolovskiy, V.V.

TITLE:

The change in field in C-magnets of the proton

synchrotron after the completion of cycle

PERIODICAL: Pribory i tekhnika eksperimenta, no.4, 1962, 196-199

TEXT: The magnetic field in the interval between cycles is measured by means of a self-recording magnetometer using a permalloy probe. The operation of the magnetometer is based on automatic compensation of the measured fields. A description of the instrument is given. At a given moment of time t the measured value of the field B(t) is given by

 $B(t) = k_d I_d + k I(t)$

(1)

where k_d , k, I_d and I correspond to calibration coefficients and currents in the auxiliary and compensating coils of the probe. Experimentally determined values of coefficients are $k_d=0.4256$ gauss/mA $\pm 0.02\%$ and k=0.54 gauss/mA $\pm 0.2\%$. In order to measure the field at one point 5 to 10 cycles are required. An account of the method of measurement is given. Card 1/2

The change in field in ...

S/120/62/000/004/036/047 E039/E420

It is shown that the value of

$$\Delta = \frac{B_{10} - B_{res}}{B_{res}} \cdot 100\%$$

varies with the azimuthal distance ℓ from the centre of the magnet block. B_{10} is the value of the field immediately before the beginning of a cycle when the cycling rate is 10 cycles/min. Bres is the residual field. At the edge of the magnet $\Delta \sim +4.5\%$ and decreases practically to zero at the centre. With an increase in the maximum field in the cycle Bres and B_{10} decrease, the new value being established after 15 to 20 cycles. The mean square of the scatter of B_{10} from cycle to cycle does not exceed 0.04 gauss at the edge of the magnet and is less at the middle. The dependence of the field on cycling rate is also investigated. There are 2 figures.

ASSOCIATION: Institut teoreticheskoy i eksperimental'noy fiziki GKAE (Institute of Theoretical and Experimental

SUBMITTED: March 31, 1962

Card 2/2

Physics GKAE)

(6)

LUZIN, V. N.

1,0761

24 (130

S/120/62/000/004/042/047 E140/E420

AUTHORS:

Barmin, V.V., Bysheva, G.K., Tumanov, G.K., Agapkin, I.I., Andrayev, V.N., Veselov, N.A., Goldin, L.L., Luzin, V.N., Radkevich, I.A., Sokolovskiy, V.V., Stadnikov, A.G.

TITLE:

Investigation and correction of the horizontal component of the low-induction magnetic field of the

proton synchrotron

PERIODICAL: Pribory i tekhnika eksperimenta, no.4, 1962, 223-229

TEXT: Permalloy probes modulated at 10 kcs were used to measure the position of the neutral plane of the magnetic field. It was found that the distortion of the neutral plane in the residual field was determined mainly by the neutral pole. This distortion decreased as the excitation of the C-blocks was increased. occreased as the excitation of the C-blocks was increased.

Due to hysteresis effects, the measurements had to be carried out under operating conditions. A description of the probe and its associated circuits is given. The measurements show that 67 of the magnets have a deviation of the neutral plane in the range to the measurements. + 0.5 mm, 16 magnets have 0.5 to 0.6 mm, 3 magnets 0.6 to 0.7 mm Card 1/2

"APPROVED FOR RELEASE: 06/20/2000 CIA-R

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Investigation and correction ... El40/E³20

and 12 magnets > 0.7 mm. The average error of measurement is ... 0.17 mm. The method of correcting thereneutral plane errors by ... o.17 mm. The method of correcting thereneutral plane errors by moans of windings on the neutral poles is described. There are il figures.

ASSOCIATION: Institut teoreticheskoy i eksperimental noy fiziki GKAE (Institute of Theoretical and Experimental Physics GKAE)

SUBMITTED: April 11, 1962

Card 2/2

LUZIN, V. N.

1:0761

24.6739 AUTHORS:

5/120/62/000/004/045/047 E039/E420

Sokolovskiy, V.V., Radkovich, I.A., Gol'din, L.L., Kleopov, I.F., Kulakov, F.M., Luzin, V.N., Mozalovskiy, I.A., Okorokov, T.S., Talyzin, A.N.,

Trokhachev, G.V.

The effect of changes in the regime of the proton TITLE:

synchrotron supply systems on the magnetic characteristics of the blocks

PERIODICAL: Pribory i tekhnika eksperimenta, no.4, 1962, 240-244

TEXT: Measurements are made of the effect on the field and gradient in the C and X-blocks at a level of 90 gauss when the final smoothing condensers are either disconnected or connected symmetrically or non-symmetrically; in addition, the case when the final smoothing condensers are in circuit but the primary smoothing condensers are reduced to one quarter of their usual value is examined. The effect of a shunting thyratron and resistance is also investigated. Changes in the value of the field caused by any of the above do not exceed + 0.6% while the difference between blocks is about + 1%. The effect of these Card 1/2

5/120/62/000/004/045/047 E039/E420

The effect of changes ...

circuit changes on the rate of growth of the field covers the range +3.2 to -8.3% and for the difference between blocks +5.2 to -6.9%. Changes of the working range without altering the circuit produce significantly smaller effects than are produced by circuit produce significantly smaller effects than are produced by circuit changes, e.g. changes in the average field of separate blocks are 0.2 to 0.3% while the difference between their fields changes only by 0.02 to 0.05%. The introduction of an auxiliary control on the value of the residual field noticeably increases the accuracy of the results increases reduced to less than a the accuracy of the results, i.e. error reduced to less than a half its previous value. There are 3 figures and 4 tables.

ASSOCIATIONS: Institut teoreticheskoy i eksperimental'noy fiziki
GKAE (Institute of Theoretical and Experimental

Nauchno-issledovatel'skiy institut elektrofizicheskoy Physics GKAE) apparatury GKAE (Scientific-Research Institute of

Electrophysical Apparatus GKAE)

April 11, 1962 SUBMITTED:

Card 2/2

CIA-RDP86-00513R001031010004-1" **APPROVED FOR RELEASE: 06/20/2000**

LUZIN, V.N.; RADKEVICH, I.A.; SOKOLOVSKIY, V.V.

Apparatus for continuous measurement and recording of slowly varying magnetic fields. Prib. i tekh. eksp. 7 no.4:192-196
Jl-Ag '62. (MIRA 16:4)

1. Institut teoreticheskoy i eksperimental noy fiziki Gosudarstvennogo komiteta po ispol zovaniyu atomnoy energii SSSR. (Magnetic measurements)

LUZIN, V.N.; RADKEVICH, I.A.; SOKOLOVSKIY, V.V.

Variation in the magnetic field in the S-magnet of a proton synchrotron after completion of a cycle. Prib. i tekh. eksp.7 no.48196-199 Jl-Ag '62'. (MIRA 16:4)

l. Institut teoreticheskoy i eksperimental noy fiziki Gosudarstvennogo komiteta po ispol zovaniyu atomnoy energii SSSR. (Electromagnets) (Synchrotron)

SOKOLOVSKIY, V.V.; RADKEVICH, I.A.; GOL'DIN, L.L.; KLEOPOV, I.F.; KULAKOV, F.M.; HZIN, V.N.; MOZALEVSKIY, I.A.; OKOROKOV, I.S.; TALYZIN, A.N.; TROKHACHEV, G.V.

Effect of variations in the power supply system of a proton synchrotron on the magnetic characteristics of its units.

Prib. i tekh. eksp. 7 no.4:240-244 J1-Ag '62.

(MIRA 16:4)

1. Institut teoreticheskoy i eksperimental'noy fiziki Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii SSSR i Nauchno-issledovatel'skiy institut elektrofizicheskoy apparatury Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii SSSR.

(Electromagnets) (Synchrotron)

BARMIN, V.V.; BYSHEVA, G.K.; TUMANOV, G.K.; AGAPKIN, I.I.;
VESELOV, M.A.; ANDREYEV, V.M.; GOL'DIN, L.L.; LUZIN, V.N.;
RADKEVICH, I.A.; SOKOLOVSKIY, V.V.; STADNIKOV, A.G.

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Study and correction of the horizontal component of the magnetic field in a proton synchrotron on low densities. Prib. i tekh. eksp. 7 no.4:223-229 J1-Ag 162. (MIRA 16:4)

1. Institut teoreticheskoy i eksperimental'noy fiziki Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii SSSR. (Magnetic measurements) (Synchrotron)

LUZIN, V. I.

Luzin, V. P. - "On the problem of the state of geodetic studies of the region near the Caspian Sea in the light of new ideas and tasks of geodesy", (Report to the Scientific Conference of the Saratov State University, 1945), Uchen. zapiski (Sarat. gos. un-t im. Chernyshevskogo), Vol. XXII, Geography issue, 1949, p. 42-57

SO: U-4392, 19 August 53, (letopis 'Zhurnal 'nykh Statey, No. 21, 1949).

Making prestressed reinforced concrete girders. Bet. 1 zhel.-bet.
no.10:476-477 0 '60. (MIRA 13:10)

1. Glavnyy inzhener Stroytresta No.4, Chernigov (for Nebosklonov).
2. Zamestitel' glavnogo inzhenera Stroytresta No.4, Chernigov (for Luzin). 3. Direktor zavoda zhelezobetonnykh izdeliy, Chernigov (for Smirnov). (Girders)

LUZIN, Yu., inzh.; BELINSKIY, I., inzh.

Reinforced concrete crane girders with 12 spans under cranes with a 50-75 t. lifting capacity. Prom. stroi. i inzh. soor 5 no.5:35-40 S-0 '63. (MIRA 16:12)

S/137/61/000/011/050/123 A060/A101

AUTHORS:

Okley, L. N., Lomsadze, D. M., Luzin, Yu. F.

TITLE:

Pierceability of steel mark 20 as a function of temperature

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 11, 1961, 33, abstract 11D197 ("Shromebi, Tr. Gruz. politekhn. in-t", 1959, no. 3(64)

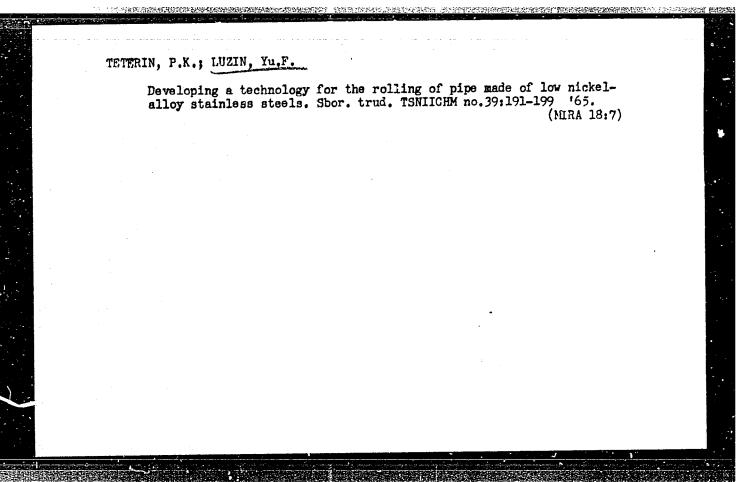
87-91)

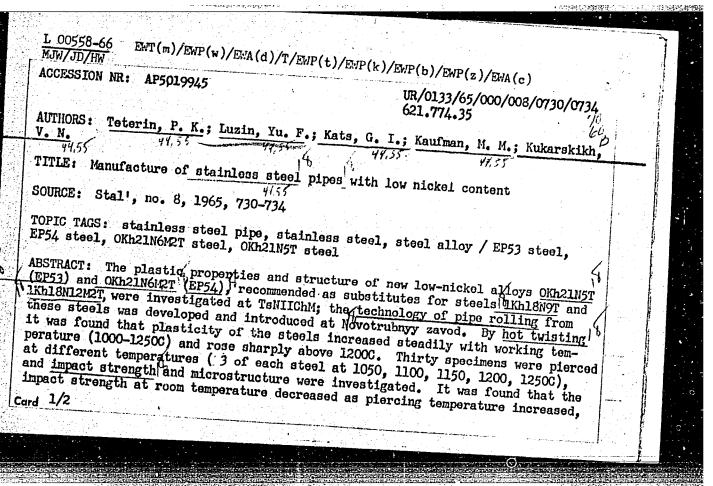
TEXT: The effect of temperature upon the pierceability of steel mark 20 was verified both under laboratory and plant conditions. On the basis of the experiments, a curve was constructed expressing the dependence of the critical reduction upon the temperature. The tendency of steel mark 20 to fracture under oblique rolling is reduced as the temperature increases.

K. Ursova

[Abstracter's note: Complete translation]

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	ACCESSION NR: AP5019945	
	dropping sharply above 12000 (from 20 and 14 kgm/cm ² at 12000 to 14 and 7 kgm/cm ²	
•	at 1250C for EP53 and EP54 respectively) and that the grain size increased above 1200C. Thus for satisfactory mechanical and surface properties the working tem-	100
	perature should be kept at ≈ 1150 C. Comparison of pressure on the rollers and power requirements between these steels and expensive alloys lKhl8N9T and	
i,	IMIENIENIE showed these to be 30-40% lower (on the average) for the new allows	7
	thickness reduction 32%, drawing coefficient 1.8-1.85, finel temperature 050	
	10000) the alloy properties were found to be $\sigma_{\rm B} = 70.1$, 63.0 kg/mm ² ; $\sigma_{\rm c} = 29.3$.	25.03
	29.5%; a = 19.8, 16.1 kgm/cm for EP53 and EP54 respectively after quenching from 1050C in water. Based on these results, technical parameters were defined	2000
۲.	1014 Making Dides (UnMIU/Ukrnii) No 313-61 Wand nine blenke (Chieu/Pantichic No 200)	
	61). After rolling 108 x 5.5 mm and 89 x 4.5 mm pipes under industrial conditions it was found that the best heat treatment consisted of 8-10 minutes at 970C and	
. 1	ASSOCIATION: TSNIICHM (TSNIICHM); Novotrubnyy zavod (New Pipe Plant)	200
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HEBOSKLOHOV, A.L.; LUZIN, Yu.N.

Hylon combine in Chernigov. From. stroi. i insh. scor. 1 no.1:18-21 0 '59.

1. Glavnyy inzhener tresta No.4, Chernigo (for Nebosklonov).
2. Zamestitel' glavnogo inzhenera tresta No.4, Chernigov (for Luzin).

(Chernigov--Textile factories)