BEL'FOR, A.G., inzh.; ZILIST, L.A., inzh.; SOKOLOV, K.S., inzh.

Plans for the automation of standardized concrete and mortar units. Mekh. stroi. 19 no.5:8-9 My '62. (MIRA 15:5)
(Mixing machinery) (Automatic control)

BEL'FOR, M.A.

Calculating the movable system of the sensitive element of the feeling device of a transducer. Izv.vys.ucheb.zav.; prib. 5 no.6:118-122 '62. (MIRA 15:12)

1. Leningradskiy institut tochnoy mekhaniki i optiki. Rekomendovana kafedroy tekhnologii priborostroyeniya.
(Transducers)

BEL'FOR, M. G.

GUTMAN, L.M.; BEL'FOR, M.G.

Automatic welding of casing pipes under flux. Avtom.svar. 7 no.1: 3-14 Ja-F '54. (MLRA 7:7)

1. Institut elektrosvarki im. Ye.O.Patona Akademii nauk USSR. (Electric welding) (Pipe, Steel)

BEL'FOR, M.G., inzhener.

Annotations on Soviet welding literature. Avtom.svar. 7 no.1:82-84 Ja-F '54. (MLRA 7:7)
(Welding)

BEL'FOR, M.G., inzhener.

Annotations on Soviet welding literature. Avtom.svar. 7 no.3:88-90 My-Je '54. (MLRA 7:7)
(Bibliography--Welding) (Welding--Bibliography)

BEL'FOR, M. G.

AID P - 865

Subject : USSR/Engineering

Card 1/1 Pub. 11 - 11/13

Author : Bel'for, M. G.

Title : Annotations on Soviet welding literature

Periodical : Avtom. svar., #4, 86-89, Jl-Ag 1954

Abstract : Thirteen Soviet books and 55 articles on the subject of welding are reviewed with short annotations.

Institution : None

Submitted : No date

BEL'FOR, M.G., inzhener

Annotations on Soviet publications on welding. Avtom.svar. 8 no.2:94-95 Mr-Ap '55. (MLRA 8:7)
(Bibliography--Welding)

NOVIKOV, I.V., insh.; HEL'FOR, M.G., insh.

Electric slag welding at the Brussels Fair in 1958. Svar. proiz. no.2:45 F '59. (MIRA 12:1)
(Brussel Fair) (Electric welding--Exhibitions)

SEVBO, P.I.; BEL'FOR, M.G.

The A-535 universal equipment for electric-slag welding. Biul. tekh. ekon. inform. no.9:23-25 '59. (MIRA 13:3)
(Electric welding)

18(2,3,5)

SOV/125-59-9-9-/16

AUTHOR: Gupalo, Yu. D., Candidate of Technical Sciences, Rabinovich, V.I., Bel'for, M.G., Rozenberg, O.O., and Khrundzhe, V.M., Engineers

TITLE: Electric Welding under Slag of Circumferential Welds of Thickwalled Tanks

PERIODICAL: Avtomaticheskaya svarka, 1959, Nr 9, pp 64-73 (USSR)

ABSTRACT: The Barnaul'skiy Boiler-Works in co-operation with the Institute of Electric Welding imeni Ye.O. Paton has, in 1953-1958, worked out and introduced the method of electric welding of longitudinal and circumferential welds for boilers and hydraulic press drums, made of steel 22 k and having a wall thickness of 4 to 20 cm. In Fig 1, a cylindrical tank of 1000-2000 liters capacity with walls 10-15 cm thick, working under pressure of 320 atm. is given. Before the new process was introduced, such tanks were made of forged sheets, or they were all-forged; as a result of this method of manufac-

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Electric Welding under Slag of Circumferential Welds of Thickwalled Tanks

turing, the total losses of metal wasted in machining and forging amounted to 73%, while the process of machining and finishing took 2 to 3 weeks. The new method enables manufacturing of cylindrical tanks out of two parts prepared by hot stamping under pressure of 8000 tons. Welding of circumferential joints is performed by two electrodes at the electrode feed speed of 100 m/hour. At the beginning of the process, the tension of the arcs applied is 40 to 42 volts; later on, when the process becomes stabilized, the tension is raised up to 45 volts, and the electrode feed speed up to 250 m/hour. The slag puddle is 45-55 mm deep. In Table 1, figures showing the conditions of welding are given. In compliance with the regulations of the Gosgortekhnadzor and of the technical conditions of BKZ, the quality of welds undergoes a control which is performed by means of ultra-sonic defectoscopes that permit disclosing of such faults which could not be detected

Electric Welding under Slag of Circumferential Welds of Thickwalled Tanks

by using other methods of checking, and which shorten the process of γ -rays examination. The examination is, as a rule, performed on 25% of circumferential welds 15 cm thick is 90 minutes. Table 2 gives the average figures on testing of welds having δ = 155 mm. Welding was performed by S_v -10G2 electrode wire with application of powder flux AN-8M. There are 2 tables, 6 diagrams, 1 photograph and 7 Soviet references.

ASSOCIATION: 1) Barnaul'skiy kotel'nyy zavod (Barnaul Boiler Works); (Rabinovich) 2) Ordena trudovogo krasnogo znameni institut elektrosvarki imeni Ye.O.Patona AN USSR (Order of the Red Banner of Labor Institute of Electric Welding imeni Ye.O.Paton, AS UkrSSR), (Bel'for, Gupalo, Rozenberg, Khrundzhe)

SUBMITTED: August 21,1958

SEVBO, P.I.; PATON, V.Ye.; BEL'FOR, M.G.

Selecting the type and design of electric slag welding equipment. Avtom.svar. 12 no.1:8-17 Ja '59. (MIRA 12:4)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O.Patona AN USSR.
(Electric welding--Equipment and supplies)

LITVINCHUK, M.D.; BEL'FOR, M.O.; TIMCHENKO, V.A.; DUBOVETSKIY, V.Ya.

Equipment for making under flux longitudinal weld joints for mine supports. Avtom. svar. 13 no.9:71-75 S '60. (MIRA 13:10)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O.Patona AN USSR.
(Electric welding--Equipment and supplies)

BEL'FOR, Maylikh Odal-Gershovich; LEBEDEV, Vladimir Konstantinovich; MANDEL'BERG, S.A., nauchnyy red.; BONDAROVSKAYA, G.V., red.; TOKER, A.M., tekhn. red.

[Equipment for electric arc and electric slag welding and hard facing] Oborudovanie dlia elektrodugovoi i elektroshlakovoi svarki i naplavki. Moskva, Vses. uchebno-pedagog. izd-vo Proftekhizdat, 1961. 197 p. (MIRA 15:4)
(Electric welding--Equipment and supplies)

24247
S/193/61/000/007/004/005
A004/A104

1,2300

AUTHOR: Bel'for, M. G.

TITLE: The A-612 apparatus for the electroslag welding of metals

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 7, 1961, 32-34

TEXT: In 1960 the Institut electrosvarki im. akad. Ye. O. Patona AN UkrSSR (Electric Welding Institute im. Academician Ye. O. Paton AS UkrSSR) has developed the A-612 apparatus for the electroslag welding of metals 20 - 100 mm thick. A pilot series of these apparatus has been produced. Welding takes place with the edges being welded in a vertical position and bilateral holding of the welding bath. The installation is of the railless type and during the welding process moves directly on the part being welded, while two carriages 1 and 2, located on the sides of the joint being welded, are bearing on one of the edges being welded (see illustration). Welding head 3 is fastened to carriage 1 running on rollers. The electrode wire is supplied to the welding zone by welding head 3 via nozzle 4 feeding the welding current to the wire. Water-cooled copper slides 5 of the hinged type are fixed to the rear and front carriages to hold the welding bath and form the seam even at a considerable elevation of the edges being welded

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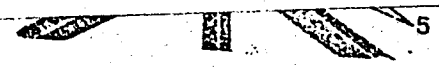

CHVERTKO, A.I.; BEL'FOR, M.G.; PATON, V.Ye.

Classification of apparatuses for electric arc and electric slag welding and hard facing. Avtom. svar. 16 no.2:52-57 F '63. (MIRA 16:4)

1. Institut elektrosvarki imeni Ye.O.Patona AN UkrSSR.
(Electric welding—Equipment and supplies)

PATON, V.Ye.; YEGOROV, S.V.; BEL'FOR, M.G.

Type TS-34 welding tractor for the welding of girth joints. Avtom. svar. 17 no.7:58-60 Jl '64. (MIRA 17:8)

1. Institut elektrosvarki im. Ye.O. Patona AN UkrSSR.

BEL'FOR, O., inzh.; RAKU, T., inzh.

Automation of the loading of hoppers of concrete mixing units.
Bud.mat.i konstr. no.5:17-22 S-O '62. (MIRA 15:11)
(Automatic control) (Concrete mixers)

NESTERENKO, Petr Grigor'yevich, nauchn. sotr.; ALEKSEYEV, Aleksey Mikhaylovich, nauchn. sotr.[deceased]; AGULOV, Aleksey Pavlovich, nauchn. sotr.; BARYSH, Mariya Yakovlevna, nauchn. sotr.; BEL'GARD, Aleksandr Aleksandrovich, nauchn. sotr.; DOMORATSKIY, Nikolay Aleksandrovich, nauchn. sotr.; LESKEVICH, Ivan Yevseyevich, nauchn. sotr.; SHIROKOV, Aleksandr Zosimovich, nauchn. sotr.; YAGOVDIK, Vladimir Vikent'yevich, nauchn. sotr.; KOROLEVA, T.I., red.izd-va; BOLDYREVA, Z.A., tekhn. red.

[Regularities of coal accumulation in the Dnieper lignite basin] Zakonomernosti uglenakopleniia na territorii Dnepropetrovskogo burougol'nogo basseina. Moskva, Gosgortekhizdat, 1963. 210 p. (MIRA 16:10)
1. Dnepropetrovsk. Dnepropetrovskiy gornyy institut.
(Dnieper basin--Coal geology)

BEL'GARD, A. L.

Bel'gard, A. L. "The aspen peg in the valley of the Samar of Dneprovsk River," Nauch. zapiski (Dnepropetr. gos. un-t), Vol. XXXII, 1948, p. 23-26 - Bibliog: 9 items

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

BEL'GARD, A.L.

Forest vegetation of the Southeastern Regions of the USSR. Kiev, izd-vo Kievsk go universiteta, 1950

BEL'KARD, O.I.

Work of botanists of the Dnepropetrovsk State University. Bot.zhur.[Ukr.] 8 no.3:90-93 '51. (MLRA 6:9)
(Dnepropetrovsk University--Botany) (Botany--Dnepropetrovsk University)

BEL'GARD, A.L.

I. IA. Akinfiiev. Bot. zhur. [Ukr.] 9 no.1:89-93 '52. (MLRA 6:11)
(Akinifiiev, Ivan IAkovych, 1851-1919)

BEL'GARD, A.L.

Complex investigation of afforestation in the steppe zone of the Ukrainian S.S.R. Bot.zhur. [Ukr.] 10 no.4:43-50 '53. (MLRA 6:12)

1. Dnipropetrovs'kiy derzhavniy universitet.
(Ukraine--Afforestation) (Afforestation--Ukraine)

USSR/General Division. History. Classics. Personalities. A-2

Abs Jour : Ref Zhur-Biologiya, No 3, 1958, 9264

Author : A. L. Bel'gard
Inst : Scientific Western Dnepropetrovsk University
Title : In Memory of Georgiy Nikolayevich Vysotskiy (on the 90th Anniversary of His Birth and the 15th Anniversary of His Death)

Orig Pub : Nauchn. zap. Dnepropetr. un-t, 1955,54, 119-126

Abstract : Botanist, Forestry Expert, Geographer, See RZhBiol, 1955, 54, 119-126

Card 1/1

COUNTRY :
CATEGORY : K

ABS. JOUR. : RZhBiol., No. 23 1958, No. 104506

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : An especially valuable large native forest on the sandy terrace of the Samara River is the Samarskiy pine forest. On the lower parts of the terrace, where particles of clay are heavily admixed with the sand, damp pine-birch woods admixed withoak are characteristic. On the sandy terrace of the Pokrovskiy rayon there are small stands made up of birch, quaking aspen and oak. On the right-bank section are steep gulley forests consisting of three groups. Artificial steppe forest plantations are described.--L. V. Nesmelov

Card: 2/2

BEL'GARD, A.L.

BEL'GARD, A.L.

Scientific session of the I.I.Mechnikov State University in Odessa, devoted to the centennial of G.I.Tanfil'ev's birth. Bot.zhur. 42 no.9:1457-1461 S '57. (MLRA 10:9)

1. Dnepropetrovskiy gosudarstvennyy universitet imeni 300-letiya vossoyedineniya Ukrainy s Rossiyey.
(Tanfil'ev, Gavriil Ivanovich, 1857-1928) (Odessa University)

EL'GARD, A.L.

Geographical and ecological conformity of forests to the conditions of their habitats. Nauch. dokl. vys. shkoly; biol. nauki no.2:108-111 '58. (MIRA 11:10)

1. Predstavlena kafedroy geobotaniki Dnepropetrovskogo gosudarstvennogo universiteta im. 300 - letiya vossoyedineniya Ukrainy s Rossiyey.
(Forest ecology)

BEL'GARD, A.L.

Some problems of steppe forestry [with summary in English]. Bot. zhur. 43 no.2:214-228 F '58. (MIRA 11:5)

1. Dnepropetrovskiy gosudarstvennyy universitet imeni 300-letiya vossoyedineniya Ukrainy s Rossiyey.
(Forests and forestry)

BEL'GARD, A.L.

"Biological role of plant excretions and interspecific relationships in mixed crops" by S.I. Chernobrivenko. Reviewed by A.L. Bel'gard. Usp.sovr.biol. 45 no.3:384-387 My-Je '58 (MIRA 11:8)
(ALLELOPATHY)
(CHERNOBRIVENKO, S.I.)

BEL'GARD, A.L.

USSR/Forestry - Forest Biology and Typology. K-1

Abs Jour : Ref Zhur - Biol., No 20, 1958, 91500

Author : Bel'gard, A.L.
Inst :
Title : Some Problems in Steppe Forest Cultivation.

Orig Pub : Botan. Zh., 1958, 43, No 2, 214-228

Abstract : The typological scheme of the natural forests of the Ukrainian steppe zone based on P. S. Pogrebnyak's edaphic scale and the types of ecologic wood structures are characterized. Three basic classes of woods are chosen: Wood which are unflooded, those in undated for a short time and those submerged for a protracted period. Moreover, it is determined if the forest type belongs to a trophotope or hydrotope. The typological forest system is given according to the basic ecotopes of the south eastern Ukrainian SSR. It is shown that the typology of artificial woods has to be constructed with the following units of

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Abs Jour : Ref Zhur - Biol., No 20, 1958, 91500

different taxonometric rank: The type of conditions for forest plants, the type of ecological structures and the type of tree stand. The typological scheme of forest plant conditions is given for the artificial forest in the steppe zone of the Ukrainian SSR. The type of ecological structure is determined by the light structure of the plantations and the duration of its influence on climatic and ground-soil conditions. The type of tree stand which characterizes the selection and the correlation between the species results in the creation of stable or unstable plantations. To sum up, a typological formula is given for the artificial forest plots. -- V.I. Klimov

BEL'GARD, O.L. [Bel'hard, O.L.], doktor biol.nauk, prof. (Dnepropetrovsk)

Oases of forests. Nauka i zhyttia 9 no.7:42-44 Jl '59.
(MIRA 12:11)
(Ukraine--Forests and forestry)

PROZOROVSKIY, N.A.; BEL'GARD, A.L.

Work at the institutions of higher learning in establishing geobotanical regions; results of the Third Conference at the Moscow University. Bot.zhur. 44 no.12:1782-1783 D '59.
(MIRA 13:4)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova, i Dnepropetrovskiy gosudarstvennyy universitet.
(Photogeography--Congresses)

PYATNITSKIY, Sergey Sergeyevich, prof., doktor sel'skokhoz.nauk; BEL'GARD, A.L., prof., otv.red.; VAYNBERG, D.A., red.; ZADOROZHNYY, V.S., tekhred.

[Course in dendrology] Kurs dendrologii. Khar'kov, Izd-vo Khar'kovskogo gos.univ. im. A.M.Gor'kogo, 1960. 421 p. (MIRA 14:6)

(Trees)

BEL'GARD, O.L. [Bel'hard, O.L.], prof. (Dnepropetrovsk)

Interesting natural phenomenon. Nauka i zhyttia 10 no.5:37-39 My '60. (MIRA 13:7)
(Allelopathy)

BEL'GARD, A.L.

Object and tasks of steppe forest science. Probl. bot. 6:74-82 '62.
(MIRA 16:5)

(Forestry research)

BEL'GARD, A.L.

Scientific views of G.I. Tanfil'ev and some problems of the steppe forestry research. Trudy Od. un. 152. Ser. geol. i geog. nauk no.9:78-88 '62. (MIRA 17:6)

BEL'GARD, O. L. [Bel'hard, O.L.]

Georgii Nikolaevich Vysotskii; on the 100th anniversary of his birth and the 25th anniversary of his death. Ukr. bot. zhur. 22 no.4:103-109 '65. (MIRA 18:10)

BEL'GARD, Valentina Vladimirovna; BORODAYEV, Sergey Fedorovich; DORMIDONTOV, F.K., redaktor; FRUMKIN, P.S., tekhnicheskiy redaktor

[Publications of the All-Union Publishing House of Shipbuilding Industry for 1932-1954; a bibliography] Izdaniia Sudpromgiza za 1932-1954 gg.; bibliograficheskii ukazatel'. Leningrad, Gos.soiuznoe izd-vo sudostroitel'noi promysh., 1955. 135 p. (MIRA 9:4)
(Bibliography--Shipbuilding)

STANESCU, M., dr.; PURICE, S., dr.; PETRESCU, C., dr.; BELIGAN, Gr., dr.

The value of glycocorticoids and thiazide diuretics in the treatment of atrioventricular block and in prevention of Adams-Stokes crises. Med. intern. (Bucur.) 17 no.4:439-444 Ap '65.

1. Lucrare efectuata in Clinica medicala din Spitalul "Prof. dr. I. Cantacuzino", Institutul medico-farmaceutic, Bucuresti (director: prof. I. Bruckner).

BEL'GOL'SKIY, B.P.; STAROSEL'SKIY, A.L.; LIKHORADOV, A.P.; TSYMBAL, F.Ye., master rel'sobalochnogo stana; BURTSEV, A.F., master rel'sobalochnogo stana.

[Rapid changing of rollers in a rolling mill] Skorostnaia perevalka valkov prokatnogo stana; opyt raboty masterov rel'sobalochnogo stana F.E.TSymbala i A.F.Burtseva. Khar'kov Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1953. 63 p. (MLRA 7:5)
(Rolls (Iron mills))

BEL'GOL'SKIY, Boris Petrovich; KRUKSAL', Mark Semenovich; STAROSEL'SKIY, [redacted]; KAZANTSEV, Ye.I., redaktor; ANDREYEV, S.P., tekhnicheskiy redaktor

[Senior welders' work experience with pit furnaces] Opyt raboty starshikh svarshchikov nagrevatel'nykh kolodtsev. Khar'kov, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi tsvetnoi metallurgii, 1954. 48 p. (MLRA 8:?)

(Welding) (Metallurgical furnaces)

BEL'GOL'SKIY, Boris Petrovich; STAROSEL'SKIY, Anatoliy Lazarevich; SAL'NIKOV,G., redaktor; PISARENKO,V., tekhnicheskiy redaktor

[Advanced methods of rolling steel; work practice of a group in the Petrovsk rail-structural mill] Peredovye metody prokatki; iz opyta raboty kollektiva rel'so-balochnogo tsekha zavoda im. Petrovskogo. Kiev, Gos. izd-vo tekhn. lit-ry, USSR, 1955. 39 p. (MLRA 9:3)

(Rolling mills)

BEL'GOL'SKIY, B.P., kandidat tekhnicheskikh nauk; STAROSEL'SKIY, A.L., inzhener.

Progressive work methods by senior blooming mill operaters. Stal' 16 no.3:220-224 Mr '56. (MLRA 9:7)

1.Dnepropetrovskiy metallurgicheskiy institut i zavod imeni Petrovskogo.
(Dnepropetrovsk--Rolling mills)

HEL'GOL'SKIY, B.P.; STAROSHL'SKIY, A.L.

"Progressive methods of rolling." Metallurg no.8:40 Ag '56.
(Rolling (Metalwork)) (MLRA 9:10)

PHASE I BOOK EXPLOITATION 502

Bel'gol'skiy, Boris Petrovich and Starosel'skiy, Anatoliy Lazarevich

Povysheniye proizvoditel'nosti prokatnykh stanov (Increasing the Productivity of Rolling Mills) Kharkov, Metallurgizdat, 1957. 183 p. (Series: Peredovyye metody truda) 3,300 copies printed.

Resp. Ed.: Kostin, L.G.; Ed. of Publishing House: Sinyavskaya, Ye.K.; Tech. Ed.: Andreyev, S.P.

PURPOSE: This book is intended for engineers and rolling mill operators and is considered useful to vuz and teknikum students specializing in various phases of steel processing.

COVERAGE: The book reviews various organizational methods for increasing the productivity of blooming mills, rail-structural mills, and section mills, and points out the possibilities for improving both the performance of rolling mills and the quality of product. There are 26 Soviet references. No personalities are mentioned.

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Increasing the Productivity of Rolling Mills 502

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AVAILABLE: Library of Congress

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A054/A033

AUTHORS: Medvedev, I.A., Docent, Bel'gol'skiy, B.P., Docent, Tareyko, N.A., Engineer, and Shafran, I.K., Engineer

TITLE: Coordination of Rolling Mill Operations

PERIODICAL: Stal', 1961, No. 2, pp. 135-139

TEXT: It was found from photochronometrical recordings that the output of the two-high reversing blooming mill (1,150) and the tube rolling mill [consisting of two-high reversing blooming (900) and three continuous stands (75)] of the new rolling workshop at the zavod im.Dzherzhinskiy (Plant im. Dzherzhinskiy) fell short of expectations. Lack of coordination in operating the various machines caused breakdowns amounting to 56% of the working time. The entire operation was graphically plotted with the aid of photography and in this way an indication of the metal flow and of the load of the machines in time was obtained (Fig.2). The graph showed that the output of the mill could be increased by supplying various types of billets and

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slabs. Not only metal from the low-output pusher type furnace should be fed to the 900 mill, but also "transit"-billets and slabs for other workshops of the factory, which do not require heating in the pusher type furnace. In order to ensure the uniform loading of all machines of the unit, the mathematical relationships were determined. Thus, the uniform feed of the two mills - both rolling different products - could be determined by

$$C_1 T_1 + C_2 T_2 = C_1 t_1 + C_2 t_2 \quad (1)$$

where C_1, C_2 - the quantity of products of the first and second into the mill; T_1, T_2 - the time it takes to roll a unit-quantity of the two different products on the first stand, t_1, t_2 - idem on the second stand. The quantitative relation of the two kinds of products ensuring a uniform output on both mills is

$$\frac{C_1}{C_2} = \frac{t_2 - T_2}{T_1 - t_1} \quad (2)$$

For three mills, when one of them works for the other two, the expedient load will be determined by:

$$C_1 T_1 + C_2 T_2 = C_1 t_1 = C_2 \tau_2 \quad (3)$$

where τ_2 - time it takes to roll a product unit on the third mill. The amount of "transit" metal is determined by the production ratio of furnace F (t/h) and of mill 900, when rolling metal coming from the furnace F_1 and the "transit"-furnace F_2. The quantity of metal rolled on mill 900 as intermediate product in one hour amounts to

$$K_t = \left(1 - \frac{F}{F_1}\right) F_2 \qquad (4)$$

Mill 1500 has at the same time to roll K_t amount of metal to be passed on to mill 900 as "transit" product, while during the remaining time tubes can be rolled in a quantity corresponding to the capacity of the heating furnaces, as well as slabs for the general workshops. The relation between the various metal flows was determined from the metal-consumption coefficient for the blooming mill and its average output. It was found that the efficiency ratio of the mills did not tally with the ratio of their operational time. The productivity of mill 1500 on which two ingots can be rolled at a time, was higher than that of mill 900. However, the low output of pit furnaces creates the bottleneck in the production process. Their capacity can be raised by increasing the temperature of ingots during feeding, by reducing

the time of cold feeding, eliminating idle time and not retain metal in them any longer than necessary, moreover, by intensifying the heating of ingots and increasing the number of travelling cranes. By drawing up a detailed operation-schedule for the mills in question, according to the investigations and calculations carried out, the mills are now utilized more fully and the savings effected by the 1500 and tube rolling mills - only with regard to permanent costs - amount to about 500,000 rubles per annum. There are 2 figures and 3 tables.

ASSOCIATIONS: Dnepropetrovskiy metallurgicheskiy institut (Dnepropetrovsk Metallurgical Institute) and zavod im.Dzherzhinskogo (Plant im.Dzherzhinskiy)

BEL'GOL'SKIY, Boris Petrovich, kand. tekhn.nauk, dots.; MEDVEDEV, Ivan Alekseyevich, kand. tekhn. nauk, dots.; STAROSEL'SKIY, Anatoliy Lazarevich, inzh.; LUK'YANOV, M.R., inzh., retsenzent; SEMENENKO, M.D., inzh., red. izd-va; STARODUB, T.A., tekhn. red.

[Ways to reduce the cost of rolling] Puti snizheniia sebestoimosti prokata. Kiev, Gostekhizdat USSR, 1962. 125 p. (MIRA 16:5)

(Rolling (Metalwork))

BEL'GOL'SKIY, Boris Petrovich; BRYUKHANENKO, B.A., red.; KHUTORSKAYA, Ye.S., red.izd-va; KOROVINA, N.A., tekhn. red.

[How best to organize the work of a rolling mill operator] Kak luchshe organizovat' trud prokatchika. Moskva, Metallurgizdat, 1963. 71 p. (MIRA 17:3)

BEL'GOL'SKIY, Boris Petrovich; MEDVEDEV, Ivan Alekseyevich; BRYUKHANENKO, B.A., red.; KHUTORSKAYA, R.Ya., red.izd-va; GINZBURG, R.Ya., tekhn. red.

[Economics, organization and planning of metal rolling] Ekonomika organizatsii i planirovanie prokatnogo proizvodstva. Moskva, Metallurgizdat, 1963. 157 p. (MIRA 16:10)

(Rolling (Metalwork))

BEL'GOL'SKIY, Boris Petrovich; GLIKMAN Emmanuil Solomonovich; MEDVEDEV, Ivan Alekseyevich; SHTETS, K.A., dots., retsenzent; LIBERMAN, L.M., dots., retsenzent; YEMEL'YANOV, A.V., kand. ekon. nauk, otv. red.

[Production standards in metallurgy] Tekhnicheskoe normirovanie v metallurgicheskoi promyshlennosti. Khar'kov, Izd-vo Khar'kovskogo univ., 1963. 194 p. (MIRA 17:8)

MEDVEDEV, I.A.; GLIKMAN, E.S.; BEL'GOL'SKIY, B.P.; VOLKOVA, Ye.N.; STARODUBSKIY, D.F.; LIKHACHEV, Ye.N.

Methods of determining the effect of the volume of output on the magnitude of general plant expenditures and metallurgical plant production costs. Izv. vys. ucheb. zav.; chern. met. 6 no.6: 209-213 '63. (MIRA 16:8)

1. Dnepropetrovskiy metallurgicheskiy institut.
(Iron industry) (Steel industry)

KHAKHALINA, Anastasiya Nikolayevna; BEL'GOL'SKIY, Boris Petrovich; SHIRYAYEV, P.A., red.; LEVIT, Ye.I., red.izd-va; KARASEV, A.I., tekhn. red.

[Economics, organization and planning of steel production in open-hearth furnaces] Ekonomika, organizatsiia i planirovanie martenovskogo proizvodstva stali. Moskva, Metallurgizdat, 1964. 199 p. (MIRA 17:4)

BEL'GOL'SKIY, B.P., dotsent, kand.tekhn.nauk; MEDVEDEV, I.A., dotsent, kand.tekhn.nauk

Review of the book by A.F.Mets "Organizing the production in rolling mills." Stal' 24 no.2:175-176 F '64. (MIRA 17:9)

1. Dnepropetrovskiy metallurgicheskiy institut.

MEDVEDEV, I.A.; BEL'GOL'SKIY, B.P.; CHERNUKHA, A.P.

Operative control of basic technical and economic indices of open-hearth production. Met. i gornorud. prom. no.6:17-19 N-D '64. (MIRA 18:3)

1. Dnepropetrovskiy metallurgicheskiy institut.

BELGORAY, D.

Our high duty. NTO no.8:23 Ag '59. (MIRA 12:11)

1. Predsedatel' soveta pervichnoy organizatsii Nauchno-tekhnicheskogo obshchestva vodnogo transporta zavoda "Balttekhflot," Leningrad.

(Leningrad--Ships--Maintenance and repair)

ACC NR: AP7013143 SOURCE CODE: UR/0425/66/009/011/0015/0019

AUTHOR: Belgorodskaya, G. N.

ORG: Institute of Seismic Resistant Construction and Seismology, AN TadzhSSR (Institut seysmostoykogo stroitel'stva i seysmologii AN TadzhSSR)

TITLE: Use of seismograms for obtaining the spectra of reduced seismic accelerations

SOURCE: AN TadzhSSR. Doklady, v. 9, no. 11, 1966, 15-19

TOPIC TAGS: earthquake, seismograph, seismogram, seismic wave, computer application, algorithmic language

SUB CODE: 08,09

ABSTRACT: The objective of the author was to obtain and analyze the greatest possible number of spectra of reduced seismic accelerations from the records of different earthquakes for the purpose of determining common features in dependence on the properties of the ground, the focal depth of the earthquakes, etc. The acceleration $y_0''(\xi)$ is stipulated in the form of the accelerogram of an earthquake. By tabulating this accelerogram it is possible to obtain a set of values t_n and the corresponding accelerations by $y_0''(t_n)$. By computing the value $\eta(t, \alpha, T)$, whose derivation and significance are fully explained in the article, it is possible to make use of such accelerograms. However, since at present there are very few such earthquake accelerograms and

Card 1/2

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ACC NR. AP7013143

the most available data are seismograms, the author has developed a method for using seismograms for obtaining the spectra of reduced seismic accelerations. Thus, the article describes two methods for obtaining reduced seismic accelerations. This can be done using an electronic computer. Programs for both were prepared in the algorithmic language ALGOL-60 which can be used on any computer having a translator. These programs in ALGOL will be published in the near future. This paper was presented by Corresponding Member AN TadzhSSR A. A. Adkhamov on 5 May 1966. Orig. art. has: 5 formulas. [JPRS: 40,106].

Card 2/2

Cand Med Sci

BELGORODSKAYA, N. N. PHYSICIAN

Dissertation: "Clinic-Statistical Characteristic of Diphtheria."
16/1/50

Second Moscow State Medical Inst imeni

I. V. Stalin

SO Vecheryaya Moskva
Sum 71

BELETSKIY, V.G.; BELGORODSKAYA, N.N.; LYAKHOVA, L.Ya.

State of artificial lighting in Smolensk schools. Gig. i san. 21 no.9:94 S '56. (MLRA 9:10)

1. Iz kafedry gigiyeny Smolenskogo meditsinskogo instituta.
(SMOLENSK--SCHOOL HOUSES--LIGHTING)

BELGORODSKAYA, N. N., BELETSKIY, V. C.

"Dynamics of the physical development and state of health of Smolensk school children during the postwar period."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

BELGORODSKAYA, S. N.

"The Beginning of Russian Sanitary Statistics." Sub 16 Jun 47, Second Moscow State Medical Inst imeni I. V. Stalin

Dissertations presented for degrees in science and engineering in Moscow in 1947

SO: Sum No. 457, 18 Apr 55

KHANIN, Sh.G.; BELGORODSKAYA, S.N.

Experience in practical use of Pizzi's formula for the evaluation of the reliability of LD50 determined by Reed and Muench's method. Zhur. mikrobiol., epid. i immun. 40 no.2:76-82 F '63. (MIRA 17:2)

1. Iz Smolenskogo meditsinskogo instituta.

BELGORODSKAYA, S.N.; SHEVELEV, A.S.

Use of the ordinal criterion X (Van der Warden) for statistical evaluation of the significance of differences in quantitative measurements in immunological studies. Zhur. mikrobiol.; epid. i immun. 42 no.11:130-131 N '65. (MIRA 18:12).

1. Smolenskiy meditsinskiy institut. Submitted March 1, 1965.

45566
S/138/63/000/001/002/008
A051/A126

15,9201

AUTHORS: Fisher, S. L., Perminov, A. M., Radchenko, I. I., Poddubniy, I. Ya., Lobach, M. I., Belgorodskii, I. M.

TITLE: Production of butadiene-styrene (methylstyrene) rubbers according to an iron-trilon-rongalite composition using a colophony emulsifier

PERIODICAL: Kauchuk i rezina, no. 1, 1963, 9 - 15

TEXT: Effective compositions of polymerization have been introduced by the authors for emulsion rubbers-iron-pyrophosphate and iron-trilon-rongalite, satisfying industrial requirements. The suggested compositions are less sensitive to foreign admixtures contained in disproportionated colophony. The industrial production of the iron-trilon complex is easier than that of the iron-pyrophosphate complex. The described composition was used first at the Kuybyshev SR Plant in 1961 for the production of butadiene-methylstyrene rubber CKMC-30 APKM-15 (SKMS-30 ARKM-15). The suggested composition has been perfected by further intensifying the polymerization process and improving the rubber qualities. The experiments were conducted using: 92 - 94% butadiene-rectificate; 98% methylstyrene; 99.4% styrene; colophony, disproportionated with acidic number 165, con-

Card 1/3

taining abietene acids (1.8 - 2.5%); hyperis, containing 90.8% hydrogen peroxide; 90.8% monohydrogen peroxide diisopropylbenzene, containing 35% hydrogen peroxide; tertiarydodecylmercaptane, 95% concentrated. An autoclave of periodic action was used. The experimental results led to the following changes in the composition: 94 - 96% butadiene-rectificate; 98.5% methylstyrene, produced by dehydration of isopropylbenzene; disproportionated colophony, produced on a palladium catalyst by the continuous method with acidic number 163 - 164, and containing abietene acids - (2.5 - 4.9%); commercial stearene acid; 95% tertiary dodecylmercaptane d_{20} 0.8616, D_{20} 1.4685; softened water with a total hardness of 0.029 mg.equiv./l and iron content - 0.15 - 0.3%. The resulting SKMS-30 ARKM-15 commercial rubber is characterized by the absence of noticeable quantities of high-molecular fractions. It is similar to SKS-30 ARM-15 and SKMS-30 ARM 15 in its plastic properties mix scorching and spraying resistance. Studies have been conducted on the possibility of further reducing the emulsifier quantity in the production of butadiene--styrene and butadienemethylstyrene rubbers. It was found that: a) by reducing the emulsifier quantity from 5.8 to 5.2 weight parts, the polymerization duration does not change; b) by reducing the emulsifier quantity from 5.8 to 4.8 w.p., the duration remains the same if the trilon B is increased from 0.04 to 0.05 w.p.

Production of butadiene-styrene (methylstyrene) rubbers.

Thus, the latex stability is not affected by the reduction in emulsifier. Therefore, the latter can be reduced by 10.17%. The application of the iron-trilon-rongalite polymerization composition has been recommended for the production of butadiene-styrene rubbers in other SR plants. There are 6 figures and 4 tables.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka im. S. V. Lebedeva
(All-Union Scientific Research Institute of Synthetic Rubber im. S. V. Lebedev)

Card 3/3

SAMOYLOVICH, D.M.; BELGORODSKIY, M.I.; BARINOVA, Ye.S.

Increasing the sensitivity of emulsions of the type P. Zhur. nauch. i prikl. fot. i kin. 3 no.4:284 Jl-Ag '58. (MIRA 11:9)

1.Zavod tekhnicheskikh plastinok Mosgorsovnarkhoza.
(Photographic emulsions)

GOROVOY, G.P.; BELGORODSKIY, M.L.; BOL'SHAKOV, G.I.

Effect of the composition of coal charges on the hydrogen content of coke-oven gas. Koks i khim. no.1:12-14 '60. (MIRA 13:6)

1. Kemerovskiy koksokhimicheskiy zavod.
(Kemerovo--Coke-oven gas)
(Hydrogen)
(Coal--Carbonization)

STAVERSKIY; MALYUTIN, G.I.; BELGORODSKIY, P.N.

Experience in the receiving, storage, and processing of sugar beets harvested with the continuous method. Sakh.prom. 37 no.7: 42-49 Jl '63. (MIRA 16:7)

1. Gonorovskiy sakharnyy zavod (for Staverskiy). 2. Gul'kevicheskiy sakharnyy zavod (for Malyutin). 3. Novo-Kubanskiy sakharnyy zavod (for Belgorodskiy).

(Sugar beets)

ZUDOV, B.G.; BELGORODSKIY, S.M.

Effect of thermal deformations on the precision of machine tools for machining bevel gears. Stan.i instr. 33 no.1:17-19 Ja '62. (MIRA 15:2)

(Gear cutting)

BELGORODSKIY, V.

Petr Semenovich Fedorov. Vest.khim. 84 no.3:150 Mr '60.
(MIRA 13:12)
(FEDOROV, PETR SEMENOVICH, d.1960)

YEVSIKOV, P., BELGOV, K.

Valuable initiative of Kizel coal miners. Mast.ugl. 9 no.6:21 Je '60. (MIRA 13:7)

1. Predsedatel' Permskogo obkoma profsoyuza ugol'shchikov (for Yevsikov).
2. Zamestitel' predsedatelya oblastnogo pravleniya Nauchno-tekhnicheskogo obshchestva gornoye (for Belgov).
(Kizel Basin—Coal miners)

SAVEL'YEV, V.S.; RIKHTER, A.A.; SAVCHUK, B.D.; BEL'GOV, V.Ye.; PANTSYRNYY, V.B.

Electronic heart stimulator implanted into the organism. Grud. khir. 6 no.6:99-100 N-D '64. (MIRA 18:7)

1. Klinika fakul'tetskoy khirurgii im. S.I. Spasokukotskogo (direktor - akad. A.N. Bakulev) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.

BEL'GOV, Yu.A., inzh.

Dividing expenses among the constituent parts of a major construction project. Gidr. stroi. 32 no.1:31-34 Ja '62. (MIRA 15:3)

(Construction industry--Accounting)

BEL'GOVA, M.A., kand. tekhn. nauk

Irregularity of waves and its effect on resonance bending moments. Trudy LIVT no.62:5-11 '64. (MIRA 18:11)

BEL'GOVA, I.N.

LENKEVICH, M.M.; GRIGOR'YEVA, L.M.; MIKHEL'SON, M.Ya.; SAVINSKIY, Ya.R.; MEN'SHAKOV, G.P.; BEL'GOVA, I.N.; TANK, L.I.; KARASIK, V.M.

Pharmacology and Toxicology Section of the Leningrad I.M. Sechenov Society of Physiologists, Biochemists and Pharmacologists. Farm.i toks. 16 no.2:57-58 Mr-Ap '53. (MLRA 6:6)

1. Otdel farmakologii IEM Akademii meditsinskikh nauk SSSR (for Lenkevich and Tank). 2. Pervyy Leningradskiy meditsinskiy institut (for Mikhel'son and Savinskiy). 3. Kafedra farmakologii Leningradskogo veterinarnogo instituta (for Men'shakov). 4. Leningradskiy pediatricheskiy meditsinskiy institut (for Bel'gova). 5. Saktsiya farmakologii i toksikologii Leningradskogo obshchestva fiziologov, biokhimikov farmakologov imeni I.M. Sechenova. (Pharmacology--Societies) (Physiology--Societies) (Biochemistry--Societies)

BEL'GOVA, I. N.

"The Effect of Arsenite and of Mercuric Chloride on the Cholinergic Reactions of the Heart," Farm. i Toks., 16, No.2, p. 58, 1953.

Leningrad Pediatric Med. Inst.

Expts on the isolated frog heart showed that low concns of arsenite (1:10,000 - 1:20,000) strehgthen the cholinergic inhibition of the heart produced by acetylcholine, carbocholine, arecholine, or proserine, while high [redacted] concs counteract that inhibition. This dependence of the blocking of SH groups of the concn of SH poisons was established for the first time. It was also found that $HgCl_2$ may prevent, weaken, or suppress cholinergic inhibition. The min concn of $HgCl_2$ which produces an effect of this type proved to be 1:1,000,000. Introduction into the heart of sodium thiosuccinate (1:20,000)or of cysteine (1:1,000) prevents the effect produced by $HgCl_2$.

254T26

Effects of curare on muscle tonus of male frogs' front legs. I. N. Bel'gova (Inst. Pediat. Med., Leningrad). *Farmakol. i Toksikol.* 17, No. 2, 48(1954).—Stimulation of skeletal muscle reflexes in frogs occurs before locomotion is affected, namely at 0.17 to 0.7 mg./kg.; effects on locomotion appear at about 0.8 mg./kg. Julian F. Smith

Chem Pharmacology

BEL'GOVA, I.N.

Effect of mercuric chloride on cholinergic systems of the heart. Biul. eksp. biol. i med. 37 no.5:12-16 My '54. (MLRA 7:7)

1. Iz kafedry farmakologii (zav. chlen-korrespondent AMN SSSR prof. V.M.Karasik) Leningradskogo pediatricheskogo meditsinskogo instituta.

(HEART, effect of drugs on,
*mercuric chloride, isolated frog heart)
(MERCURY,
*mercuric chloride, eff. on isolated frog heart)

USSR/Medicine/Biochemistry - Pharmacology FD-2951

Card 1/1 Pub. 17-15/23

Author : Bel'gova, I. N.

Title : Utilization of complex formation to render heavy metals harmless in the organism

Periodical : Byul. eksp. biol. i med. 7, 52-55, July 1955

Abstract : Author describes her experiments with various compounds, some containing and some not containing sulfhydryl groups, which would render cadmium cations harmless in the organism by forming complex compounds. Ethylene-diamine tetraacetic acid which forms compounds with cadmium cations outside the organism, was found to be effective also inside the entire organism. 4 references, 1 USSR, 2 since 1940, Graph and tables.

Institution : Chair of Pharmacology (Head: Corresponding Member Academy Medical Sciences USSR Prof V. M. Karasik) Leningrad Pediatrics Medical Institute, Leningrad

Submitted : 29 June 1954

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204310016-4"

BEL'GOVA, I.N.

Inactivation of cobalt in the body with ethylenediamine tetraacetic acid. Biul.eksp.biol. i med. 42 no.8:51-53 Ag '56. (MLRA 9:11)

1. Iz kafedry farmakologii (zav. - chlen-korrespondent AMN SSSR prof. V.M.Karasik) Leningradskogo pediatricheskogo meditsinskogo instituta (dir. - prof. N.T.Shutova). Predstavlena deystvitel'nym chlenom AMN SSSR S.V.Anichkovym.

(EDATHAMIL, effects,
on cobalt metab., inactivation (Rus))
(COBALT, metabolism,
eff. of edathamil, inactivation (Rus))

USSR/Pharmacology - Toxicology - Chelating Agents. V

Abs Jour : Ref Zhur Biol., No 4, 1959, 18623

Author : Bel'gova, I.N.
Inst :
Title : Experimental Study of Rendering Mercury Salts Harmless by Means of Ethylenediaminetetraacetic Acid.

Orig Pub : Byul. eksperim. biol. i meditsiny, 1957, 44, No 9, 77-79

Abstract : The possibility of inactivation of the mercury ion by means of Ca-EDTA (I) was determined. In experiments on isolated heart of frog, with utilization of a carbocholine test, it was shown that inactivation of $HgCl_2$ (II) is possible in considerable excess of a concentration of I, when the molar ratio of I/II is 120. In decrease of this ratio to 48, inactivation of II does not take place. In another series of experiments, the influence of I on rendering II harmless in the entire organism was studied. 50 white mice received intraperitoneally 10 gamma/g of II and 400

Card 1/2

BEL'GOVA, I.N.; OSIPOVA, S.V.

Associated effect of poisons blocking the cytochromic system and of poisons inducing disorders of respiratory phosphorylation on resistance of mice to lowered atmospheric pressure [with summary in English]. Biul.eksp.biol. i med. 45 no.1:54-57 Ja '58. (MIRA 11:4)

1. Iz kafedry farmakologii (zav. - prof. V.M.Karasik) Leningradskogo pediatricheskogo meditsinskogo instituta. Predstavlena deystvitel'-nym chlenom AMN SSSR V.V.Zakusovym.

(AZIDES, effects,
sodium azide on resist. of mice of low atmosphreic pressure (Rus))
(CYANIDES, effects,
potassium cyanide on reist. of mice to low atmospheric pressure (Rus))
(ATMOSPHERIC PRESSURE, effects,
resist. in mice to low pressure after admin. of potassium cyanide & sodium azide (Rus))

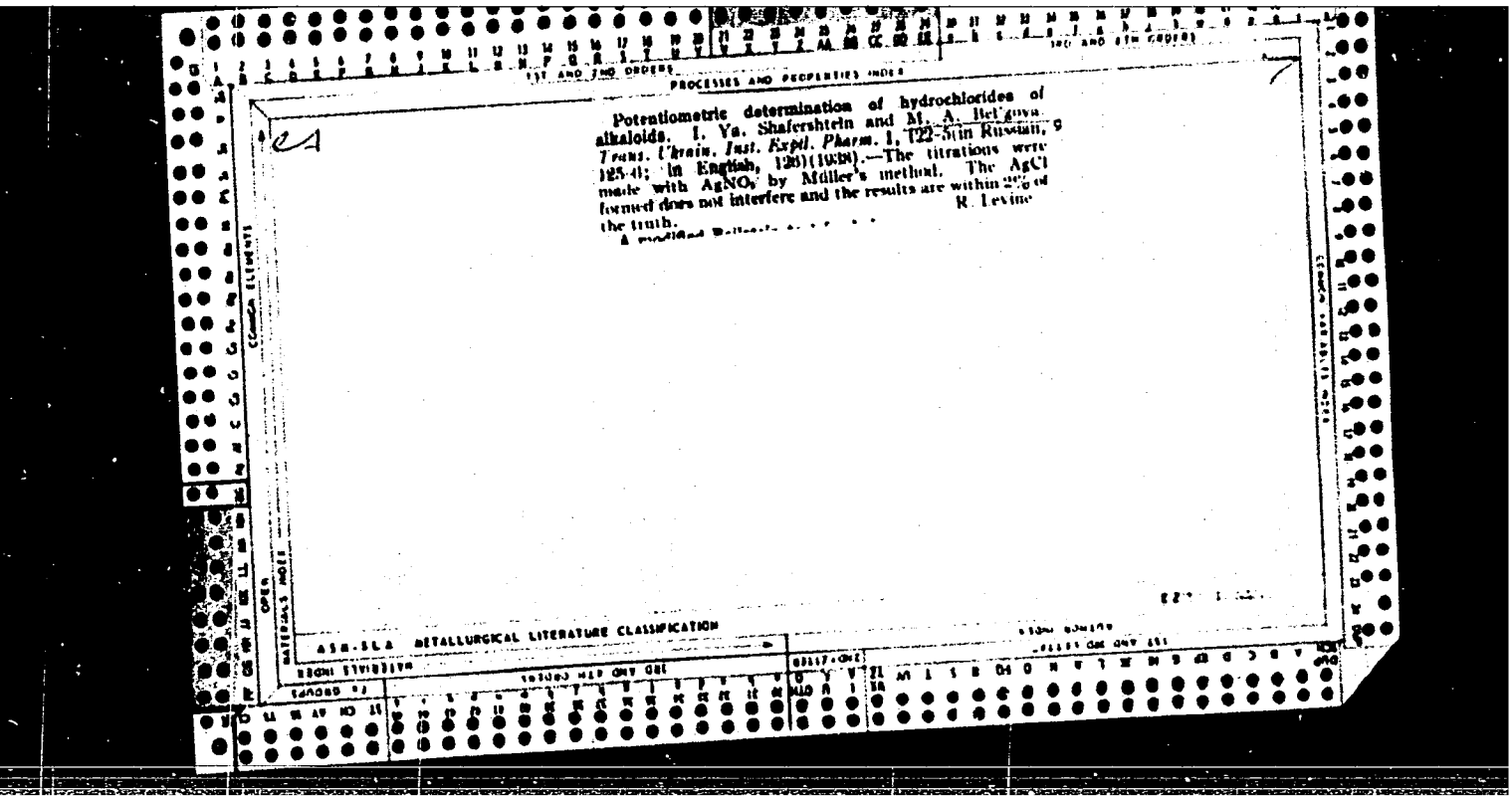
BEL'GOVA, I.N.

Chelating agents (complexons) and their use in experimental and clinical medicine. Farm.i toks. 24 no.2:239-245 Mr-Ap '61. (MIRA 14:6)

1. Kafedra farmakologii (zav. - deystvitel'nyy chlen AMN SSSR prof. V.M.Karasik) Leningradskogo pediatricheskogo meditsinskogo instituta. (CHELATES)

BEL'GOVA, I.N. (Leningrad)

Detoxication of staphylococcal toxin with sodium dimercaptopropan sulfonate (unithiol). Farm. i toks. 27 no.1:68-73 Ja-F '64.
(MIRA 17:11)

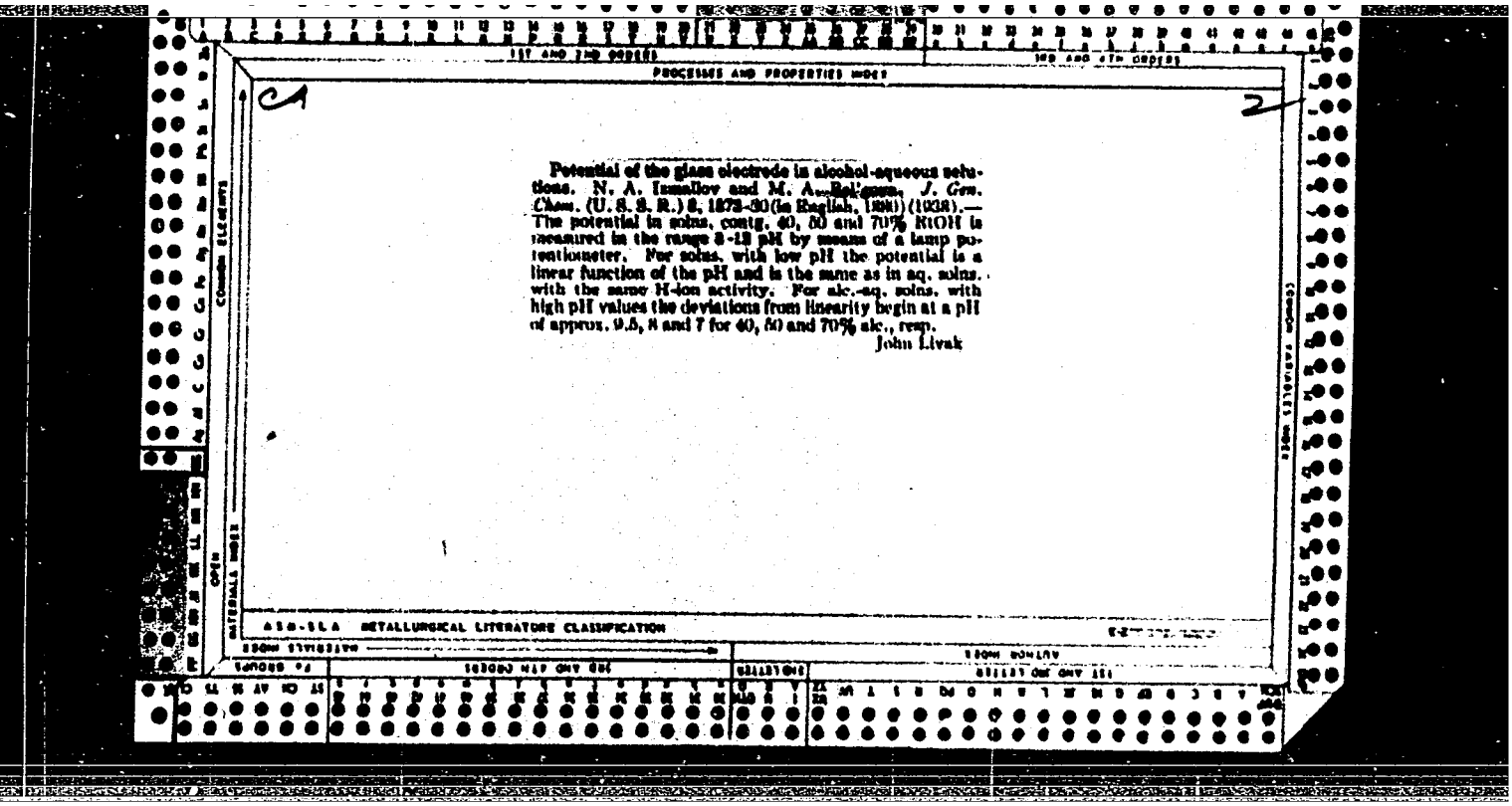


PROCESSES AND PROPERTIES INDEX

Potentiometric determination of hydrochlorides of alkaloids. I. Ya. Shafershtein and M. A. Bel'gova. *Trans. Ukrain. Inst. Exptl. Pharm.* 1, 122-5(in Russian, 9 125-41; in English, 126)(1938).—The titrations were made with $AgNO_3$ by Müller's method. The AgCl formed does not interfere and the results are within 2% of the truth.

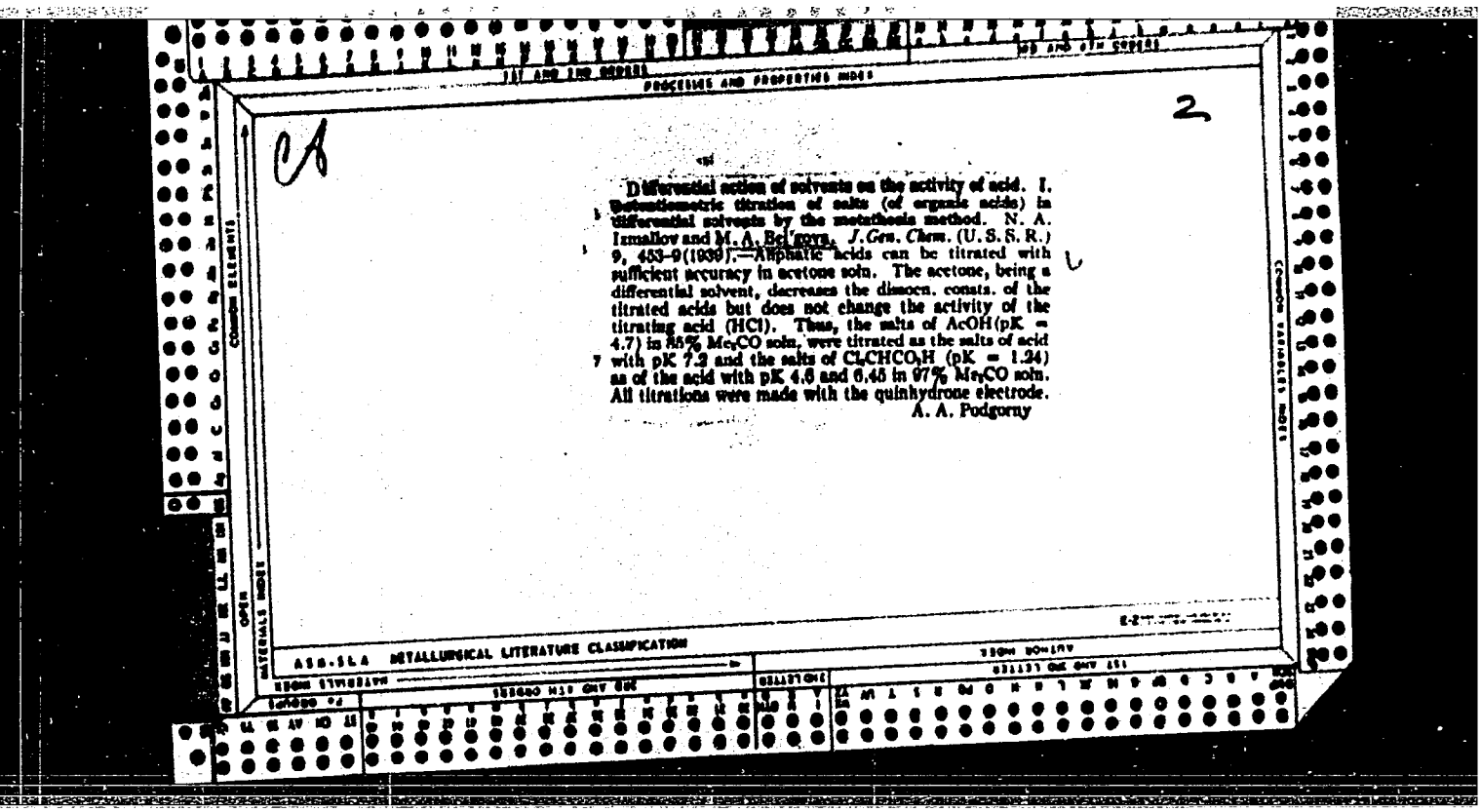
R. Levine

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION



Potential of the glass electrode in alcohol-aqueous solutions. N. A. Izmailov and M. A. Rabinson. *J. Gen. Chem.* (U. S. S. R.) 8, 1873-80 (in English, 1881) (1938).—The potential in solns. contg. 40, 50 and 70% KOH is measured in the range 8-13 pH by means of a lamp potentiometer. For solns. with low pH the potential is a linear function of the pH and is the same as in aq. solns. with the same H-ion activity. For alc.-aq. solns. with high pH values the deviations from linearity begin at a pH of approx. 9.5, 8 and 7 for 40, 50 and 70% alc., resp.

John Livak



Differential action of solvents on the activity of acid. I. Potentiometric titration of salts (of organic acids) in differential solvents by the metathesis method. N. A. Izmailov and M. A. Bel'gova. *J. Gen. Chem.* (U.S.S.R.) 9, 453–9(1939).—Aliphatic acids can be titrated with sufficient accuracy in acetone soln. The acetone, being a differential solvent, decreases the dissocn. consts. of the titrated acids but does not change the activity of the titrating acid (HCl). Thus, the salts of AcOH (pK = 4.7) in 86% Me_2CO soln. were titrated as the salts of acid with pK 7.2 and the salts of Cl_3CHCO_2H (pK = 1.24) as of the acid with pK 4.6 and 6.45 in 97% Me_2CO soln. All titrations were made with the quinhydrone electrode.

A. A. Podgorny

1. BEL'GOVA, M. A.

2. USSR (600)

4. Shipbuilding

7. Investigating the possibility of gluing in ship construction. Trudy TsNIIRF No. 10, 1951.

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

BEL'GOVA, M.A., kandidat tekhnicheskikh nauk; KUZNETSOV, P.I., redaktor; VOLCHOK, K.M., tekhnicheskiy redaktor

[Use of glue in wooden barge construction] Primenenie kleia v dereviannom barzhestroenii. Leningrad, Izd-vo Ministerstva morskogo i rechnogo flota SSSR, 1953. 32 p. [Microfilm] (MLRA 7:10)
(Barges) (Glue)

BELGOV, M.A.

2751. Belgov, M. A., and Maksimovskii, A. I., Practical methods of calculating coverings in vessels and calculation of brackets in the case of calculation of ribbed frames (in Russian), *Trans. Central Scientific Institute for the River Fleet* 27, 29–67, 1954; Ref. Zh. Meth. 1956, Rev. no. 3167.

In the calculations of the strength of hull coverings it is necessary to overcome difficulties connected with determination of the coefficients of fixing in of main direction beams and of cross braces, which make up the assembly of these coverings.

An analysis is made of the influence of the value of these coefficients of fixing as applied to various systems of assembly of the coverings met with on vessels for internal waterways, and practical, i.e. approximate, methods of calculating these coverings with the use of tables and graphs given in the work are established.

Further, the problem is examined of the calculation of the influence of brackets in the opening of the static indeterminacy of assembly beams of a ship's hull.

On the basis of the investigation, a method for the approximate calculation of the influence of these brackets is recommended.

Courtesy Referativnyi Zhurnal Yu. A. Shimanskii, USSR

Translation, courtesy Ministry of Supply, England