KUZNETSOV, N.D.

Construction defects in lumber carts. Gidroliz. i lesokhim. prom. 10 no.2:22 '57. (MLRA 10:5)

1. Syavskiy lesokhimicheskiy kombinat.
(Carriages and carts) (Wood-using industries--Equipment and supplies)

KUZNETSOV, N.D.

KUZNETSOV, N.D.

Make better use of heat and fuel. Gidroliz. i lesokhim. prom. 10 no.8: 23-24 '57. (MIRA 10:12)

1. Siyavskiy lesokhimicheskiy kombinat.
(Wood-using industries)
(Fuel)

KUZNETSOV, N.D.

Operation of elongated dryers in the retort section. Gidroliz. i lesokhim. prom. 11 no.3:23-24 '58. (MIRA 11:5)

1. Syavskiy lesokhimicheskiy kombinat.
(Wood distillation) (Drying apparatus)

KUZNETSOV, M.D.

Efficient system of cooling a carburizing agent. Gidroliz. i lesokhim.prom. 12 no.1:27-28 '59. (MIRA 12:2)

1. Syanvskiy lesokhimicheskiy kombinat.
(Wood-using industries--Equipment and supplies)

KUZNETSOV, N.D.

Improving the manufacture of carburizing agent. Gidroliz.i lesokhim.prom. 13 no.1:25 '60. (MIRA 13:5)

1. Syavskiy lesokhimicheskiy kombinat.
(Syava--Wood-using industries--Equipment and supplies)

KUZNETSOV, N.D.

Efficient design of a car dumper drive. Gidroliz.i lesokhim. prom. 13 no.6: 26 '60. (MIRA 13:9)

1. Syavskiy lesokhimicheskiy kombinat.
(Siava--Wood-using industries--Equipment and supplies)
(Dumping appliances)

KUZNETSOV, N.D.

Structural defects in the arrangement of foundations for pneumatic forging hammers. Kuz.-shtam. proizv. 3 no.8:45 Ag '61. (MIRA 14:8)

(Forging machinery--Foundations)

KUZNETSOV, N.D.

We are mechanizing loading operations. Gidroliz. i lesokhim. prom. 14 no.6:27-28 '61. (MIRA 14:9)

1. Syavskiy lesokhimicheskiy kombinat.
(Loading and unloading)

KUZNETSOV, N.D., inzh.; OBOROTISTOVA, M.L., inzh.; YERMOLAYEV, A.U., inzh. YAGUNOV, A.A., inzh.; KRASNOV, A.I.; RYSIN, V.I., inzh.

Exchange of experience among the enterprises of economic councils. Torf. prom. 38 no.7:31-34 '61. (MIRA 14:12)

1. Syavskiy lesokhimkombinat Gor'kovskoy oblasti (for Kuznetsov). 2. Shaturskiy torfotrest Mosoblsovnarkhoza (for Oborotistova). 3. Predpriyatiye Osintorf sovnarkhoza BSSR (for Yermolayev). 4. Monetnoye torfopredpriyatiye Sverdlovskogo sovnarkhoza (for Yagunov). 5. Makeikha-Zybinskoye predpriyatiye Yaroslavskogo sovnarkhoza (for Krasnov). 6. Torfopredpriyatiye Radovitskiy mokh Mosoblsovnarkhoza (for Rysin).
(Peat machinery)

KUZNETSOV, N.D.

Creativeness of efficiency promoters. Gidroliz.i lesokhim.prom. 15 no.6:28-29 '62. (MIRA 15:9)

1. Syavskiy lesokhimicheskiy kombinat.
(Syava—Wood—Chemistry) (Efficiency, Industrial)

KUZNETSOV, N.D.

System for the transportation of charcoal fines and dust for burning. Gidroliz. i lesokhim. prom. 15 no.7:19-20 '62. (MIRA 16:8)

1. Syavskiy lesokhimicheskiy kombinat.
(Wood-using industries—Equipment and supplies)
(Conveying machinery)

KUZNETSOV, N.D., inzh.

Complete burning of fire wood in wood furnaces. Energetik 11 no.10:25 O '63. (MIRA 16:11)

KUZNETSOV, N.D.

Improving the procedures in maintenance work. Gidroliz. i lesokhim. prom. 16 no.4:27 '63. (MIRA 16:7)

1. Syavskiy lesokhimicheskiy kombinat.
(Technological innovations)

KUZNETSOV, N.D.

Technical innovations in the Syava Wood Chemicals Combine. Gidroliz. i lesokhim. prom. 17 no.5:26-27 '64. (MIRA 17:10)

1. Syavskiy lesokhimicheskiy kombinat.

KUZNETSOV, N.D., inzh.

New method for fastening caps to rectification column plates. Khim. mashinostr. no.3:40 My-Je '64. (MIRA 18:1)

KUZNETSOV, N.D.

Mechanized removal of distillation residue. Gidroliz. i lesokhim. prom. 18 no.3:30 '65. (MIRA 18:5)

1. Syavskiy lesokhimicheskiy kombinat.

KUZNETSOV, N.D.; OSIPOVA, Ye.V.

Recovery of volatile products from vapor-gas retort plants. Gidroliz. i lesokhim.prom. 18 no.4:19-22 '65.

(MIRA 18:6)

1. Syavskiy lesokhimicheskiy kombinat.

KUZNETSOV, N.D., inzh.

Improvement of a high-speed wood furnace with elimination of incomplete combustion. Energomashinostroenie 11 no.10:39-40 O '65. (MIRA 18:11)

KUZNETSOV, N.D.

Permeability of the hematoencephalic barrier following intramuscular use of streptomycin in patients with various nervous diseases. Med.zhur.Uzb. no.10:10-15 O '58. (MIRA 13:6)

1. Nauchnyy rukovoditel' - zav. klinikoy nervnykh bolezney Tashkentskogo gosudarstvennogo meditsinskogo instituta prof. L.Ya. Shargorodskiy.
(BRAIN) (STREPTOMYCIN) (NERVOUS SYSTEM--DISEASES)

KUZNETSOV, N.D.

Permeability of the hemato-encephalic barrier in persons with closed brain injury. Med. zhur. Uzb. no.11:39-42 N '60. (MIRA 14:5)
(BRAIN--WOUNDS AND INJURIES)

KUZNETSOV, N.D.

State of the hemato-encephalic barrier in people who have suffered a closed trauma of the brain, depending on the seasonal climatic conditions of Central Asia. Med. zhur. Uzb. no.11:13-14 N '61. (MIRA 15:2)

(BRAIN--WOUNDS AND INJURIES)
(ASIA, CENTRAL--WEATHER--MENTAL AND PHYSIOLOGICAL EFFECTS)

KUZNETSOV, N.D., inzh.

Elimination of a design defect in tubular heaters. Khim. i neft. mashinostr. no.9:36 S '65. (MIRA 18:10)

KUZNETSOV, N.D., inzh.

Replacing valves on a compressor. Stroi. i dor. mash. 9 no.5:39 My '64. (MIRA 17:6)

KUZNETSOV, N.D., inzh.

Manufacturing the composite impellers of centrifugal pumps from aluminum. Khim. i neft. mashinostr. no.1:38 Jl '64. (MIRA 17:12)

KUZNETSOV, N.D., inzh.

Pneumatic loading unit for charcoal. Mekh.i avtom.proiz.. 16
no.5:22 '62. (MIRA 16:5)

(Coal--Transportation)

KUZNETSOV, N.D., inzh.

Concerning the use of waste coal. Prom.energ. 18 no.1:8-9 Ja '63. (MIRA 16:4)

(Boilers) (Coal)

KUZNETSOV, N.D., inzh.

Simple attachment for removing snow from railroad tracks at construction sites. Stroi. i dor. mash. 7 no.12:32 D '62. (MIRA 16:1)

(Railroads--Snow protection and removal)

KUZNETSOV, N.D., inzh.

Using truck-cranes in work with grab buckets. Stroi.i dor.mash. 7 no.2:14-15 F '62. (MIRA 15:5)
(Cranes, derricks, etc.)

KUZNETSOV, N.D., inzh.

Using special contact terminals instead of Ipatov breaking devices.
Stroi. i dor. mash. 9 no.3:35 Mr '64. (MIRA 17:6)

GOLUBIN, Ye.A. (Sverdlovsk); KUZNETSOV, N.D. (Sverdlovsk)

Experimental results of nonsynchronous switching-in of single tandem lines. Elektrichestvo no.4:81-82 Ap '60. (MIRA 14:4)
(Telephone, Automatic)

KUZNETSOV, N. D., inzh.

Portable contact clamp with a removable dielectric rod. Energetik 12 no.4:17-18 Ap '64. (MIRA 17:7)

MAKUSHKIN, Ya.G., inzh. (Sverdlovsk); KUZNETSOV, N.D., inzh. (Sverdlovsk); VIKHOREV, Yu.A., inzh. (Sverdlovsk)

Experience in operating the ANRAN-IV analog computer system of the Ural Centralized Power Production, Distribution and Control Administration. Elektrichestvo no.5:79-81 My '65.

(MIRA 18:6)

MAKUSHKIN, Ya.G., inzh.; KUZNETSOV, N.D., inzh.

Load distribution with minimum fuel expenditures. Elek. sta. 34 no.10:61-64 O '63. (MIRA 16:12)

KUZNETSOV, N.D., inzh.

New design of the subassembly for the fastening of the packing. Khim. mashinostr. no.6:36 N-D '63. (MIRA 17:2)

KUZNETSOV, N.D.

Improvement of fractionating columns. Mashinostroitel' no.7: 15 Jl '63. (MIRA 16:9)
(Distillation, Fractional--Equipment and supplies)

KUZNETSOV, N. D.

"Polynomials of Almost Orthogonal Functions in Application to the Bending Theory of Plates." Thesis for dgree of Candid. Physico-Mathematical Sci. Sub 28 Dec 50, Sci Res Inst of Mechanics and Mathematics, Moscow Order of Lenin State U imeni M. V. Lomonosov

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernyaya Moskva, Jan-Dec 1950

10.6200

S/124/63/000/001/059/080
D234/D308

AUTHOR: Kuznetsov, N.D.

TITLE: A problem of deformation of a cylindrical ring

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 1, 1963, 49, abstract 1V364 (In collection: Issled. po teorii sooruzh. no. 8, M., Gosstroyizdat, 1959, 461-471)

TEXT: The author considers a circular ring loaded by radial forces from inside and outside. Using Kirchhoff's theory for bending of a curved rod, the author constructs the solution in the form of Fourier series and determines the expressions for bending moments and radial deformations of the ring. Comparison with the solution according to Bitseno is made. A numerical example is given.
[Abstracter's note: Complete translation]

Card 1/1

KUZNETSOV, N.F.

Lowering costs of building materials is the most important factor in lowering constructive cost. Gor. khoz. Mosk. 32 no.10:13-15 O '58. (MIRA 11:11)

1. Nachal'nik planovo-ekonomicheskogo otdela Glavmosstroymaterialov.
(Construction industry--Costs)
(Building materials industry--Costs)

KUZNETSOV, N.G.

Listeriosis of sheep in the Komi A.S.S.R. Veterinariia 38 no.11: 31-33 N '61 (MIRA 18:1)

1. Izhmo-Pechorskaya nauchno-issledovatel'skaya veterinarnaya stantsiya.

KUZNETSOV, N. G., Physician Dr. Med. Sci.

Dissertation: "Reamputation as a Method for Radical Treatment of End Osteomyelitis of Amputation Stumps." Second Moscow State Medical Inst. imeni I. V. Stalin 22 Dec 47.

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

KUZNETSOV, N.G.

Technic of amputation of extremities in relation to prevention of osteomyelitis of the amputation-stump. Uchen. zapiski vtor. moskov. med. Inst. Stalina Vol 2:54-59 1951. (CIML 21:4)

1. Docent. 2. Department of Hospital Surgery (Head--Prof. G.M. Novikov) of the Pediatrics Faculty.

KUZNETSOV, N. G. (Izhmo-Pechora NIVS [Veterinary Scientific Research Experimental Station.])

"Listeriosis in Sheep in the Komi Autonomous SSR
Veterinariya vol. 38, no. 11, November 1961, p. 31

SHEVTSOV, P.P., kand. tekhn. nauk; KUZNETSOV, N.G., inzh.

Effect of the increase of speed on the efficiency of tractor wheeled propellers. Trakt. i sel'khozmash. no.5:16-17 My '64. (MIRA 17:6)

1. Volgogradskiy sel'skokhozyaystvennyy institut.

SHAPKING, I. F. KUZNETSOV, N. I.

Pumping Machinery

"Metering Plunger Pump" Energ. Biul. No 2, 1952

SO: Monthly List of Russian Accessions, Library of Congress, May 1952 ~~1953~~, Uncl.

KUZNETSOV, Nikolay Ivanovich; LIPSKAYA, V.F., red.; GORYACHKINA, R.A., tekhn. red.

[Supports and foundations] Opory i fundamenty. Moskva, Avtotransizdat, 1963. 39 p. (MIRA 16:9)
(Bridges--Foundations and piers)

KUZNETSOV, N.I., inzh.

Prefabricated frameless bridge spans. Nov.tekh.zhil.-kom.khoz.: Gor. dor.-most.khoz. i transp. no.3:14-22 '63. (MIRA 17:10)

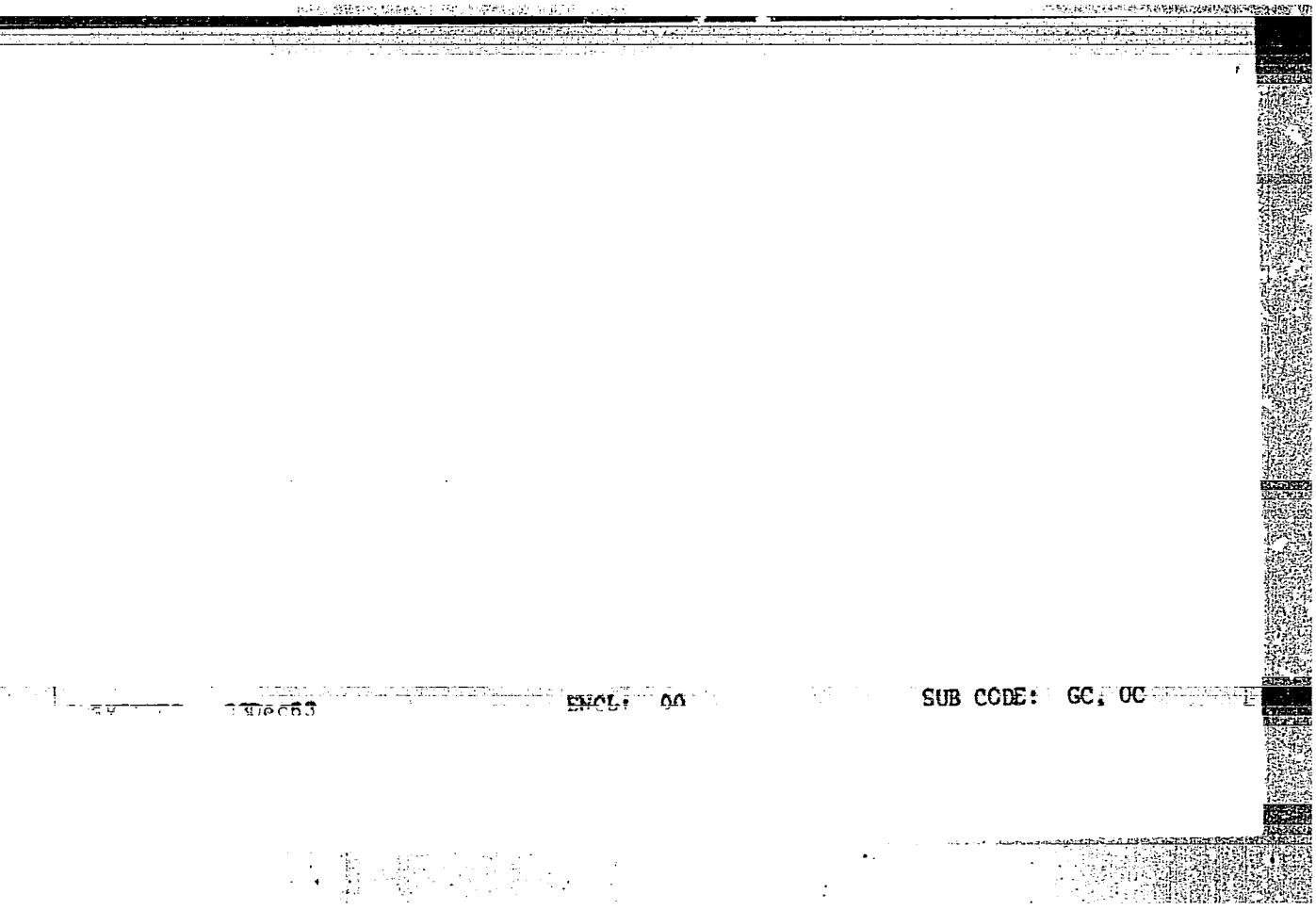
KUZNETSOV, N. I., SALGANIK, M. G., KUSHNER, K. H. F., KOSTIN, I. G., ZUBAREVA, K. A., and SHERSHUNOVA, L. I.,

"The Effect of Microdose Irradiation of Hen's Eggs upon Hatchability and other Characters of Chickens."

report submitted for the 11th Intl. Congress of Genetics, The Hague, Netherlands, 2-10 Sep 63

ZUBAREVA, L.A.; KUZNETSOV, N.I.

Effect of small doses of ionizing radiation on the intensity of respiration of chicken embryos. Trudy Inst. gen. no.31:319-329 '64. (MIRA 17:9)



APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928120018-0"

KUZNETSOV, N. I.

SHAPKIN, I. F. and KUZNETSOV, N. I. Selection of Sludge Samplings for Analysis (Otbor Prob Shlama dlya Analiza), pp. 11-12

The author describes a device for systematic extraction of sludge for chemical analysis during the steam-boiler operation. Special apparatus successfully tested with a 32 atm boiler assured fair sampling of sludge. (Drawings).

SO: ELECTRICHESKIYE STANTSII, No. 12, Dec. 1952, Moscow (1614306)

1. SHAPKIN, I. F.; KUZNETSOV, N. I.

2. USSR (600)

4. Steam Boilers--Incrustations

7. Selecting samples of sludge for analysis, Elek. sta., 32, No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

1. RODDATIS, K. F.; SHAPKIN, I. F.; SAZONOV, V. R.; KUZNETSOV, N. I.

2. USSR (600)

4. Steam boilers

7. Results of testing a small capacity, two-drum, vertical waste-tube boiler, Energ. viul, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

ROSDATIS, K. F., SHAFKIN, I. F., SAZONOV, V. N., [redacted].

Steam Boilers

Examining internal processes of a two-drum, vertical water-tube boiler of small capacity. Energ. biul. No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress
June 1953. UNCL.

KUZNETSOV, N.I., inzhener; ZALKIND, I.Ya., kandidat tekhnicheskikh nauk.

Heat resistant concrete outer walls for modern high-power steam boilers. Biul.stroi.tekh. 10 no.13:10-11 Ag '53. (MLRA 6:10)

1. Kontora po organizatsii i ratsionalizatsii rayonnykh elektrostantsiy i seti. (Steam boilers)

NEVEL'SON, M.I.; NIKITIN, A.I.; YANISHEVSKIY, V.V.; BOYKO, G.G.; KUZNETSOV, N.I.; BULANOVA, I.A.; GORSHKOV, V.I.; KATSMAN, I.A.; KUKAYEVA, [illegible]; RYZHOVA, V.V.; TUROBOVA, V.I.; CHEREDEYEVA, Ye.M.; KOSHELKIN, M.V.

Development of highly efficient ventilator models ORGRES operating according to a 0.68-161° system for electric power plants. Prom. energ. 18 no.7:8-9 Jl '63. (MIRA 16:9)
(Electric power plants--Electric equipment)
(Fans, Electric)

KUZNETSOV, N. I.

Preventive measures for eliminating dust clogs in intakes and coal dust systems. Energetik no.9:42 S '64. (MIRA 17:10)

KAPEL'SON, L.M., inzh.; KUZNETSOV, N.I., inzh.; DMITRIYEV, S.Ye., inzh.; ZAYDENTREGER, V.L., inzh.

Results of balance tests of the TP-230-6 boiler with vertical preliminary furnaces operating on antrhracite culm. Energomashinostroenie 10 no.7:16-19 Jl '64. (MIRA 17:9)

KUZNETSOV, N.I.

"The Fundamental Method of Studying Systems of Automatic Control with Perturbations being a random Function of time," Repor submitted at Second All-Union Conference on Automatic Control Theory, Moscow, 1953

Sum 1467

KUZNETSOV, N. I.

KUZNETSOV, N. I.: "The theory of rotary movement of a nonsymmetrical gyroscope and its application to a stude of the rotary movements of nonsymmetrical missile." Belorussian State U imeni V. I. Lenin Minsk, 1956. (Dissertation for the degree of Candidate in Sciences).

So: Knizhnaya Letopis', No 36, 1956. Moscow.

KUZNETSOV, N.I., inzhener.

A magnetic slip coupling for excavator drives. Elektrichestvo no.3: 68-69 Mr '57. (MLRA 10:4)

1. Kovrovskiy ekskavatornyy zavod.
(Clutches (Machinery)

KUZNETSOV, N.I.

104-4-7/40

AUTHOR: Komarov, A.M. and Kuznetsov, N.I., Engineers and Nevel'son, M.I., Candidate of Technical Sciences.

TITLE: The experience of ORGRES in the reconstruction of draught producing machinery. (Opyt raboty ORGRES po rekonstruktsii tyagodutevykh mashin)

PERIODICAL: "Elektricheskie Stantsii" (Power Stations), 1957, Vol. 28, No.4, pp. 23 - 26 (U.S.S.R.)

ABSTRACT: An article by Kuptsov in "Elektricheskie Stantsii, No. 7, 1956, severely criticised recent new types of draught fans, in which the blades are bent backwards, which were stated to be of poor characteristics. Kuptsov stated that the advantages of reconstruction of the draught producing equipment resulted not from higher efficiency of the machines but from selecting a machine suitable for the gas duct and by adjustments to the gas duct. A lot of money had been wasted on reconstruction of draught producing equipment in power stations.

This article is a reply to Kuptsov and controverts all his criticisms which are said to be in contradiction to experimental data quoted in the article. Figures are then given for the comparative efficiencies of the old and new types of machines. The results of reconstruction are

1/3

The experience of ORGRES in the reconstruction of draught producing machinery. (Cont.) 104-4-7/40

analysed and it is stated that, of course, the characteristics of the gas duct had been improved and that over the last ten years more than 500 induced draught fans and ventilators have been reconstructed with good effect. There have been a few cases in which the design characteristics were not achieved mainly because of defects of manufacture, which were sometimes unavoidable when the equipment was made in power station repair workshops, but these few cases do not discredit the general procedure of reconstruction..

The cost of reconstruction and the pay-off time is considered and pay-off times of a year or so are quite common. Several minor questions raised by Kuptsov are answered in detail.

It is concluded that Kuptsov's article is unfounded and tendentious, and that the correctness of the policy of reconstruction of draught equipment is fully confirmed. New circuits which are used in reconstruction are much more efficient than older ones and the new machines are more economical. The most promising type of fan is that with the blades curved backwards
2/3 which may be perfected to have an efficiency of 80 - 85% and which should be used for large new boilers and in the reconstruction of existing equipment.

The experience of ORGRES in the reconstruction of draught producing machinery. (Cont.) 104-4-7/40

3/3 There are three Slavic references.

AVAILABLE:

KUZNETSOV, N.I.

Effect of the dynamic asymmetry of a shell on its rotational motion. Uch. zap. BGU no.41:93-104 '58. (MIRA 12:3)
(Projectiles)

SOV/1873

PHASE I BOOK EXPLOITATION

8(5)

Kuznetsov, Nikolay Ivanovich

Ispytaniya i ekspluatatsiya elektromuft skol'zheniya (Testing and Use of Electric Slip Couplings) Moscow, Gosenergoizdat, 1959. 99 p. Errata slip inserted. 7,950 copies printed.

Ed.: M.I. Kustakovich; Tech. Ed.: K.P. Voronin

PURPOSE: This book is intended for engineering and technical personnel dealing with electric drives and automatic controls, and for electricians interested in electric slip couplings.

COVERAGE: The book describes bench and performance testing of electric slip couplings conducted at the Kovrovskiy ekskavatornyy zavod (Kovrov Excavator Plant) Operating principles, construction, history of origin, and future prospects of electric slip couplings are covered. Armorclad couplings with all-metal solid external armature are described in the main. The purpose and procedure of each test are given along with test results. The book contains diagrams, pictures, and cross-section drawings of various types of electric couplings. Design conditions and an example of coupling design are given in

Card 1/3

appendixes 1 and 2. No personalities are mentioned. There are 15 Soviet references.

TABLE OF CONTENTS:

AVAILABLE: Library of Congress

Card 3/3

GO/gmp
7-30-59

KUZNETSOV, N.I.; KHALIMANOVICH, M.P.

Effect of inaccuracies in the manufacture of a symmetrical gyroscope on its motion. Inzh.-fiz.zhur. no.8:112-115 Ag '59. (MIRA 12:11)

1. Belorusskiy gosudarstvennyy universitet im. V.I. Lenina, Minsk.
(Gyroscope)

05304
SOV/170-59-8-15/18

1(1); 28(5)

AUTHORS: Kuznetsov, N.I., Khalimanovich, M.P.

TITLE: The Effect of Inaccuracies in the Manufacture of Symmetrical Gyroscope on its Motion

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1959, Nr 8, pp 112 - 115 (USSR)

ABSTRACT: It is usually assumed that in the case of Lagrange heavy gyroscope motion it possesses dynamic symmetry. However, as a result of some inaccuracies in their manufacture, gyroscopes may have small deviations of their proper axis from the vertical, and this case is considered in the present paper. The asymmetry of the gyroscope may be caused by an inequality of equatorial inertia moments and by the presence of centrifugal inertia moments. The authors write down differential equations for a heavy asymmetrical gyroscope for small angles of nutation, which contain six variable moments of inertia. These equations are solved in the form of the series, Formula 8, the analysis of which shows that the motion of the gyroscope axis about the vertical is made up of five conical motions, two of which are inherent also to a symmetri

Card 1/2

The Effect of Inaccuracies in the Manufacture of Symmetrical Gyroscope on its Motion

05304
SOV/170-59-8-15/18

gyroscope, two are caused by the inequality of equatorial moments of inertia, and one is caused by centrifugal moments of inertia.
There are: 2 diagrams and 4 Soviet references.

ASSOCIATION: Belorusskiy gosudarstvennyy universitet im. V.I. Lenin (Belorussian State University imeni V.I. Lenin), Minsk.

Card 2/2

SOV/124-59-10-11175

Translation from: Referativnyy zhurnal, Mekhanika, 1959, No. 10, p. 11 (USSR)

AUTHOR: Kuznetsov, N. I.

TITLE: The Effect of Dynamic Asymmetry of a Projectile on Its Rotation

PERIODICAL: Uch. zap. Belorussk. un-t, 1958, No. 41, pp. 93-104

TEXT: The motion in air of a projectile was investigated, which has a small asymmetry $\varepsilon = (B_1 - B_2)/2B$, where B_1 and B_2 are the equatorial moments of inertia related to the projectile center, and B is the axial moment of inertia. Approximate equations of motion of the projectile relative to its center of gravity are obtained from the equations of motion of a projectile under the assumption that the angle between the axis of projectile and the velocity vector of the gravity center is small and that the equatorial components of the angular velocity are small in comparison with the axial one. The solution of the equations is required as a series arranged in powers of ε in case that a lateral force is not acting, and under the condition that the group of equations describing the motion of the gravity center was integrated. A section of this

VB

Card 1/2

SOV/124-59-10-11175

The Effect of Dynamic Asymmetry of a Projectile on Its Rotation

series linear in ε is found; the amplitudes of the additional oscillations of the projectile axis, caused by the dynamic asymmetry, are estimated for this section. The convergence of the approximations is not discussed. Misprints exist.

L. M. Markhashov

Card 2/2

S/120/61/000/006/033/041
E032/E514

AUTHOR: Kuznetsov, N.I.

TITLE: Stabilization of the photo-luminescence light-flux

PERIODICAL: Pribory i tekhnika eksperimenta, no.6, 1961, 138-139

TEXT: It is pointed out that during the recording of a photo-luminescence spectrum with a photoelectric spectrometer attachment, it is necessary to maintain the luminescence light-flux constant. Fluctuations in this light-flux may be due to: 1) voltage fluctuations across the lamp producing the exciting radiation; 2) fluctuations in the discharge arc inside the lamp, and 3) fluctuations in the transmission coefficient. The present author reports a device whereby the photo-luminescence light-flux may be stabilized. A particular feature of this circuit is that the light-flux is controlled by a photomultiplier [ФЭУ-17 (FEU-17)], which intercepts a fraction of the emitted light-flux which is reflected onto it by a 45° semitransparent plate. The voltage across the load of the photomultiplier is amplified (6Н2П) and then fed into a cathode follower (6Н3П). The output of the latter is applied to the grids of stabilizing tubes.

Card 1/3

Both the amplifier and the cathode-follower tubes are double triodes, the second halves of which are used as the anode and cathode loads, respectively. This simplifies the circuit and makes it independent of the ageing of the tubes. The stabilizing tubes (6H5C) are connected in parallel with the exciting lamp [СВДШ (SVDSh)].
There are 1 figure and 1 Soviet-bloc reference.

ASSOCIATION: Belorusskiy gosudarstvennyy universitet
(Belorussian State University)

SUBMITTED: March 21, 1961

22181

S/048/61/025/004/030/048
B117/B212

24,3500

AUTHORS: Shapiro, I. P. and Kuznetsov, N. I.

TITLE: Effect of the ultraviolet radiation on the luminescence characteristics of an electroluminophore

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, v. 25, no. 4, 1961, 523-524

TEXT: The present paper was read at the 9th Conference on Luminescence (crystal phosphors). Taking into account that there are numerous processes which may lead to a non-additivity of the photo and electric excitation the authors have investigated the simultaneous effect of ultraviolet radiation and that of the electric field on a ZnS-Cu electroluminophore at a varying excitation. The light green luminescent polycrystalline ZnS-Cu electroluminophore has been used suspended in liquid melamine formaldehyde resin. He has been placed between glass and quartz plates and their surfaces had been coated with a thin transparent SnO_2 layer. This capacitor has been exposed to ultraviolet rays produced by a mercury lamp of the type ПРК-4 (PRK-4), the quartz plate was facing the

Card 1/3

Effect of the ultraviolet...

lamp. The radiation source was feed from a rectifier having a compensating filter. The radiation emitted by the phosphorus has been recorded by an oscillograph with the help of a photomultiplier type ФЭУ-19 (FEU-19). Studying the dependence of the luminosity from the voltage applied, showed that there was a positive and also negative non-additivity of the photo and electric excitation. The test results show that the transition from the negative non-additivity to the positive will take place at a higher voltage if the ultraviolet excitation has been increased. It has been found that the sign of the non-additivity is a function of the heating temperature of the phosphorus. Cooling of the phosphorus brings about a negative non-additivity. The luminosity of the electroluminescence is a very important characteristic of the luminophores. Tests have shown that the frequenoy dependence of the luminosity at 20°C is marked by a positive non-additivity. At -20°C this dependence is mainly marked by a negative non-additivity. An accurate additivity is observed for this case at low frequencies (up to 300 cps). Based on these results it has been concluded that raising the temperature of the phosphorus will bring about a positive, and lowering the temperature will result in a negative non-additivity of the photo and electric excitation. Experimental data have also been found

Card 2/3

that illustrate the effect of the exposure to ultraviolet on the magnitude and form of the brightness wave. It has been found that an additional exposure to ultraviolet rays will change the luminous character of the luminosity waves if the phosphorus is excited with pulses of varying form. The authors thank M. V. Fok for suggestions. N. Pesenko, Student of the Belorusskiy gos. universitet (Belorussian State University) participated in these investigations. L. A. Vinokurov is mentioned. There are 1 figure and 1 Soviet-bloc reference.

SHAPIRO, I.P. [Shapira, I.P.]; KUZNETSOV, N.I. [Kuznietsov, N.I.]; PROKOSHINA, N.A. [Prakoshyna, N.A.]

Luminescence of the ZnSCu - Mn electroluminophor. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no.4:52-55 '63.

(MIRA 17:12)

KUZNETSOV, N., aspirant.

Practices in growing corn. Sel'khoz. Kirg. 3 no.10:15 O '57. (MLRA 10:11)

1. Kirgizskiy sel'skokhozyaystvennyy institut im. K.I. Skryabina.
(Kirghizistan--Corn (Maize))

KUZNETSOV, N.

USSR / Cultivated Plants, Cereals. M

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 34663

Author : Kuznetsov, N.
Inst : Not given
Title : Effect of Fertilizers on the Yield of Corn in the Valley of Chuiskiy.

Orig Pub : S. Kh. Kirgizii, 1957, No 5, 49-50.

Abstract : No abstract given.

Card 1/1

KUZNETSOV, N. I.: Master Agric Sci (diss) -- "The effect of fertilizers on the harvest and quality of corn in the Chuyskiy valley of the Kirgiz SSR". Frunze, 1958. 21 pp (Min Agric USSR, Kirgiz Agric Inst), 120 copies (KL, No 16, 1959, 109)

KIL'CHEVSKIY, Afanasiy Leont'yevich, doktor sel'skokhoz.nauk, prof.;
KUZNETSOV, Nikolay Ivanovich, kand.sel'skokhoz.nauk;
USTYUGOV, P.G., red.; BELYSHENOV, A., tekhn.red.

[Corn cultivation in Kirghizistan] Vozdelyvanie kukuruzy v Kirgizii. Frunze, Kirgizskoe gos.izd-vo, 1961. 77 p. (MIRA 15:5)

(Kirghizistan—Corn (Maize))

KOZLOV, V.I.; KUZNETSOV, N.I.

Dismountable cage for keeping small animals. Biol. v shkole 6: 80-81 N-D '58. (MIRA 11:11)

1. Gor'kovskiy gosudarstvennyy universitet.
(Nature study--Equipment and supplies)

KOZLOV, V.I.; KUZNETSOV, N.I.

Apparatus for registering the diurnal activities of birds nesting in the hollows of trees and small burrowing animals [with summary in English]. Zool. zhur. 37 no.8:1264-1267 Ag '58. (MIRA 11:9)

1.Gor'kovskiy gosudarstvennyy universitet.
(Scientific apparatus and instruments) (Zoology--Field work)

KUZNETSOV, N.I., KOZLOV, V.I.

Wintering place of bats in the Central Urals. Biul.MOIP. Otd. biol. 63 no.4:131-132 Jl-Ag '58 (MIRA 11:11)
(VOSKRESENSK REGION (SVERDLOVSK PROVINCE)--BATS)
(ANIMALS, HABITATIONS OF)

KUZNETSOV, N.I.

Ecology of the nutcracker in the central Urals. Biul. MOIP. Otd. biol. 64 no.2:132-133 Mr-Ap '59. (MIRA 12:10)
(Ural Mountains--Crows)

L 35324-66 EWT(m)/EWP(j) RM

ACC NR: AP6026892 SOURCE CODE: UR/0062/65/000/012/2124/2128

35
B

AUTHOR: Nesmeyanov, A. N.; Perevalova, E. G.; Nikitina, T. V.; Kuznetsova, N. I.

ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet)

TITLE: Effect of hydrochloric acid on the azo derivatives of ferrocene

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 12, 1965, 2124-2128

TOPIC TAGS: hydrochloric acid, ferrocene, organic azo compound, chemical synthesis, nitrobenzene, chemical decomposition, condensation reaction, chemical reduction, amine

ABSTRACT: A study was made of the effect of conc. HCl on benzeneazoferrocene and m- and p-ferrocenylazobenzenes -- azo derivatives of ferrocene synthesized by condensation of nitrobenzene with ferrocenylamine and m- and p-ferrocenylanilines. It is shown that conc. HCl causes benzeneazoferrocene to decompose and form Fe-free substances; products of benzidine-type rearrangement have not been detected. Conc. HCl transforms m- and p-ferrocenylazobenzenes into ferrocenylaniline, aniline and substances isomeric to ferrocenylhydrazobenzene. In this case the ferrocenylazobenzenes are protonated and decompose, to form $FeCl_2$, which then reduces the second molecule of the protonated ferrocenylazobenzene to a hydrazo compound. The hydrazo compound is either further reduced to amines or gets disproportionated and rearranged.

[JPRS: 36,455]

SUB CODE: 07 / SUBM DATE: 29Jul63 / ORIG REF: 006 / OTH REF: 003

Card 1/1 UDC: 542.957+546.72

ZUBAREVA, L.A.; KOSTIN, I.G.; KUZNETSOV, N.I.; SHERSHUNOVA, L.I.

Survival rate and productivity of the offspring of hens irradiated with small doses of gamma rays during embryogeny. Trudy Inst. gen. no.33:148-154 '65.

(MIRA 18:12)

ZUBAREVA, L.A.; KUZNETSOV, N.I.; KUSHNER, Kh.F., prof., rukovoditel' raboty

Gamma irradiation of hen's eggs with doses of 2,9-7,65 r and its effect on gas and energy metabolism in embryos. Trudy Inst. gen. no.33:155-163 '65. (MIRA 18:12)

VOLKOV, Boris Mikhaylovich; GRODNEV, Igor' Izmaylovich; YEFIMEYEVA, Nina Yefimovna; KUZNETSOV, Nikolay Ivanovich; VOLODARSKAYA, V.Ya., red.

[Plastic coated communication cables] Kabeli sviazi v plastmasse. Moskva, Sviaz', 1965. 190 p. (MIRA 18:12)

KUZNETSOV, Nikolay Ivanovich; MOLCHANOVA, A., red.

[International system of units (SI)] Mezhdunarodnaia sistema edinits (SI). Izd. 2., ispr. i dop. Minsk, Vysshaia shkola, 1965. 93 p. (MIRA 18:8)

KUZNETSOV, N.K.

KUZNETSOV, N.K., sanitarnyy vrach; KUZNETSOV, N.V., assistent

Discussion of the draft for a Sanitation Code of the U.S.S.R. Gig. i san. 22 no.5:61-62 My '57. (MIRA 10:10)

1. Iz sanitarno-epidemiologicheskoy stantsii i kafedry gigiyeny Stalinbadskogo meditsinskogo instituta.
(LEGISLATION, MEDICAL,
Sanit. Codex of USSR (Rus))

KUZNETSOV, N. K.

Engineer. Wrote about Dzoraget hydro-electric power plant, installed capacity; turbines, sub station, etc. Near Kalageran, Kirovakan, Alaverdi; Armyanskaya Ssr.

Soviet Source: P: Gidrotekhnicheskoye Stroitel'stvo, No. 11, 1935, Moscow.

Abstracted in USAF "Treasure Island", on file in Library of Congress, Air Information Division, Report No. 94138

KUZNETSOV, N. K.

KUZNETSOV, N. K. Rural hydro-electric power stations. Moskva, Sel'khozgiz, 1941. 343 p.

KUZNETSOV, N. K.

KUZNETSOV, N. K. Agricultural hydro-electric power stations. Izd. 2., perer. i dop. Moskva, Sel'khozgiz, 1948. 316 p.

KUZNETSOV, N. K. PA 37/49T53

USSR/Engineering Sep 48
Lathes
Machines, Screw-Cutting

"Modernization of the TV-02 Lathe for Cutting the Spiral of Archimedes in the Disk of the Lathe Chuck TS-165," N. K. Kuznetsov, ½ p

"Stanki i Instrument" No 9

Describes modification of lathe according to kinematic scheme suggested by Comrades Butuzov and Moshkov. Work involved is not great, and productivity of lathe (for making scroll plates) is increased. Includes diagram.

37/49T53

KUZNETSOV, N. K.

176T55

USSR/Hydrology - Dams

Feb 51

"Standardization of Wooden Cribwork Dams," N. K. Kuznetsov, Cen Planning Inst, Moscow Inst Mech and Electrification of Agr (MIMESKh)

"Gidrotekh i Meliorat" Vol III, No 2, pp 54-59

States that small hydraulic stations require standard constr. Described constr is 1.5 times more economical than usual ones.

176T55

KANTOROVICH, Boris Veniaminovich; ~~KUZNETSOV, Nikolay Kuz'mich; Prini-~~
mali uchastiye: GRIBANOV, I.P.; KAZARNOVSKIY, Yu.E.; FLORINSKIY,
M.M., retsenzent; FLEKSER, Ya.N., retsenzent; YELIZAVETSKAYA, G.V.,
red.; DEYEVA, V.M., tekhn. red.

[Hydraulics, water supply, and hydraulic power plants] Gidravlika
vodosnabzhenie i gidrosilovye ustanovki. Moskva, Izd-vo sel'khoz.
lit-ry, zhurnalov i plakatov, 1961. 550 p. (MIRA 15:1)
(Hydraulic engineering)

KUZ[illegible], N. I.

Metod izgotovleniia konicheskikh koles [Method of bevel-gear production]. Moskva-na-Donu, Rost. kn. izd-vo, 1953. 40 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 11 February 1954

GAMAYUNOVA, A.P.; DOBROKHOTOVA, K.V.; KUZNETSOV, N.M. [deceased]; PAVLOV, N.V.; POLYAKOV, P.P.; SUVOROVA, N.I., redaktor; ALFEROVA, P.F., tekhnicheskiy redaktor

[Flora of Kazakhstan] Flora Kazakhstana. Glav. red. N.V.Pavlov. Sost. A.P.Gamaiunova, i dr. Alma-Ata. Vol.1. 1956. 352 p.
(MLRA 9:8)

1. Akademiya nauk Kazakhskoy SSR. Alma-Ata. Institut botaniki.
2. Deystvitel'nyy chlen AN KazSSR (for Pavlov)
(Kazakhstan--Botany)

KUZNETSOV, N.M., inzhener

Suggestions from efficiency workers. Bum.prom.30 no.8:24 Ag'55.
(MLRA 8:11)

(Mari A.S.S.R.--Paper industry)