BELYAKOV, N.A.; NOSOV, G.I.; PUZYREV, I.V.

Carding machine with bicoil coiler. Nauch.-issl.trudy IvNITI 26:35-52 '63. (MIRA 18:4)

BELYAKOV, Nikolay Fedorovich [Bieliakov, M.F.]; KOVALENKO, Yu.S., dotsent, otv.red.; ALYAB'YEV, M.Z. [Aliab'iev, M.Z.], red.; RUDNITSKAYA, I.T. [Rudnyts'ka, I.T.], tekhn.red.

[Collection of problems in foundation engineering] Zbirnyk zadach z osnov ta fundamentiv. Kharkiv, Vyd-vo Kharkivs'koho derzh.univ.im.O.M.Gor'kogo, 1960. 183 p. (MIRA 13:8)
(Foundations)

BELYAKOV, N.F. (Khar'kov); LYSHKEVICH, V.A. (Khar'kov); STOROZHENKO, A.A. (Khar'kov); CHEBOTAREV, D.N. (Khar'kov)

Concrete piles with a corrugated surface. Osn., fund. i mekh. grun. 4 no.3:17-18 '62. (MIRA 15:7)
(Piling (Civil engineering))
(Precast concrete construction)

BELYAKOV, N. I.

BELYAKOV, N. I.: "The use of the method of amperometric titration in the technical analysis of metals." Moscow State U imeni M. V. Lomonosov. Moscow, 1956.
(Dissertation for the Degree of Candidate in Chemical Sciences.)

SO: Knizhnaya Letopis', No. 26, 1956

GEL'FGAT, D. B.; VORONTSOVA, N. I.; BELYAKOV, N. I.

Methods and equipment for testing the strength of moterbus bodies. Avt. prom. 28 no.9:18-21 S '62. (MIRA 15:10)

(Moterbuses—Bodies—Testing)

ILYAKOV, N.M., inzhener.

Strength of solid, flat and inserted, round dowel joints. Der. prom.4 no.1:6-9 Ja'55. (MLRA 8:3)
(Joinery)

BELYAKOV, N.M.

USSR/Farm Animals. General Problems. Q

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16717.

Author : Belyakov N.M., Litash V.S.
Inst :
Title : For Radical Improvement of Pedigree Breeding Work (Za korennoye uluchsheniye plemennoy raboty).

Orig Pub: Mosk. kolkhoznik, 1957, No 7, 11-13.

Abstract: No abstract.

Card : 1/1

3

Belyakov, N.M.

BELYAKOV, N.M., kand.tekhn.nauk

Plywood pipelines. Tekst.prom. 17 no.10:49 O '57. (MIRA 10:12)
(Textile industry--Equipment and supplies)
(Pipe, Wooden)

BELYAKOV, N.N.

Analysis of damage from accidental grounds in cable networks.
Elek. sta., 23, no. 6, 1952

1. BELYAKOV, N.N.

2. USSR (600)

4. Electrical Power Plants

7. Planning the electrical portion of rural electric plants, Mekh. i elek.sel'khoz. no. 2, 1953.

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

BELYAKOV, N. N.

"Investigation of Overvoltage in Arc Circuits Grounded to the Earth." Cand Tech Sci, Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov, Min Higher Education USSR, Moscow, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)

SO: SUM No. 556, 24 Jun 55

BURG-SDORF, V.V., doktor tekhnicheskikh nauk; BELYAKOV, N.N., kandidat tekhnicheskikh nauk; MURAVLEVA, N.V., inzhener.

Investigation of overvoltages due to vibrations resulting from cutting a wave. Elektrichestvo no.5:21-26 My '56. (MLRA 9:8)

1. TSentral'naya nauchno-issledovatel'skaya elektrotekhnicheskaya laboratoriya Ministerstva elektrostantsii.
(Lightning protection)

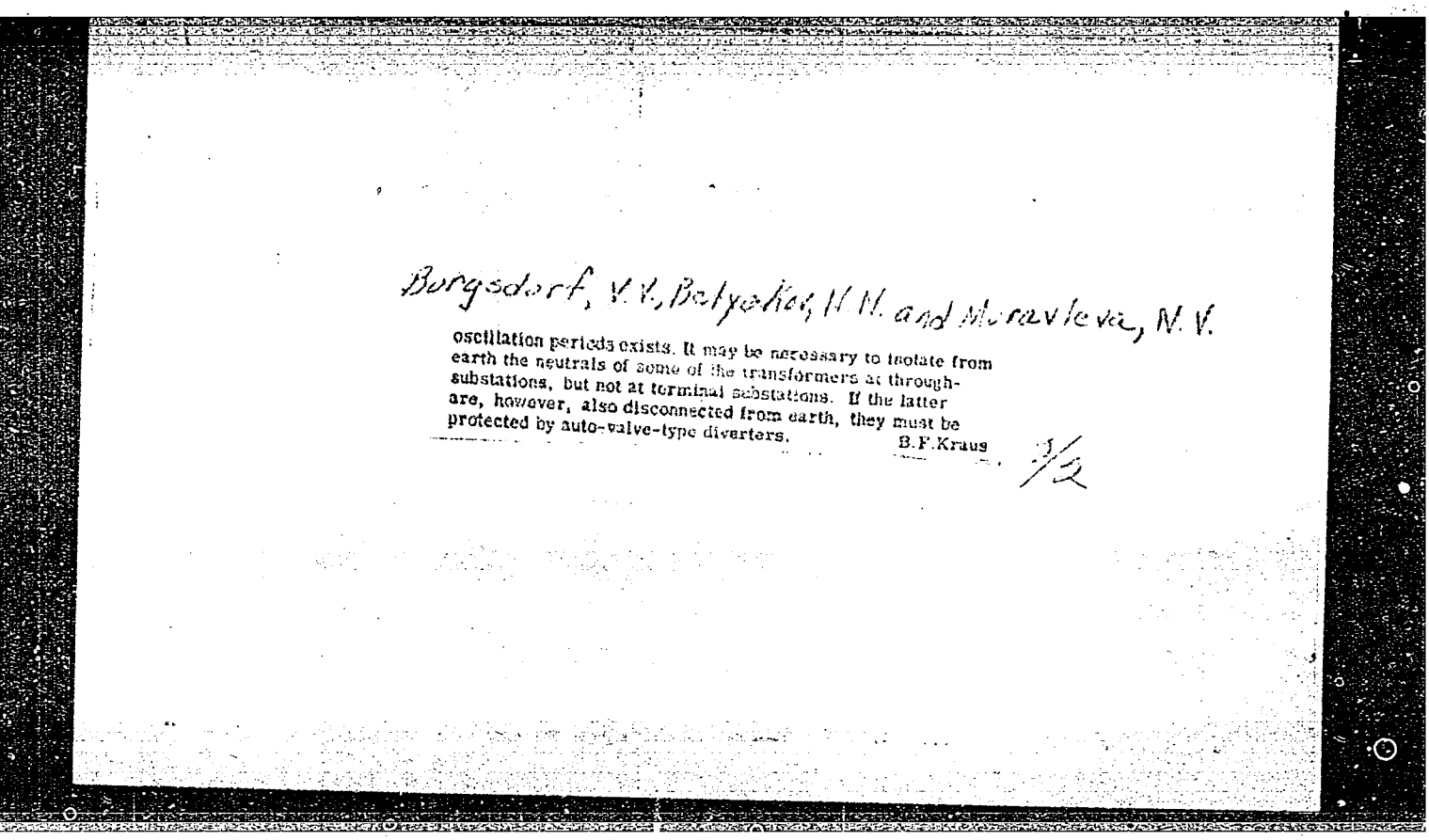
BELYAKOV, N.N., inzhener.

Designing substations for the electrification of agriculture.
Elek.sta.27.no.6:37-40 Je '56. (MIRA 9:9)
(Electric substations)

621.316.93 : 621.311.4

3798. INVESTIGATION OF SURGES SET UP BY OSCILLATIONS WHEN A WAVE IS CHOPPED. V.V.Burgsdorf, N.N.Belyakov and N.V.Kuravleva, Elektrichestvo, 1956, No. 6, 31-6. In Russian.

The conditions under which dangerous oscillations are set up in substations with independent feeders, when waves are chopped by expulsion-type diverters or protective spark gaps were determined. Such oscillations are possible not only if the waves are chopped near the substation, but also at the outer end of a protected lead-in or even further away. In passing through the substation the outgoing lines practically damp out any oscillations set up at the busbars through wave-chopping. To prevent dangerous oscillations from developing on waves being cut by expulsion tubes at the substation or the nearest line support, it is necessary to limit the role of the tube to the protection of the line isolator and oil circuit-breaker when a line is disconnected from the substation and not to permit its operation before that of the auto-valve-type arrester in all other cases. It is also desirable that the latter should operate when oblique waves of small amplitude are chopped by the expulsion tube. This is effected by increasing the setting of the external gaps of the expulsion tubes by a specific amount. To prevent lightning surges from setting up excessive voltage oscillations at the busbars, the impulse resistance of the expulsion tubes at the far end of the lead-in should be reduced to 5 ohms. All these measures cannot safely exclude dangerous surges between neutral point and outgoing lines where an unfavourable combination of natural-



Borgsdorf, V.V., Belyakov, N.N. and Moravleva, N.V.

oscillation periods exists. It may be necessary to isolate from earth the neutrals of some of the transformers at through-substations, but not at terminal substations. If the latter are, however, also disconnected from earth, they must be protected by auto-valve-type diverters.

B.F.Kraus

1/2

AUTHOR BELYAKOV N.N. PA - 3101

TITLE A Study of Overvoltages During Arcing Ground Faults in 6 and 10 kV Circuits With Insulated Neutrals.
(Issledovaniye perenapryazheniy pri dugovykh zamykaniyakh na zemlyu v setyakh 6 i 10 kV s izolirovannoy neytral'yu -Russian)

PERIODICAL Elektrichestvo, 1957, Nr 5, pp 31 -36 (U.S.S.R.)
Received 6/1957 Reviewed 7/1957

ABSTRACT The purpose of the work was to establish by means of systematic experiments the properties and behavior of the capacitatively ground connected arc in 6 and 10 kV circuits and on the basis of the collected data to determine the level of overvoltage. The validity of the extinguishing of the alternating ground connected arc and the possible over voltage amplitudes (under various incandescant conditions) must be sought on the grounds of the analysis of the dielectric strength of the arc interval immediately after the extinguishing and also on the grounds of a comparison of the same with the high frequency maximums of the self restoring voltage. The extinguishing of the capacitative arc is controlled by neither the frequency of the oscillation nor by working frequency of the circuit. The extinguishing takes place then when the high frequency maximum of the self restoring voltage is smaller than a determined amplitude. The conditions for the extinguishing of the arc lead to the limitations of the neutral conductor displacement voltage. In so far as the control experiments which were carried out under different conditions of arcing agree with the results of the arc investigations,

Card 1/2

BELYAKOV, N.N., kandidat tekhnicheskikh nauk, redaktor; SKVORTSOV, I.M., tekhnicheskiy redaktor

[Transient processes in electric systems; a collection of articles] Perekhodnye protsessy v elektricheskikh setiakh; sbornik statei. Pod red. Beliakova. Moskva, Gos.energ.izd-vo, 1957. 55 p. (MLRA 10:9)

1. ORGRES, trust, Moscow.
(Electric switchgear) (Transients (Electricity))

BELYAKOV N.N.

MAYKOPAR, A.S., kand.tekhn.nauk; BELYAKOV, N.N., kand.tekhn.nauk.

Arcing faults on 400 kv lines and means for their suppression.
Elektrichestvo no.1:19-25 Ja '58. (MIRA 11:2)

1.TSentral'naya nauchno-issledovatel'skaya elektrotekhnicheskaya laboratoriya Ministerstva elektrostantsiy.
(Electric lines--Overhead)

BELYAKOV, N.N., kand.tekhn.nauk

Overvoltages associated with arc contacts to ground with simultaneous phase cutoff. Elek.sta. 29 no.11:46-48 N '58. (MIRA 11:12)

(Overvoltage) (Electric networks)

8(3)

SOV/105-59-2-1/25

AUTHORS: Burgsdorf, V. V., Doctor of Technical Sciences,
Belyakov, N. N., Candidate of Technical Sciencee

TITLE: Transferring Transmission Lines to a Higher Voltage Level Without Strengthening Their Insulation (Perevod liniy elektroperedachi na boleye vysokoye nominal'noye napryazheniye bez usileniya izolyatsii)

PERIODICAL: Elektrichestvo, 1959, Nr 2, pp 1-5 (USSR)

ABSTRACT: The conditions are investigated for transferring transmission lines to a higher voltage level without strengthening their insulation. The ratio of the line insulation level at normal operation to the possible values at internal overvoltages is of decisive importance. Investigates the overvoltages generated at opening lines at no-load operation, at automatically reclosing and at unsymmetrical short-circuits. It is shown that transferring the 110, 150, and 220 kv lines to voltages of 150, 220, and 330 kv is possible, without strengthening their insulation, at the following conditions: at the use of air switches, oil switches with low resistance shunts and of switches without reclosing action and at autotransformer connections having no switches on the high voltage side. On the

Card 1/2

base of this statement the electrical industry is requested to ensure the production of the required number of oil switch types without reclosing action and equipped with low resistance shunts. There are 1 figure, 3 tables, and 19 references, 5 of which are Soviet.

SUBMITTED: October 10, 1958

Card 2/2

9(2)

AUTHOR: Belyakov, N.N., Engineer

SOV/91-59-9-20/33

TITLE: A Simple Foundation for Installing a 35 kv Circuit Breaker

PERIODICAL: Energetik, 1959, Nr 9, pp 27-28 (USSR)

ABSTRACT: Until recently, oil-filled circuit breakers VM-35 and VMD-35 were installed on relatively heavy and expensive concrete foundations which required an excavation of up to 9 cubic meters. The author developed a five time less expensive foundation for installing oil-filled VMD-35 circuit breakers, which is similar to that used for the 35/6-10 kv, 3200 kva transformers. A steel-reinforced concrete slab of 2130 x 1470 x 120 mm is placed on a 250 mm thick gravel bed. The circuit breaker is fastened to the slab by bolts, as shown in Figures 1 and 2. In 1956, the first experimental slab was used for a 35 kv circuit breaker in the Gor'kovskaya oblast'. Later, such slabs were used also at various other sites. The operation of the circuit breakers during the past two or three years shows

Card 1/2

A Simple Foundation for Installing a 35 kv Circuit Breaker

that a steel-reinforced slab placed on a gravel bed provides a stable support for an oil-filled circuit breaker. Freezing or thawing of the ground has no influence on the slab. The author recommends the application of such foundations. A note from the editor says that a drainage must be installed in the gravel bed, similar to that used for the transformer beds. There are 2 diagrams.

BELYAKOV, N.N., kand.tekh.nauk; SHERENTSIS, A.N., inzh.

Present-day surge protection of 35 to 500 kv. switchgear.
Elektrichestvo no.7:51-56 Jl '60. (MIRA 13:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektroenergetiki (for Belyakov). 2. Teploelektroproyekt (for Sherentsis).
(Electric switchgear)
(Electric protection)

BELYAKOV, N.N., inzh.

Simplifying 35 kv. open distribution installation. Energetik 8 no.5:20-21 My '60. (MIRA 13:8)
(Electric power distribution)

BELYAKOV, N.N., inzh.

Simplification of pole crowns for 35 kv. electric transmission lines. Energetik 8 no.7:24 Jl '60.
(MIRA 13:8)

(Electric lines--Poles)

BELYAKOV, N.N., kand.tekhn.nauk; SHERENTSIS, A.N., insh.

We should revise the "Instructions on protection from overloads" in conjunction with changes in the design conditions and use of electric systems. Elek.sta. 31 no.5:44-50 My '60. (MIRA 13:8)
(Electric engineering--Contracts and specifications)
(Electric protection)

BELYAKOV, N.N., inzh.

Choice of meltable PSN-35 fuse inserts for the protection of transformers. Elek.sta. 31 no.7:55-56 Jl '60. (MIRA 13:8)
(Electric fuses) (Electric transformers)

BELYAKOV, N.N., kand.tekhn.nauk; SHERENTSIS, A.N., insh.

Present-day system for protecting electric power transmission lines from lightning surges. Elektrichestvo no. 11:33-41 N '60. (MIRA 13:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut energetiki (for Belyakov). 2. Teploelektroproyekt (for Sherentsis).
(Electric lines--Overhead)
(Lightning protection)

BELYAKOV, N.N., BURGSDORF, V.V., LYSAKOVSKIY, G.I., POPOVOY, I.F., SHUR, S.S., ARTEMYEV, D.YE.

"Internal overvoltage levels in the 110-220,000 V systems."

Report to be submitted for the 19th Biennial Session, Intl. Conference on Large Electric Systems (CIGRE), Paris, France, 16-26 May '62.

ARTEMYEV, Scientific Research Inst. of Direct Current, Leningrad
BELYAKOV, All-Union Scientific Research Inst. Electric Power
BURGSDORF, Central Scientific Research Elect. Engineering Lab., Min. Elect. PowersStations, USSR
LYSAKOVSKIY, Donbass Regional Elect. Power Admin.
POPOVOY, none given
Shur, Scientific Research Inst. of Direct Current, Leningrad

BELYAKOV, N.N.; RASHKES, V.S., inzh.

Evaluation of the effect of meteorological conditions on the electric strength of external insulation. Elektrichestvo, no.6:20-26 Je '61. (MIRA 14:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektroenergetiki.
(Electric insulators and insulation)

BELYAKOV, N.N., inzh.

Setting of poles in saturated grounds without drainage. Energetik 9 no.3:19-20 Mr '61. (MIRA 14:7)
(Electric lines—Poles)

BELYAKOV, N.N., inzh.

Arranging the crossing of 35 and 110 kv. electric power transmission lines. Energetik 9 no.3:20 Mr '61. (MIRA 14:7)
(Electric power distribution)

BELYAKOV, N.N.

Simplified foundations for 110/35/10 (6) kv. electric transformers. Prom. energ. 16 no.4:28 Ap '61. (MIRA 14:9)
(Electric transformers)

BELYAKOV, N.N., inzh.

A-shaped 10/0.4 kv. transformer tower station. Energetik 10 no.4:30-31 Ap '62. (MIRA 15:4)
(Electric transformers) (Electric power distribution)

BELYAKOV, N.N., kand.tekhn.nauk; RASHKES, V.S., inzh.

Concerning the characteristics of new insulators for outdoor use.
Elek.sta. 33 no.1:58-60 Ja '62. (MIRA 15:3)
(Electric insulators and insulation)

ARTEM'YEV, D.Ye., inzh.; BELYAKOV, N.N., kand.tekhn.nauk; BURGSDORF, V.V., doktor tekhn.nauk; SHUR, S.S., kand.tekhn.nauk

Internal overvoltage levels in 110 and 220 kv. electric power distribution networks. Elek.sta. 33 no.11:43-48 N '62. (MIRA 15:12)

(Electric power distribution)

BELYAKOV, N.N., inzh.

Installation of TFN-35 transformers on B-1 type blocks of 35 kv. outdoor power distribution systems. Energetik 11 no.4:25 Ap '63. (MIRA 16:3)
(Electric substations)

BELYAKOV, N.N., inzh. (Gor'kiy)

It is essential to assure adequate safety for users of electric household appliances. Prom. energ. 18 no.6:58-59 Je '63. (MIRA 16:7)

(Household appliances, Electric—Safety regulations)

BELYAKOV, N.N., inzh.

Branching of two cable lines from one pole of a 6 - 10 kv. overhead power transmission line. Energetik 12 no.6:17-18 Je '64. (MIRA 17:9)

BELYAKOV, N.N., inzh.

Quality of electric power. Energetik 12 no.5:9-11 My '64.
(MIRA 17:6)

BELYAKOV, N.N. (Gor'kiy)

Protection of cables using silica brick. Prom. energ. 20 no.3:45-46 Mr '65. (MIRA 18:6)

BELYAKOV, N. N.

Cand Agr Sci - (diss) "Effectiveness of summer feeding of milk cows in the utilization of planted perennial pastures and green conveyor under conditions of the Kalininskaya Oblast." Moscow, 1961. 20 pp; (All-Union Order of Lenin Academy of Agr Sci imeni V. I. Lenin, All-Union Scientific Research Inst of Animal Husbandry); 200 copies; price not given; (KL, 7-61 sup, 250)

BELYAKOV, N.S.

New URD-58 rail detector apparatus. Put' i put. khoz. no.8:7-8 Ag '59. (MIRA 13:3)

1. Glavnyy mekhanik i energetik tresta "Transsignalsvyaz'zavody". (Railroads--Equipment and supplies) (Ultrasonic testing)

BELYAKOV, N.S.

Unified standards are necessary for technological processes. Avtom., telem.i sviaz' 4 no.2:38 F '60. (MIRA 13:6)

1. Glavnyy mekhanik i energetik tresta "Transsignalsvyaz'zavody." (Railroads--Signaling)

MIRZABEKYAN, R.O., kand.biologicheskikh nauk; SINITSYNA, N.V.; BELYAKOV, O.G.

Developing biological methods for controlling potato wart. Agrobiologiia no.4:566-572 Jl-Ag '61. (MIRA 14:7)

1. Institut genetiki AN SSSR, TSentral'naya laboratoriya po karantinu sel'skokhozyaystvennykh rasteniy, Ministerstva sel'skogo khozyaystva SSSR.
(Potato wart)

ZINOV'YEV, I., vtoroy pilot; PETUKHOV, A., vtoroy pilot; PORTYKO, G., vtoroy pilot; BELYAKOV, P., vtoroy pilot; SENCHA, G., vtoroy pilot; SMIRNOV, L., vtoroy pilot; SERGEYEV, A., vtoroy pilot; KUZNETSOV, L., vtoroy pilot

When sealing becomes a problem.... Grazhd.av. 17 no.6: 20-21 Je '60. (MIRA 13:7)

1. Dal'nevostochnoye upravleniye Grazhdanskogo vozdushnogo flota (for all except Sergeyev, Kuznetsov). 2. Severnoye upravleniye Grazhdanskogo vozdushnogo flota(for Sergeyev, Kuznetsov). (Aeronautics, Commercial--Freight)

BELYAKOV, P.

Simplified manufacturing of radiators and conditioners. Muk.-elev. prom. 26 no.9:24 S '60. (MIRA 13:9)

1. Tekhnolog mekhanicheskikh Tambovskogo upravleniya khleboproduktov.
(Radiators)

BELYAKOV, P.D.

BELYAKOV, P.D.

Appratus for measuring pelvis inclination in the frontal plane. Ortop.travm. i protez. no.2:64-65 Mr-Ap '55 (MLRA 8:10)

1. Iz medotdela (glavnyy vrach P.D.Belyakov) Moskovskogo oblastnogo protezno-ortopedicheskogo zavoda.
(PERVIMETRY, appratus and instruments
inclination meter, frontal)

"Clips and Instruments for Using Them," by L.I. Kukushkin and P.D. Belyakov, Scientific Research Institute of Experimental Surgical Apparatus and Instruments of the Ministry of Health USSR, Voprosy Neyrokhirurgii, No 3, May-June 1957, pp 55-56.

The ligation of the intracranial vessels in neurosurgical operations presents many well-known difficulties, because the operational field is too small and the material used for ligatures often causes postoperative complications.

Since 1911, the silver clips introduced by Harvey Cushing have been widely used. Recently, clips made from tantalum were also invented because they are less irritating to the tissues than those made of silver. However, medical practitioners were never satisfied with the existing clips and clip-holders.

The Scientific Research Institute of Experimental Surgical Apparatus and Instruments of the Ministry of Health USSR, together with the Institute of Neurosurgery of the Academy of Medical Sciences, have devised new kinds of clips, as well as instruments for using them.

The new clips are of two sizes: 4.5 and 7 mm. They are made of silver wire of rectangular cross section. A new set of clip containers was also introduced. These

1/2

BELYAKOV, P.D.

ANDROSOV, P.I., doktor meditsinskikh nauk; BABKIN, S.I., kandidat tekhnicheskikh nauk; BELYAKOV, P.D., kandidat meditsinskikh nauk; KLEMINA, Ye.P.; KRYUCHKOVA, G.S.

Apparatus for mechanical ligation of vessels. Nov.khir.arkh. no.1: 86-87 Ja-F '57. (MLRA 10:6)

1. Adres avtorov: Moskva, I-81, Fabrichnaya liniya, 6, Nauchno-issledovatel'skiy institut eksperimental'noy khirugicheskoy apparatury i instrumentov Ministerstva zdravookhraneniya SSSR.
(SURGICAL INSTRUMENTS AND APPARATUS)
(LIGATURE (SURGERY))

Belyakov, P. D., Malinin, V. M., and Rosenblit, Yu. A.

"A universal electrothermometer for clinical and laboratory investigations." Novye khirurgicheskie apparaty i instrumenty i opyt ikh primeneniya, No. 2, 1958, p. 55

BELYAKOV, P.D., kand.med.nauk

Prosthesis of treating flexion contracture of the knee joint following leg amputation. Ortop., travm. protez. 19 no.1:62-63 Ja-F '58. (MIRA 11:4)

1. Iz TSentral'nogo nauchno-issledovatel'skogo instituta protezirovaniya i protezostroyeniya Ministerstva sotsial'nogo obespecheniya RSFSR (dir. - prof. B.P.Popov)

(AMPUTATION
leg, prosthesis for elimination of flexion contracture of knee (Rus))
(ARTIFICIAL LIMB
leg appar. for elimination of flexion contracture of knee joint (Rus))
(KNEE, dis.
contracture after leg amputation, elimination with prosthesis (Rus))

BELYAKOV, P.D., kand. med. nauk; MASTEROV, M.D., inzh.

Artificial joints. Zdorov'e 4 no.7:13 Jl '58. (MIRA 11:6)
(JOINTS)

ILYAKOV, P.D., TRUSOV, M.M., NESTERENKO, A.G.

New instruments for pediatric surgery. Med.prom. 12 no.6:55-56 Je '58 (MIRA 11:7)

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgicheskoy apparatury i instrumentov.
(SURGICAL INSTRUMENTS AND APPARATUS)

TRUSOV, M.M., NESTERENKO, A.G., BELYAKOV, P.D.

Needle with a clamp for intravenous injections. Med.prom. 12 no.6:58-59 Je '58 (MIRA 11:7)

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgicheskoy apparatury i instrumentov.
(HYPODERMIC NEEDLES)

BELYAKOV, P.D., kand.med.nauk; MASTEROV, M.D., vedushchiy inzh.

Preoperative preparation of new surgical instruments and apparatus used in blood vessel surgery. Med.sestra 18 no.2:31-34 F '59. (MIRA 12:2)

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgicheskoy apparatury i instrumentov, Moskva.
(SURGICAL INSTRUMENTS AND APPARATUS)

BABKIN, S.I., kand.med.nauk; BELYAKOV, P.D., kand.med.nauk; TRUSOV, M.M.; NESTERENKO, A.G.

Apparatus for the atomization of therapeutic solutions in the treatmnet of burns. Khirurgiia 35 no.7:138-139 Jl '59. (MIRA 12:12)

1. Iz nauchno-issledovatel'skogo instituta eksperimental'noy khirurgicheskoy apparatury i instrumentariya Ministerstva zdravookhraneniya SSSR (dir. - M.G. Anan'yev).
(BURNS, therapy)

BELYAKOV, P.D., starshiy nauchnyy sotrudnik (Moskva, I-90, ul.2-ya Meshchanskaya, d.5,kv.29)

Change in the respiratory rhythm following intravenous administration of sodium thiopental combined with neuroplegic drugs. Nov. khir. arkh. no.4:64-67 Jl-Ag '60. (MIRA 15:2)

1. Khirurgicheskoye otdeleniye (zav. - prof. D.P.Fedorovich) Onkologicheskogo instituta imeni P.A.Gertsena (nauchnyy rukovoditel' chlen-korrespondent AMN SSSR prof. A.I.Savitskiy).
(RESPIROMETER) (RESPIRATION) (THIOPENTAL)

BELYAKOV, P.K., gornyy inzh.; LARCHENKO, M.B., gornyy inzh.; SHAPOVAL, N.A., gornyy inzh.; PETRENKO, Ye.V., kand.tekhn.nauk

Controlling roofs by complete caving with mechanized knocking-out of supports. Ugol' Ukr. 7 no.6:14-15 Je '63. (MIRA 16:8)

1. Artemovskiy ugol'nyy kombinat.

SHAPOVAL, N.A., gornyy inzh.; BELYAKOV, P.K., gornyy inzh.; SHVEDOV, T.M., gornyy inzh.; PASISHNICHENKO, G.K., gornyy inzh.

Selecting a method of roof control in seams subject to rock bumps. Ugol' 39 no.7:60-63 Jl '64. (MIRA 17:10)

1. Kombinat Artemugol'.

SHIROKOV, V.I., red.; VIL'CHINSKAYA, L.P., red.; NOVIKOVA, A.M., red.; KUFTYREVA, Z.I., red.; DONETS, Ye.P., red.; KASTRYKINA, M.A., red.; DOLMATOVA, A.S., red.; BENEVOLENSKIY, I.I., red.; BOL'SHAKOVA, N.L., red.; BELYAKOV, P.V., red.; BADINA, L.S., tekhn. red.

[The economy of Ivanovo Province; statistical abstract] Narodnoe khoziaistvo Ivanovskoi oblasti; statisticheskii sbornik. Ivanovo, Gosstatizdat, 1962. 227 p. (MIRA 16:6)

1. Ivanovo (Province)Statisticheskoye upravleniye. 2. Nachal'nik Statisticheskogo upravleniya Ivanovskoy oblasti (for Belyakov). 4. Statisticheskoye upravleniye Ivanovskoy oblasti (for all except Badina).

(Ivanovo Province--Statistics)

BELYAKOV, R. S. Cand Tech Sci -- (diss) "Effect of the method of smelting on the properties of stainless steel." Mos. 1957. 11 pp 22 cm. (Min of Higher Education USSR. Mos Order of Labor Red Banner Inst of Steel im I.V. Stalin), 100 copies. (KL, 13-57, 99)

BELYAKOV, B.S., inzh.; SAMARIN, A.M.

Effect of smelting processes on stainless steel properties. Biul. TSNIICHM no.21:8-14 '57. (MIRA 11:5)

1. Chlen-korrespondent AN SSSR (for Samarin).
(Steel, Stainless--Metallurgy)

SOV/137-59-1-356

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 44 (USSR)

AUTHOR: Belyakov, R. S.

TITLE: The Effect of the Method of Smelting on the Properties of Stainless Steel (Vliyaniye metoda vyplavki na svoystva nerzhaveyushchey stali)

PERIODICAL: V sb.: Primeneniye vakuuma v metallurgii. Moscow, AN SSSR, 1958, pp 35-48

ABSTRACT: Stainless steel 1Kh18N9T was smelted in a 4-kg induction furnace under a pressure of 2-7 mm Hg. The charge employed consisted either of the waste products of that same steel or of a charge material obtained during smelting in an open induction furnace. After a soaking period of 30-40 minutes the C content was reduced to 0.01-0.02%, whereas the losses of Cr for the same period of time constituted 0.70-3.70% of its initial content. Ti losses amounted to up to 97%. Concentrations of Si, P, and S remained unaltered, the Mg concentration decreased by 23-75% and [N] regardless of its initial value, amounted to 0.01% at the end of the smelting process. The O_2 content increased as the soaking time and the temperature of

Card 1/2

The Effect of the Method of Smelting on the Properties of Stainless Steel

the metal were increased. The metal became enriched with O_2 through interaction with the crucible lining.

B. L.

Card 2/2

BELYAKOV, R.S., kand. tekhn. nauk; SERGIYEVSKIY, V.P., dotsent; ZOTKIN, I.A., kand. tekhn. nauk; TIMOFEYEV, A.A., kand. tekhn. nauk; KHRAPOV, A.Ya., kand. tekhn. nauk; APON'KIN, V.A., inzh.; BEDAREV, V.I., inzh.; MATVEYENKO, I.S., inzh.

"Foundry alloys" by P.P. Zhevtunov. Reviewed by R.S. Beliakov and others. Izv. vys. ucheb. zav.; chern. met. 2 no.4:157-161 Ap '59. (MIRA 12:8)

1.Zaporozhskiy mashinostroitel'nyy institut (for Belyakov).
2.Sibirskiy metallurgicheskiy institut (for all except Belyakov).
(Foundry machinery and supplies) (Alloys)
(Zhevtunov, P.P.)

BELYAKOV, R.S.; SAMARIN, A.M.

Effect of the method of manufacture on the properties of stainless steel. Trudy Zapor. mashinostroi. inst. 4:33-44 '59. (MIRA 17:1)

L 36265-65 EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(b) Pad IJP(c) JD/EW/GS

ACCESSION NR: AT5003265 S/0000/64/000/000/0206/0211

26
18
B+1

AUTHOR: Belyakov, R. S. (Candidate of technical sciences)

TITLE: Smelting of alloys in induction vacuum furnaces for casting according to disposable patterns

SOURCE: Vsesoyuznaya konferentsiya liteyshchikov, 17th. Razvitiye liteynogo proizvodstva (Development of foundry production); trudy konferentsii. Moscow, Izd-vo Mashinostroyeniye, 1964, 206-211

TOPIC TAGS: nonferrous metallurgy, alloy smelting, nickel base alloy, magnesite, induction furnace, alloy casting, cast alloy strength

ABSTRACT: This article investigates the effect of the over-flow rate and the quality of charging materials and admixtures on the properties of a nickel-base alloy. The experimental smelts were produced in an industrial vacuum induction furnace. Five different types of alloys were investigated to determine the duration of the smelt. The pressure and overflow rate were used as variable parameters. The data obtained show that the assimilation coefficient of oxygen by the metal from the gas phase is inversely proportional to the overflow rate. After determining the effect of the quality of charging materials and admixtures on

Card 1/2

L 36265-65
ACCESSION NR: AT5003265

the properties of the alloy, the author concludes that negligible admixtures of lead, copper and tin produce a sharp reduction in stress-rupture strength. "Engineers N. Ya. Petishkin, G. V. Kulygin and B. A. Filonenko took part in the experimental work." Orig. art. has: 3 tables and 6 figures.

ASSOCIATION: None

SUBMITTED: 27Aug64 ENCL: 00 SUB CODE: IE, MM

NO REF SOV: 003 OTHER: 000

Card 2/2

BELYAKOV, R. V.

Belyakov, R. V. -- "Problems in the Theory and Calculation of Ferroresonance Voltage Stabilizers." Min Higher Education Ukrainian SSR. Kiev Order of Lenin Polytechnic Inst. Chair of Acoustics and Acoustic Engineering. Kiev, 1955. (Dissertation for the Degree of Candidate in Technical Science)

So: Knizhnaya Letopis', No 12, 1956

SOV/142-2-1-2/22

9(9)
AUTHOR: Belyakov, R.V.

TITLE: A Simplified Linearizing Method in the Theory of Non-Linear Oscillations (Ob uproshchennom metode linearizatsii v teorii nelineynykh kolebaniy)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - radiotekhnika, 1959, Vol 2, Nr 1, pp 18-23 (USSR)

ABSTRACT: The author investigates the non-linear differential equation

$$\ddot{x} + 2h\dot{x} + f(x) = F_m e^{j\omega t}$$

whereby f(x) is a non-linear function. He reviews a number of approximation methods, suggested by different authors for solving such equations. He explains the graphic interpretation of a simplified linearization method of a non-linear equation, used for the determination of amplitude and frequency characteristics of non-linear oscillatory systems with one degree of freedom. The simplified linearization method, in combination with its graphic

Card 1/2

A Simplified Linearizing Method in the Theory of Non-Linear Oscillations

interpretation, may be used for investigating such non-linear systems, in which the non-linear function does not yield an analytical expression. With this method, the graphic division $\frac{f(A)}{A}$ must be performed for determining the average parameter curve. With the other quasilinear approximation methods the graphic integration must be performed in the same case. There are 5 graphs and 15 references, 1 of which is German, 1 French and 13 Soviet.

ASSOCIATION: Kafedra akustiki i zvukotekhniki Kiyevskogo ordena Lenina politekhnicheskogo instituta (Chair of Acoustics and Sound Engineering of the Kiyev Lenin Order Polytechnical Institute)

SUBMITTED: April 10, 1958 (initially)
June 6, 1958 (after revision)

86364

S/046/60/006/004/014/022
B019/B056

6.8000 (3201, 1099, 1162)

AUTHOR: Belyakov, R. V.

TITLE: The Calculation of the Coefficient of the Axial Concentration of Some Discrete Receiving-radiating Groups

PERIODICAL: Akusticheskiy zhurnal, 1960, Vol. 6, No. 4, pp. 499 - 501

TEXT: In the introduction it is stated that the coefficient of the axial concentration of a discrete receiving-radiating group consisting of point sources may be expressed by the same volume velocity amplitudes and arbitrary phases by

$$\gamma = \frac{K^2}{r_\Sigma / r_0} .$$

Here, r_0 is the radiative resistance of one isolated point source, r_Σ is the total radiative resistance of the group and $K = p_\Sigma / p_0$ is the amplification coefficient of the group, where p_Σ is the total pressure of the group upon a certain axis in a sufficient distance from the source, and p_0 is the

Card 1/3

analogon for a single source. The calculation of γ for two kinds of groups is carried out. The first consists of eight cophased point sources, which are in the corners of a cube. For the latter the following is obtained:

$$\gamma = \frac{8\left(\cos\frac{kd}{2}\right)^2}{1 + 3\frac{\sin kd}{kd} + 3\frac{\sin\sqrt{2}kd}{\sqrt{2}kd} + \frac{\sin\sqrt{3}kd}{\sqrt{3}kd}} \qquad (6) \quad .$$

The second group differs from the first only by the fact that four of the sources, which are on one face of the cube, are antiphased. Here the author obtained:

$$\gamma = \frac{8\left(\sin\frac{kd}{2}\right)^2}{1 + \frac{\sin kd}{kd} - \frac{\sin\sqrt{2}kd}{\sqrt{2}kd} - \frac{\sin\sqrt{3}kd}{\sqrt{3}kd}} \qquad (7) \quad .$$

In these formulas d denotes the length of the edge of the cube, and k the wave number. The author thanks M. I. Karnovskiy for an indication he gave for solving the problem. There are 1 figure and 2 Soviet references.

86364

The Calculation of the Coefficient of the Axial Concentration of Some Discrete Receiving-radiating Groups

S/046/60/006/004/014/022
B019/B056

ASSOCIATION: Kiyevskiy institut grazhdanskogo vozdushnogo flota (Kiyev Institute of the Civil Air Fleet)

SUBMITTED: March 8, 1960

Card 3/3

BELYAKOV, R.V. [Bieliakov, R.V.]

"Aritificial muscle." Fiziol. zhur. [Ukr.] 8 no.2:272-274 Mr-Ap '62. (MIRA 15:5)

(POLYMERS)

BELYAKOV, R.V.

A generator for mechanochemical oscillations on the basis of muscle pH. Biofizika 8 no.6:741-743 '63. (MIRA 17:7)

1. Kiyevskiy institut Grazhdanskogo vozdushnogo flota.

BELYAKOV, R.V. [Bieliakov, R.V.]

Auto-fluctuation of artificial pH of the muscle and production of rhythmic mobility. Ukr. biokhim. zhur. 36 no.2:283-293 '64. (MIRA 17:11)

1. Kiyev Institute of Civil Aviation.

L 28381-66 ARG/EWP(c)/EWT(d)/EWT(m)/EWP(h)/FBD/FBO/ETC(m)-6/T WW/JW/JWD

ACC NR: AP5023384 (A) SOURCE CODE: UR/0317/65/000/005/0022/0028

AUTHOR: Belyakov, S. (Engineer, Colonel, Candidate of technical sciences)

52
B

ORG: None

TITLE: Operational-tactical missiles

SOURCE: Tekhnika i vooruzheniye, no. 5, 1965, 22-28

TOPIC TAGS: antiaircraft weapon, ground rocket launcher, surface to air missile

ABSTRACT: A general description of surface-to-air missiles used in the range of tens to hundreds of kilometers is presented. It was mentioned in the article that the data on missiles were taken from foreign publications. A photo (by A. Sergeyev) shows a missile carried by a caterpillar tractor. A schematic cross-section of the missile is shown in a figure. The operation of the mechanism for setting missiles in a vertical launching position is demonstrated by a series of small sketches. The third drawing shows the missile unit in route column and in a launching position. The composition of the missile complex was described in a general form. The advantages and disadvantages of solid and liquid fuel were briefly enumerated.

SUB CODE: 15 / SUBM DATE: None / ORIG REF: 000 / OTH REF: 000

Card 1/1 CC

BELYAKOV, S.A.

Some index figures of the development of peat deposits in the Leningrad Province. Torf. prom. 30 no.5:24 My '53. (MLRA 6:5)

1. Leningradskoye upravleniye torfyanogo fonda.
(Leningrad Province--Peat bogs)

BELYAKOV, S.A.

Standards and All-Union State Standards are necessary for peat litter. Torf.prom. 36 no.3:34-35 '59. (MIRA 12:7)

1. Leningradskoye mezhoblastnoye upravleniye torfyanogo fonda.
(Litter(Bedding)--Standards)

LYSENKO, F.I., polkovnik; ADENIN, A.S., polkovnik; BONDARENKO, V.Ye., polkovnik; ROGACHEV, F.B., polkovnik; RYB'YAKOV, M.M., podpolkovnik; BELYAKOV, S.A., polkovnik; ISAKOV, P.F., polkovnik; BURLYAY, A.A., polkovnik; SAVCHENKO, A.M., polkovnik; IVANOV, N.I., polkovnik; AVDEYENKOV, I.P., polkovnik; ZUBAREV, Ya.G., polkovnik; DIBROVA, I.Z., kapitan 1 ranga; TSVETKOV, R.V., general-mayor, red.; BRITVIN, N.I., polkovnik, red.; SHARPILO, P.N., podpolkovnik, red.; MYASNIKOVA, T.F., tekhn.red.

[Party political work in the Soviet Army and the Navy] Partiino-politicheskaia rabota v Sovetskoi Armii i Voenno-Morskom Flote. Moskva, Voenizd-vo M-va obor.SSSR, 1960. 284 p.
(MIRA 13:6)

1. Voyenno-politicheskaya akademiya imeni V.I.Lenina (for all, except TSvetkov, Britvin, Sharpilo, Myasnikova).
(Russia--Armed forces--Education, Non-military)

GORTSAKALYAN, L.O., inzh.; IVANOV, D.P., inzh.; BELYAKOV, S.A.

Exchange of experience of the enterprises of economic councils. Torf. prom. 37 no.5:35-37 '60. (MIRA 14:10)

1. Kalininskiy torfyanoy institut (for Gortsakalyan). 2. Torfopredpriyatiye "Naziya" (for Ivanov). 3. Leningradskoye upravleniye Glavtorffonda (for Belyakov).
(Peat machinery)

BELYAKOV, S.G., inzh.; PISKUN, L.F., inzh.

Mechanical resistance of pump cups. Zashch.rast.ot vred.i bol. 7 no.5:23-24 My '62. (MIRA 15:11)

1. Spetsial'noye konstruktorskoye byuro Leningradskogo soveta narodnogo khozyaystva.
(Spraying and dusting equipment)

BELYAKOV, S.P.

Nikol'skiy, Ya. D. and Belyakov, S.P. (Uzbek Scientific Research Veterinary Experimental Station) Treatment of animals ill with 'suilik'.

So: Veterinariya; 23; (12); December 1946

USSR / Farm Animals.

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 45182 Q-2

Author : Belyakov, S. P.
Inst : Not given
Title : The Basic Causes of the Sterility of Cattle and the Means for Its Prevention.

Orig Pub : Sets. s. kh. Uzbekistana, 1957, No. 5, 56-60

Abstract : No abstract.

Card 1/1

BELYAKOV, S.P., nauchnyy sotrudnik

Preserving bull and ram semen at high air temperatures. Veterinariia 36 no.1:78-81 Ja '59. (MIRA 12:1)

1. Uzbekskiy nauchno-issledovatel'skiy veterinarnyy institut.
(Semen)

BELYAKOV, S. P.

Cand Vet Sci - (diss) "Causes for the infertility of horned cattle in farms of the irrigated and non-irrigated zone of Uzbekistan and measures for combating the condition." Moscow, 1961. 19 pp; (All-Union Inst of Experimental Veterinary, All-Union Order of Lenin Academy of Agricultural Sciences imeni V. I. Lenin); 200 copies; price not given; list of author's works at end of text (13 entries); (KL, 7-61 sup, 254)

AKHMEDBABAYEV, M.Kh.; ARIFDZHANOV, K.A.; BELOUSOV, N.A.; BELYAKOV, S.P.; ZOTOV, V.G.; ISAYEVA, Z.D.; MAKHMUDOV, I.A.; ISHCHENKO, F.S.; KRASIL'NIKOV, Ya.A.; NIKOL'SKIY, I.P.; NETSETSKIY, A.M.; PERGAT, F.F.; PAVLOVSKAYA, M.D.; SAMSONOV, L.S.; POLIZHAYEV, A.I.; SMIRNOV, F.Ye.; SABININ, M.N.; SHUTYAYEV, N.A.; CHIZHIK, V.I.; KARPENKO, P.M.; IMEROV, A.I.

Mikhail Aleksandrovich Nenetskii; obituary. Veterinariia 37 no.10:94 O '60. (MIRA 15:4)
(Nenetskii, Mikhail Aleksandrovich, 1899-1960)

BELYAKOV, S.P.

Materials on cattle trichomoniasis in Uzbekistan. Trudy Uz. nauch.-issl.inst.vet. 14:207-216 '61. (MIRA 16:2)
(Uzbekistan--Trichomoniasis)
(Uzbekistan--Cattle--Diseases and pests)

BELYAKOV, S.P.

Barrenness of cattle in irrigated and unirrigated zones of Uzbekistan and its prophylaxis. Trudy Uz.nauch.-issl.inst.vet. 14:217-229 '61. (MIRA 16:2)
(Uzbekistan--Sterility in animals)
(Uzbekistan--Cattle--Feeding and feeds)

BELYAKOV, S.P.

[Ways for eliminating sterility in cattle] Koramollarning kisir kolishini tugatish choralari. Toshkent, Uzbekiston SSE Davlat Nashrieti, 1963. 76 p. [In Uzbek]
(MIRA 18:1)

L 22681-66

ACC NR: AP5023735 (A) SOURCE CODE: UR/0346/65/000/008/0082/0084

AUTHOR: Belyakov, S. P. (Cnadidate of veterinary sciences); Gaibov, A. G. (Scientific Coworker) 23 B

ORG: Uzbek Scientific Research Veterinary Institute (Uzbekskiy nauchno-issledovatel'skiy veterinarnyy institut)

TITLE: Hormone and neurotropic preparations for infertility of cows

SOURCE: Veterinariya, no. 8, 1965, 82-84

TOPIC TAGS: animal disease therapeutics, nervous system drug, drug effect, animal husbandry, hormone

ABSTRACT: Hormone preparation SZHK combined with neurotropic preparations proserine or furamon has been successfully used in Uzbekistan kolkhozes to treat infertile cows. Since 1963 48,600 cows infertile for 3 to 14 mos with diagnoses of hypofunction of the ovaries, hypotonia of the uterus, ovary cysts and others have been treated with these preparation and 43,988 of the animals have subsequently calved. In addition to the hormone and neurotropic preparation treatments, other important factors contributing to the fertility of cows include good nutrition, proper care and sanitary conditions, regular exercise, and

Card 1/2 UDC: 619:615.361:615.78:636.082.454

L 22681-66

ACC NR: AP5023735

supervised insemination or mating of cows. According to the All-Union Research Institute of Experimental Veterinary Science, SZHK doses when used in combination with neurotropic preparations can be reduced to 1000 or 2000 units, and in treating ovary cysts SZHK should be used carefully. Orig. art. has: None

SUB CODE: 06/ SUBM DATE: none

Card 2/2 BLG

MEDOVAYA, A.S.; BELYAKOV, S.P.

Cleaning of the discharge connecting pipes of hydrolysis apparatus. Gidroliz. i lesokhim.prom. 15 no.2:28 '62. (MIRA 18:3)

1. Leningradskiy gidroliznyy zavod.

OLESHKEVICH, I.A.; DELYAKOV, S.Ye.

Introducing a unit for soldering joints and outputs of stator winding. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 18 no.10:36-37 O '65. (MIRA 18:12)

BELYAKOV, V.; ZASLAVSKIY, B., red.; KLIMOVA, T., tekhn. red.

[Standard-bearers] Znamenostsy. Moskva, 1961. 418 p.
(MIRA 15:2)

(Labor and laboring classes)
(Agricultural workers)

BELYAKOV, V.

SUBJECT: USSR/Education of Children 27-4-14/19

AUTHOR: Belyakov, V., pensioner

TITLE: More Attention to Education (Bol'she vnimaniya vospitaniyu)

PERIODICAL: Professional'no - Tekhnicheskoye Obrazovaniye, April 1957, # 4 (143), p 31 (USSR)

ABSTRACT: The author, himself a former teacher, calls the attention of the workers of the Labor Reserve system to the false education of apprentices both at home and in the schools which in the latter case is due to the fact that the educators in many cases are not conversant with the anatomic-physiological peculiarities and the psychology of the teen-agers. He pleads for a better pedagogical qualification of teachers by organizing courses and discussions.

Card 1/1

ASSOCIATION:

PRESENTED BY:

SUBMITTED:

AVAILABLE: At the Library of Congress

DANGAROV, G.P.; KONYUKHOV, G.A.; KNYAZEVA, L.G.; SMIRNOV, A.D.; BELYAKOV, V., red.; DANILINA, A., tekhn. red.

[The 22d Congress of the CPSU and the objectives of the departments of social sciences; materials of the All-Union Conference of the Chairmen of Social Science Departments in the Institutions of Higher Education] XXII s"ezd KPSS i zadachi kafedr obshchestvennykh nauk; materialy Vsesoyuznogo soveshchaniia zaveduiushchikh kafedrami obshchestvennykh nauk vysshikh uchebnykh zavedenii. Moskva, Gospolitizdat, 1962. 525 p. (MIRA 16:4)

1. Vsesoyuznoye soveshchaniye zaveduyushchikh kafedrami obshchestvennykh nauk vysshikh uchebnykh zavedeniy, Moscow, 1962.
(Social sciences--Study and teaching)
(Social science research)