

L 1978-66

ACCESSION NR: AP5020948

ENCLOSURE: 01

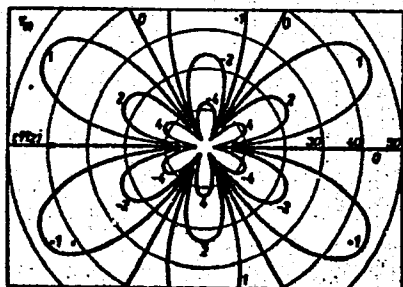
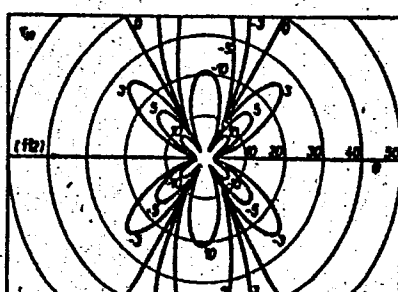
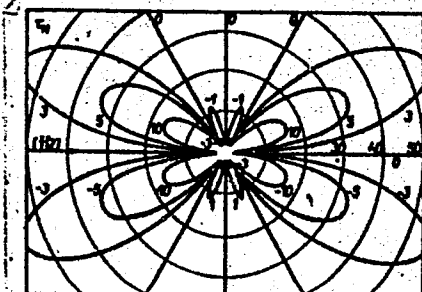


Fig. 1. Stress fields due to screw dislocation in α -Fe. Unit of distance: b . Unit of stress: $10^9/w$ dyne/cm². Horizontal axis represents $[\bar{1}\bar{1}2]$ direction. a) τ_{11} , b) τ_{22} , c) τ_{33} .

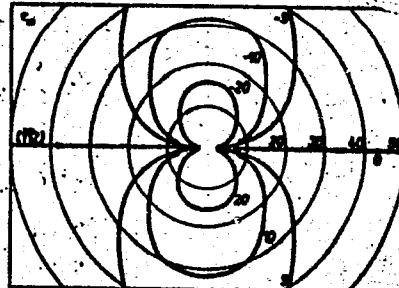
Card 3/6

L 1978-66

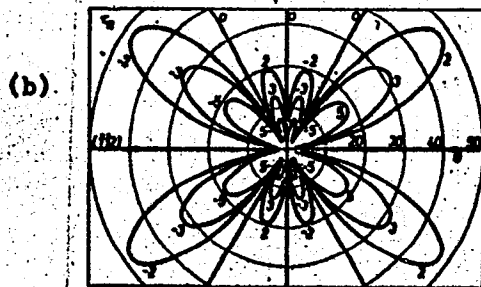
ACCESSION NR: AP5020948

ENCLOSURE: 02

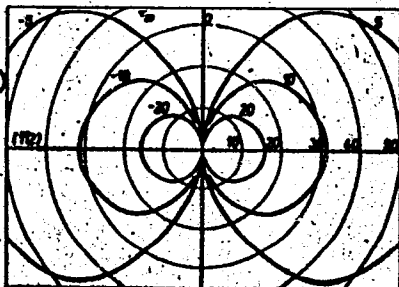
Fig. 2. Stress fields due to screw dislocations in α -Fe. Unit of distance: b . Unit of stress: $10^9/\nu$ dyne/cm². Horizontal axis represents $[112]$ direction. a) τ_{13} , b) τ_{12} , c) τ_{23} .



(a)



(b)



(c)

Card 4/6

L 1978-66

ACCESSION NR: AP5020948

ENCLOSURE: 03

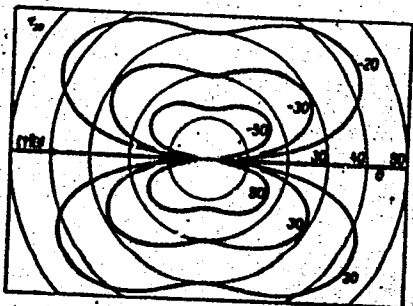
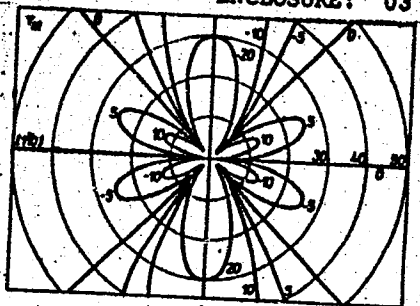
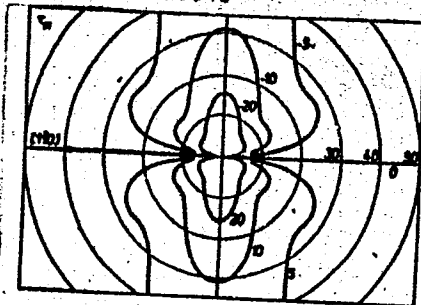


Fig. 3. Stress fields due to edge dislocation lying in $[1\bar{1}2]$ direction in α -Fe. Unit distance: b . Unit of stress: $10^9/w$ dyne/cm². Horizontal axis represents $[1\bar{1}0]$ direction. a) τ_{11} , b) τ_{22} , c) τ_{33} .

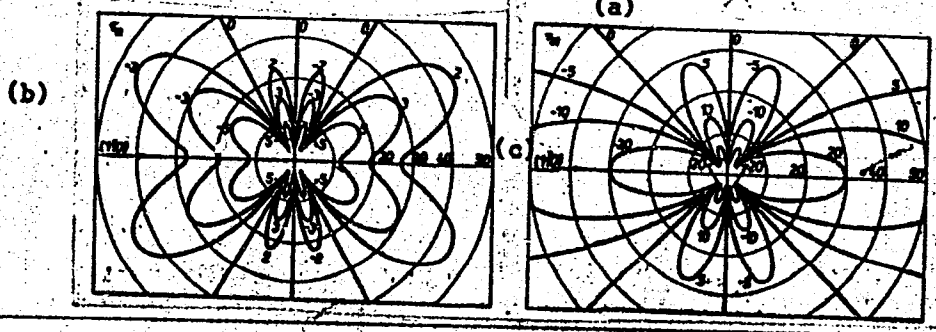
Card 5/6

L 1978-66

ACCESSION NR: AP5020948

ENCLOSURE: 04

Fig. 4. Stress fields due to edge dislocation lying in $[1\bar{1}2]$ direction in α -Fe. Unit distance: b . Unit of stress: $10^9/\nu$ dyne/cm². Horizontal axis represents $[1\bar{1}0]$ direction. a) τ_{13} , b) τ_{12} , c) τ_{23} .



Cord, 8/6 DP

BASTECKA, Vlasta; POLAK, Jiri

Thrombocytopenic purpura in infectious hepatitis. Sborn. ved.
prac. lek. fak. Karlov. Univ. 8 no.5:579-582 '65.

1. Infekcni klinika (prednosta - prof. MUDr. J. Ondracek);
Detska klinika (prednosta: prof. MUDr. J. Blecha) v Hradci
Kralove.

BASTECKY, Jan., MUDE, Prof.

Fiftieth anniversary of professor dr. P. Lekl.
Vnitr. lek., Brno 1 no.4:310-311 Apr 55.

(BIOGRAPHS
Lekl, Pavel)

BASTECKY, Jan; HRZEK, Vladimir; STEINHART, Leo; CERNOCH, Zdenek; SKRIVANEK,
Ota; HUZICKA, Karel

Clinical evaluation of splenoportography. Cas.lek.cesk. 94 no.14:
359-365 1 Apr 55.

1. Z radiologicke kliniky klinicke nemocnice VIA a z chirurgicke
kliniky klinicke nemocnice VIA v Hradci Kralove.
(SPLEEN, radiography,
splenoportography, clin. evaluation)

BASTECKY, Jan

Roentgen diagnosis of diseases of vertebral canal (except inter-vertebral disk displacements) with contrast media. Cas.lek.cesk. 94 no.14:366-372 1 Apr 55.

1. Z radiologicke kliniky VIA v Hradci Kralove.
(SPINAL CANAL, diseases,
diag., contrast media)
(CONTRAST MEDIA,
in spinal canal x-ray)

BASTECKY, J.

KROO, M.; BASTECKY, J.; PETR, R.

Intracranial intradural epidermoids. Rozhl. chir. 36 no.9:577-588
Sept 57.

1. Neurochirurgická a radiologická klinika VIA JEvP, Hradec Kralove.
(BRAIN NEOPLASMS, surg.
epidermoids (Cx))

BASTECKY, Jan

Technical progress and present status in radiology. Cesk. rentg. 12
no.2:121-128 June 58.

1. Radiologicka katedra VIA J. Ev. P. v Hradci Kralove.
(RADIOLOGY,
in Czech., technic progress & present status (Cs))

BASTECKY, Jan

Benign lung tumors. Cas. lek. cesk. 97 no.18:553-561 2 May 58.

1. Radiologicka katedra VIA J. Ev. P. v Hradci Kralove, prednosta
prof. Dr. J. Bastecky, J. B., Hradec Kralove, VIA JEP.

(LUNG NEOPLASMS, diag.

x-ray diag., differentiation between benign & malignant
tumors & localization (Cs))

BASTECKY, J.

60th anniversary of prof. Dr. Vaclav Svab, Cas.lek.cesk.99 no.38:
1186-1189 16 S'60.

~~MEMOIR~~ (BIOGRAPHIES)

BASTECKY, Jan; CERNOCH, Zdenek

Simple roentgen findings in expansive tumorous processes in the region of the optic nerve, chiasm and optic tract. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad Kral) 4 no.2:139-159 '61.

1. Radiologicka klinika: prednosta prof. Dr. So. MUDr. J. Bastecky.
(BRAIN NEOPLASMS radiography) (SKULL radiography)

BASTECKY, Jan; CERNOCH, Zdenek

Simple roentgen findings in expansive tumor processes in the area of the optic nerve, chiasm and optic tracts. Cesk. ofth. 17 no.4/5: 248-249 J1 '61.

1. Lekarska fakulta Karlovy university v Hradci Kralove, katedra radiologie, prednosta prof. MUDr. J. Bastecky, Dr. Sc.

(BRAIN NEOPLASMS radiography)
(OPTIC NERVE diseases)

VINAROVA, M.; NAHUNEK, K.; VENCovsky, E.; BASTECKY, J.; HADLIK, J.

Blind comparison of clinical effects of Imipramine and Propazepine.
Activ. nerv. sup. 4 no.2:227-228 '62.

1. Psychiatricka lecebna UNZ NV hlavniho mesta Prahy v Praze 8,
Psychiatricka klinika University J. Ev. Purkyne v Brne, Psychiatricka
klinika lekarske fakulty Karlovy university v Plzni.

(IMIPRAMINE ther) (ANTIDEPRESSIVE AGENTS ther)

BASTECKY, J.

Acute ataractic intoxication. *Activ. nerv. sup.* no.2:238-239 '62.

1. Psychiatricka lecebna UNZ NV hlavního mesta Prahy v Praze 8.

(TRANQUILIZING AGENTS toxicol)

BASTECKY, J.

CZECHOSLOVAKIA

JANIK, A.

CSSR

no academic degree indicated

Chair of psychiatry, Institute for Postgraduate Medicine (psychiatricka katedra
Ustavu pro doskolovani lekaru), Prague; director: docent J. PROKUPEK, MD

Bratislava, Bratislavské lekárske listy, No 10, 1962, pp 590-596

"On the Origin of a Syndrome Resembling Melancholy in the Course of Treatment
with some Phenothiazine Derivatives"

Co-author:

BASTECKY, J., Psychiatric clinic (Psychiatricka lecebna), Prague 8-Bohnice;
director: K. DOBISEK, MD

CZECHOSLOVAKIA

J. BASTECKY, Psychiatric Hospital (Psychiatricka lecebna) Prague 8.

"Experiences with Mellaril Treatment."

Prague, Ceskoslovenska Psychiatrie, Vol 58, No 6, 1962; pp 413-414.

Abstract : Use of chloridazine Sandos in 50 women with depressive and paranoid psychoses; 150 to 500 mg. daily for several weeks to several months. Eleven other patients with cerebral arteriosclerotic changes and depression, and 19 women with postpartal psychoses. Good effects, minor side effects in all 3 groups. No references.

1/1

BASTECKY, J.

The open-door system in a female admission ward of a psychiatric hospital. Cesk. psychiat. 58 no.5:315-320 0 '62.

1. Psychiatricka lecebna v Praze 8.
(HOSPITALS PSYCHIATRIC)

BASTECKY, J.

Experience with melleril therapy. Cesk. psychiat. 58 no.6:413-414
D '62.

(THIORIDAZINE) (PSYCHOSES MANIC-DEPRESSIVE)
(PSYCHOSES INVOLUTIONAL) (DEPRESSION)

CZECHOSLOVAKIA

BASTECKY, J., of the Psychiatric Hospital (Psychiatrika lecebna), Prague 8.

"Effect of Melleril on the Stabilization of Restoration in Endogenous Depressive States"

Prague, Ceskoslovenska Psychiatrie, Vol LIX, No 2, April 63, pp 110-111.

Abstract: Investigated was the effect of Melleril (thio-ridazine Sandoz) on the stabilization of restoration in periodic endogenous depressions and involitional depression caused by Tofranil (imipramine Geigy) and their effect on the levelling up of the psychomotoric and emotional functions during the onset of a mania-forming syndrome following the administration of Tofranil.

1/1

JANIK, A.; BASTECKY, J.

On the pathogenesis of a syndrome resembling melancholy in the course of treatment with some phenothiazines. Bratisl. lek. listy 42 no.10: 590-596 '62.

1. Z Psychiatrickej katedry Ustavu pre doskol'ovanie lekarov v Prahe, veduci doc. MUDr. J. Prokupek, a z Psychiatrickej liecebne v Prahe 8.-Bohnicach, riaditel' MUDr. K. Dobisek.
(PHENOTHIAZINES) (DEPRESSION) (PSYCHOSES TOXIC)

BASTECKY, J.

Effect of melleril on the stabilization of remission in endogenous depression. Cesk. psychiat. 59 no.2:110-111 Ap '63.

1. Psychiatricka lecebna v Prase 8.
(DEPRESSION) (THIORIDAZINE)

LAURENTOVA, J.; BASTECKY, J.; ECKERTOVA, J.; ZAPLATILKOVA, H.

Use of reactions to psychopharmacological agents in the urine
in psychiatric practice. *Activ. nerv. sup.* 5 no.2:195-197
My '63.

1. Psychiatricka lecebna, Praha.

(MENTAL DISORDERS) (URINE) (CHLORPROMAZINE)
(TRANQUILIZING AGENTS) (THIORIDAZINE)
(PROCHLORPERAZINE) (PERPHENAZINE)
(LEVOMEPRMAZINE) (IMIPRAMINE)
(MEPROBAMATE) (PROMETHAZINE)
(GUALIACOL GLYCERYL ETHER)
(PSYCHOPHARMACOLOGY)

BASTECKY, J.; JANIK, A.

Mania-like syndrome after Tofranil. Bratisl. lek. listy 2
no.10:602-609 '63.

1. Psychiatricka liecebna v Prahe 8; riaditel: MUDr.K.Dobisek.

*

BASTECKY, Jan, prof., DrSc., MUDr.

Contribution to the diagnosis and therapy of lymphogranuloma.
Sborn.ved.prac.lek.fak.Karlov.Univ.(Hrad.Kral.) 6 no.3:335-
344 '63.

1. Prednosta radiologicke kliniky, Universita Karlova.

*

BASTECKY, J.

Acute poisoning with psychomimetics. *Activ. nerv. sup.* (Praha)
6 no.2:166-167 '64.

1. Vyzkumny ustav psychiatricky, Praha.

BASTECKY, J.; CHVOJKA, Z.

Modification of the Vinohradsky gynecological radiation method
in telecobalt therapy. Cesk. radiol. 18 no.6:361-367 N '64.

1. Katedra radiologie lek. fakulty Karlovy University v Hradci
Kralove, (vedouci prof. dr. J. Bastecky, DrSc.).

VINAR, O.; BASTECKY, J.; BOROVICKOVA, B.; ZICHOVA, M.; MALAC, V.

Method of delayed auditory feedback in psychiatry. *Activ. nerv. sup. (Praha)* 7 no.2:193-195 '65

1. Psychiatric Research Institute, Prague; Laboratory of Phonetics of the Institute of Czech Language of the Czechoslovak Academy of Sciences Research Institute c Electroacoustics.
2. O. Vinar's address: Praha 8, Bohnice 95.

L 13161-66 EWA(j)/EWA(b)-2 RO

ACC NR: AP6005685

SOURCE CODE: CZ/0079/65/007/002/0193/0195

AUTHOR: Vinar, O.; Bastecky, J.; Borovickova, B.; Zichova, M.; Malac, V. 34/B

ORG: Psychiatric Research Institute, Prague; Laboratory of Phonetics, Institute of Czech Language, CSAV; Research Institute of Electroacoustics

TITLE: Method of delayed auditory feedback in psychiatry [This paper was presented at the Third Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions held in Mariánské Lázně from 19 to 23 October 1964]

SOURCE: *Activitas nervosa superior*, v. 7, no. 2, 1965, 193-195

TOPIC TAGS: psychiatry, drug effect

ABSTRACT: The importance of speech functions in the investigation of psychic functions is discussed. The arrangement designed by the authors allows a person to hear his own voice with a delay of 1/10th of a second. Disturbances caused by this arrangement were investigated in healthy people, in healthy people under the influence of lysergic acid diethylamide, and in schizophrenics. Speed of reading, vocal intensity, frequency of errors, and activity of mimic muscles were registered. The results obtained by the authors seem suitable for the evaluation of psychiatric patients and psychotropic drugs. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 06, 05 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 006

Card 1/1

NW

L 29412-66

ACC NR: AP6019971

SOURCE CODE: CZ/0079/65/007/003/0256/0256

AUTHOR: Vinar, O. (Prague); Bastecky, J.

22
B

ORG: Psychiatric Research Institute, Prague

TITLE: Clinical Experience with vesitan ²² [This paper was presented at the 7th Annual Psychopharmacological Meeting, Jesenik, 20-23 January 1965]

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 256

TOPIC TAGS: psychoneurotic disorder, drug treatment

ABSTRACT: Vesitan is a combination of a phenotazine derivative thiopropazate (10mg) with chlorphencyclane (15 mg); it is supposed to decrease the side effects of the neuroleptic. 31 female schizophrenics, 19 of them suffering from the paranoid form, were treated with the drug. An excitatory action was often observed: withdrawn apathetic patients began to be interested in social activities and in occupational therapy. Vesitan is suitable for maintenance therapy in outpatients. Orig. art. has: 1 figure. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 NC

L 29519-66

ACC NR: AP6020019

SOURCE CODE: CZ/0079/65/007/003/0302/0303

AUTHOR: Vinar, O. (Prague); Bastecky, J.; Borovickova, B.; Zichova, M.; Malac, V.

ORG: Psychiatric Research Institute; Laboratory of Phonetics, Institute of Czech Language, CSAV; Research Institute of Electroacoustics

TITLE: Delayed auditory feedback in ²²schizophrenia and ²²LSD induced state [This paper was presented at the 7th Annual Psychopharmacological Meeting, Jesenik, 20-23 January 1965.]

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 302-303

25
B

TOPIC TAGS: psychoneurotic disorder, behavior pattern, pharmacology

ABSTRACT: The authors tried to confirm a hypothesis that the disturbance induced by delayed auditory feedback is smaller in people who are more independent of exteroceptive signalization. 11 healthy subjects before and after administration of LSD and 13 schizophrenics were subjected to a series of tests. The results did not support the stated hypothesis. J. Noskova provided technical assistance. Orig. art. has: 1 figure and 1 table. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 001

Card 1/1 JS

CZECHOSLOVAKIA

BASTECKY, J.; Psychiatric Res. Institute (Vyz. Ust. Psych.), Prague.

"Incompatibilities of Psychotropic Drugs."

Prague, Activitas Nervosa Superior, Vol 8, No 3, Sep 66, pp
315 - 317

Abstract: Incompatibility of psychotropic drugs with other drugs, and with some foods is discussed. Incompatibility of monoamino-oxydase inhibitors with some antidepressive drugs and with cheese is described. Treatment of reactions to these combinations by infusions of physiological solution with glucose and corticoids is recommended. The interaction of chlorpromazine and alcohol, of monoamino-oxydase inhibitors and hypnotics, and the inhibition of this interaction by hydergine and cocaine are discussed. 14 Western, 2 Czech references.

1/1

- 69 -

PETLICKA, Jaroslav, ins.; BASTECKY, Vladimir

Detoxication and processing of spent sulfatic pickling
baths. Hut listy 19 no.10:720-724 0 '64.

1. Research Institute of High-Quality Steels, Prague.

PETLICKA, Jaroslav, inz.; BASTECKY, Vladimir

Treatment of Chváletice manganese raw materials by the hydrometallurgic method. Hut listy 19 no. 2: 117-122 F '64.

1. Vyzkumny ustav uslechnylych oceli, Praha.

BASTECKY, Vladimir; PETLICKA, Jaroslav

Heat pressure filtering installations. Chem prum 14 no.8:437
Ag '64.

1. Research Institute of High-Quality Steels, Prague.

L 63297-55

ACCESSION NR: AP9020876

CZ/0034/64/000/010/0720/0724

AUTHOR: Petlicka, Jaroslav (Engineer); Bastecky, Vladimir

TITLE: Detoxication and treatment of spent sulfate pickling baths

SOURCE: Hutnicke listy, no. 10, 1964, 720-724

TOPIC TAGS: pickling, sulfate, chemical neutralization, crystallization, sulfuric acid

ABSTRACT: Possibilities are discussed of detoxicating spent sulfate pickling baths by neutralizing and crystallizing ferrous sulfate hepta- and monohydrates, with subsequent treatment consisting mainly of sulfuric acid recovery. Utilization of the most important chemical and electrochemical treatment techniques as well as the use of ion exchangers is mentioned. Orig. art. has: 1 table, 8 formulas, 2 graphs.

ASSOCIATION: Vyzkumny ustav uslechtilych oceli, Prague (High-Grade Research Institute)

SUBMITTED: 00

ENGL: 00

SUB CODE: NH, GC

NR PEP SOW: 000

OTHER: 017

JPRS

Card 1/1

L 62733-65 EWP(t)/EWP(b) JD
ACCESSION NR: AP5021467

CZ/0034/64/000/011/0834/0834 17

AUTHOR: Radacek, B. (Engineer); Patlicka, J. (Engineer); Bastecky, V.; Kloc, K. Strubl, R. (Doctor of natural sciences)

TITLE: Method of removing metals, forming products subject to hydrolysis from solutions

SOURCE: Hutnicke listy, no. 11, 1964, 834

TOPIC TAGS: metal extracting, hydrolysis, acid catalysis

Abstract: The article describes Czechoslovak Patent Application Class 40a, 3/00, PV 5726-63, dated 18 Oct 1963. The

~~invention covers a method used in hydrometallurgical processes~~
where the ores are first leached with acid, the solution heated and oxidized under pressure, and precipitated products are separated. The invention covers a process whereby the solution is mixed under pressure with such an amount of the untreated ore that all the acid components of the solution can combine with the metal contained in the untreated ore.

Card 1/2

L 62733-65

ACCESSION NR: AP5021467

0

ASSOCIATION: none

SUBMITTED: 18Oct63

ENCL: 00

SUB CODE: MM

NO REF SOV: 000

OTHER: 000

JPRS

file
Card 2/2

L 3760-66 EWT(m)/EWP(t)/EWP(b) JD

ACC NR: AP5027868

CZ/0034/65/000/001/0072/0072

AUTHOR: Petlicka, J. (Engineer); Bastecky, V. 13
03

TITLE: Method of hydrometallurgical treatment of manganese-containing raw materials using sulfuric acid

SOURCE: Hutnicke listy, no. 1, 1965, 72

TOPIC TAGS: manganese, sulfuric acid, metal extracting 4

ABSTRACT: Article is an abstract of Czechoslovak Patent Application Class 40a, 47/00, PV 790-64, dated 12 Feb. 64. Raw material is leached by sulfuric acid. The solution is passed over a Catex column where Mn and some other metals for instance iron are adsorbed. The filtrate containing sulfuric acid is returned to fresh ore leaching. The catex is regenerated by treating with HCl; the eluate contains chlorides of the retained metals. Gaseous HCl is bubbled through the solution and crystals of Mn chloride are precipitated. The separated chloride is heated with water and decomposed according to reaction: $MnCl_2 + H_2O = MnO + 2 HCl$. Liberated HCl is returned to process. /Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 12Feb64

ENCL: 00

SUB CODE: MM

NR REF SOV: 000

OTHER: 000

JPRS

Card 1/1 SC

L 18148-66 EWP(t) IJP(e) JD

ACC NR: AP6010383

SOURCE CODE: CZ/0034/65/000/005/0356/0359

AUTHOR: Petlicka, Jaroslav (Engineer); Bastecky, Vladimir

ORG: Iron Metallurgy Research Institute, Prague (Vyzkumny ustav hutnictvi zeleza)

TITLE: Crystallization of ferrous sulfate monohydrate from spent pickling liquor at higher temperatures and pressures

SOURCE: Hutnicke listy, no. 5, 1965, 356-359

TOPIC TAGS: iron compound, sulfate, solubility, crystallization, temperature dependence, pressure effect

ABSTRACT: Ferrous sulfate crystallizes with 7, 4 or 1 molecule of water. Its solubility in water decreases with increasing temperature from 64.4°C to 160°C. Effect of higher temperatures, pressures and acid concentrations upon the crystals is evaluated. Experimental apparatus is described. Close to 160° it is possible to remove from the liquor nearly all the Fe and therefore acid can be recycled. Possible uses of ferrous sulfate are discussed. The authors thank Stanislava Kaplanova for carrying out the chemical analysis. Orig. art. has: 3 figures and 3 tables. [JPRS]

SUB CODE: 07, 20 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 001

Card 1/1 vmb

L 18510-66 EWP(t) LIP(c) JD
ACC NRI: AP6010257

SOURCE CODE: CZ/0034/65/000/003/0219/0219

AUTHOR: Hadacek, B. (Engineer); Strubl, R. (Doctor of natural sciences); Riha, V.;
Kloc, K.; Vessly, V.; Bastecky, V.; Petlicka, J. (Engineer)

ORG: none

TITLE: Method for treating phosphorus containing ferromanganese ores

SOURCE: Hutnicke listy, no. 3, 1965, 219

TOPIC TAGS: sulfuric acid, phosphorus, ferromanganese, oxidation

ABSTRACT: The article is an abstract of Czechoslovak patent application Class 18a 1/04 PV 6186, dated 9 Nov. 1963. The ore is repeatedly leached by sulfuric acid; the solution obtained has a pH of 1 - 3, and the reaction mixture is heated to 60 - 100°C, and at the same time oxidized by hydrogen peroxide; the oxidation is continued until the bulk of phosphorus is eliminated, when a new amount of ore is added, corresponding to the remaining P content in the ore. The content of Fe can be adjusted by addition of iron ore. The iron content in the filtrate may be adjusted by an oxidizing agent, such as a peroxide of manganese or hydrogen.

[JPRES]

SUB CODE: 07, 11 / SUBM DATE: none

Card 1/1 *[Signature]*

34
B

2

L 34149-66

ACC NR: AP6026046

SOURCE CODE: CZ/0034/66/000/003/0226/0226

AUTHOR: Bastecky, V.; Petlicka, J. (Engineer); Harmova-Rosova, E.; Srbkova, V. 20
B

ORG: none

TITLE: Method for an economical treatment of solutions containing metal ions by means of ion exchangers

SOURCE: Hutnicke listy, no. 3, 1966, 226

TOPIC TAGS: ion exchange, metallurgy

ABSTRACT: The article is a summary of Czechoslovak Patent Application Class 40a, 9/02, 40a, 47/00, PV 2792-64, dated 14 May 64. The invention is suitable preferentially for the treatment of highly concentrated solutions, such as may be found in treatment of ores, concentrates, slag, or chemicals, where a limitation of the recirculated liquid is an advantage. The basis of the invention consists in producing solutions at various levels of concentration, at recirculating them at suitable levels in a closed cycle, or using them for other purposes.

[JPRS: 36,646]

SUB CODE: 07,11/ SUM DATE: none

Card 1/1 1195

L 35944-66 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AP6027384

SOURCE CODE: CZ/0034/65/000/009/0680/0680

INVENTOR: Petlicka, J. (Engineer); Bastecky, V.; Hadacek, B. (Engineer);
Jelinkova, V. (Doctor of natural sciences); Kloc, K.; Vesely, V.
ORG: none

31

3

TITLE: Process for treating manganese or ²⁷ferro-manganese raw materials under simultaneous regeneration of sulfuric acid. Class 40a, No PV 1562-64

SOURCE: Hutnicke listy, no. 9, 1965, 680

TOPIC TAGS: manganese, ferromanganese, sulfuric acid, metallurgic process, chemical decomposition, calcination

ABSTRACT: The article is an abstract of Czechoslovak Patent Application Class 40a, 47/00, PV 1562-64, dated 18 March 64. The raw materials treated may be ores, concentrates, sludges, slags, or byproducts. The process is of a hydrometallurgical character; manganese or both manganese and iron are dissolved as sulfates, and these sulfates are treated according to the invention in such a manner that higher oxides of the respective metals are obtained under conditions of a simultaneous regeneration of the sulfuric acid. The sulfate is subjected to an attack by hydrochloric acid, or gaseous hydrogen chloride, or both of these at the same time; sulfuric acid is expelled, and the resulting chlorides of metals are precipitated as solids from the concentrated solution. The chlorides are decomposed by calcination and the regenerated HCl is returned to the process. [JPRS]

SUB CODE: 11, 16 / SUBM DATE: none

Card 1/1

BATENCHUK, Ye.N.; BIYANOV, G.F.

Construction of the Vilyuy Hydroelectric Power Station. Gidr.stroi.
31 no.4:3-7 Ap '61. (MIRA 14:5)

1. Nachal'nik Vilyuygesstroya (for Batenchuk). 2. Glavnyy inzhener
Vilyuygesstroya (for Biyanov).
(Vilyuy Hydroelectric Power Station)

BASTEYEV, V.I.

Oleo-pneumatic pump for machine-tool attachments. Mashinostroitel'
no, 4:27 Ap '61. (MIRA 14:4)

(Air pump)

KAPKOVA, Ya.I. [Kapkova, IE.I.], kand. tekhn. nauk; BASTEYEVA, N.D.
[Basteyeva, N.D. [Basteieva, N.D.]; RYABOSHTAN, D.I.

Effect of temperature on the properties and structure of polyamides.
Khim. prom.[Ukr.] no.1:11-14 Ja-Mr '65. (MIRA 18:4)

KOVACS-NAGY, Zsigmond, dr.; MELLES, Zoltan, dr.; BASTHY, Karoly, dr.

Tetanus post abortum. Orv. hetil. 97 no.14:388-390 1 Apr 56.

1. A Debreceni Orvostudományi Egyetem Igazságügyi Orvostani
Intézetének (igazgató: Okros, Sándor dr.) Mikrobiológiai
Intézetnek (igazgató: Jeney, Endre dr.) és a II. sz. Sebészeti
Klinikájának (igazgató: Ladányi, Józsa dr.) közleménye.

(TETANUS

post-abortion, case report (Hun))

(ABORTION, compl.

tetanus, case report (Hun))

BASTIAN, S.

BASTIAN, S. Reinforced-concrete bunker coatings hardened by the use of cast-iron shavings and filings. (Conclusion) p. 391. Vol. 11, no. 12, Dec. 1956. MATERIALY BUDCWLANE. Warszawa, Poland.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

Country : Poland H-13
Category :
Abs. Jour. : 46695
Author : Bastian, S.
Instit. :
Title : Additives Enhancing Water-Impermeability of Mortars and Concretes
Orig. Pub. : Mater. budowl., 1958, 13, No 9, 272-276

Abstract : Extensive comparative studies were carried out of Polish and foreign sealing additives and of their effect on properties of mortars and concrete. All of the investigated additives have the property of filling the interstices of mortar or concrete with a gel that is formed on hydration. Some of them, in addition, increase plasticity of mortar- and concrete mixes. The Polish additives "silikon" and "domplast" shorten somewhat the time of setting, while the German additive "ceresit" produces the opposite effect. All additive containing surface active substances increase the plasticity of freshly prepared mixes and thus decrease the

Card: 1/3

Country : Poland

H-13

Category :

Abs. Jour. :

46695

Author :

Institut. :

Title :

Orig Pub. :

Abstract : water/cement ratio. "Domplast" increases considerably the strength of specimens of mortar and particularly of concrete, whereas "ceresit" and "silikon" reduce it by 10-20% in comparison with specimens containing no additive. Water permeability of specimens containing "silikon" and "domplast" is substantially decreased (by 80-90%), while that of the "ceresin"-containing -- is increased (by 175%), which, as yet, remains unexplainable. Degree of water saturation of concrete containing "domplast" is decreased by 15%, while in all other instances it remains practically unchanged. At the same time the strength of "domplast"-containing specimens, in the saturated condition,

BASTIAN, Stanislaw, mgr inz.; GRUNER, Malgorzata, mgr inz.

Struggle against chemical aggression. Chemik 16 no.2:48-51 F '63.

1. Politechnika, Gdansk.

117 AND 118 CUBES
119 AND 114 CUBES
2

Melting diagrams of systems of formic acid and amines
B. I. Kozlov and N. A. Pashin. *Glasnik Khim. Društva*
Soc. 22 (Serb. soc. chim. Beograd) 12, 109-117(1947).

HCO₂H forms congruently melting equimol. compds.
with: phenylhydrazine (I), m. 101°; o-naphthylamine (II),
m. 127°; p-naphthylamine (III), m. 115°; benzidine (IV),
m. 225°; benzylamine (V), m. 81°. Eutectic points are,
resp. (comp. mole % HCO₂H): I 0.5°, 98; II 3°, 97 and
120°, 35; III -2.5°, 80 and 101°, 40; IV 113°, 20; V
-9°, 90. With diphenylamine, HCO₂H forms 2 liquid
layers, immiscible between 22 and 71 mole % HCO₂H.
A compd. HCO₂H.2PhNH₂ melts at about 51°. Compds.
are also formed with o- and p-toluidine, and with di-
benzylamine (m.p. not given). N. Thon

439-15A METALLURGICAL LITERATURE CLASSIFICATION
FORM 100-1000
CLASSIFICATION

CA

Nicotinoylbenzimidazole obtained from *n*-ethyl hy-

drogen quinolinate. Aleksandar M. Leko and Bogdan
Nestic, (Univ. Belgrade). *Pull. ser. chim. Belgrade* 14,
176-8 (1949) (English summary); cf. preceding abstr. — An
attempt to prep. nicotinoylbenzimidazole from 2-Et
II quinolinate (I) and *n*-C₂H₅(NH₂)₂ (II) gave nicotinoyl-
benzimidazole (III). It is suggested that heating causes
2 → 3 migration of Et (cf. Kirpal, *Moskva* 21, 957 (1900))
before the reaction with II occurs. Et 2,4-dimethyl-
quinolate, AcOEt, Et picolinate, and di-Et quinolinate
do not react with II. Equimol. amts. of I and II, heated
30 min. to 100°, give III, m. 221-3° (from Ac₂O).
S. Edmund Berger

BASTIC, H. L.

Chemical Abstracts
May 25, 1954
Organic Chemistry

2
C
2-(pyrid-4-yl)benzimidazole. H. L. Bastic. Bull. soc. chim., Belgrade 16, 141-6 (1951). A mixt. of isonicotinic acid (1.23 g.) and *o*-C₆H₄(NH₂)₂ (1 g.) is heated on a paraffin bath to 250° (20 min.), cooled, and dissolved in dil. HCl; H₂O (50 cc.) is added and the soln. is made alk. with NH₃. The ppt. is filtered off, dissolved in EtOH, and reprecip. with H₂O giving 2-(pyrid-4-yl)benzimidazole (72%), m. 214°.

H. L.

16-12-54

m4

BASTIC, B. D.

2-(4-Pyridyl)benzimidazole-3-carboxylic acid, A. M. Leko and B. J. Bastic, *Bull. soc. chim. Belgrade* 16, 175-8 (1951) *Chem. Abstr.* 46:2655. — A mixt. of raclomeronic acid (5.4) and α -C₁₁(NH)₂ (3.3 g.) is heated in a paraffin bath to 200° (20 min.), cooled, and dissolved in Ac₂O. After some time a yellow ppt. is formed, which is purified by dissolving in C₁₁, and pptg. with light petroleum. It consists of the *tartrate* of 2-(4-pyridyl)benzimidazole-3-carboxylic acid (45%), C₁₁H₉ON₂, m. 208-9°, which is warmed with 10 ml. of H₂O and 1 ml. of 0.25N KOH until the yellow color disappears. Dil. HCl is then added and 2-(4-pyridyl)benzimidazole-3-carboxylic acid (40%), C₁₁H₉O₂N₂, m. 258-9° is pptd. The acid heated in a paraffin bath to 280° gives 2-(4-pyridyl)benzimidazole, m. 214°. B. A.

BASTIC, B. ; GOLUBOVIC, V.

BASTIC, B. ; GOLUBOVIC, V. Condensation of quinolinic acid and phenol. p. 291.

Vol. 20, no. 5, 1955
GLASNIK
Beograd, Yugoslavia

So: Eastern European Accession Vol. 5 No. 4 April 1956

BASTIC, B. ; GOLUBOVIC, V.

BASTIC, B. ; GOLUBOVIC, V. Reaction products of quinolinic acid with 1, 8-naphthalenediamine. p. 317.

Vol. 20, no. 5, 1955

GLASNIK

Beograd, Yugoslavia

So: Eastern European Accession Vol. 5 No. 4 April 1956

BASTIC, B.; SAPERA, R.; GOLUBOVIC, V.

Reactivity of aromatic nitriles in condensations with o-phenylenediamine. p. 151.
(GEODETSKI LIST, Vol. 11, no. 1/2, Jan./Feb. 1957, Yugoslavia.)

SO: Monthly List of East European Accessions (EEAL) L, Vol. 6, no. 7, July 1957. Uncl.

BASTIC, Borivoje L.; PILETIC, Miroslav V.

Study of benzothiazoles, bezimidazoles, and benzoxazoles.
Pt. 1. Glas Hem dr 28 no.3/4:149-155 '63

1. Faculty of Technology, Institute of Organic Chemistry, Belgrade.

BASTIN, I.

Fire prevention in the projection of motion pictures. Pozh. delo
4 no. 7:3-4 J1 '58. (MIRA 11:8)

1. Zamestitel' ministra kul'tury Latvyskoy SSR.
(Motion-picture projection--Safety measures)

BASTIN, K.F.

STARTSEV, V.T.; RAZMAKHANIN, S.L.; YEGOROVA, V.M.; PASHANOVA, L.D.; YEVSEYEV, V.R.; BASTIN, K.F.; BELBORODOV, P.P.; DEDOV, N.D., red.

[Economy of Amur Province; a statistical manual] Narodnoe khoziaistvo Amurskoi oblasti; statisticheski sbornik. Blagoveshchensk, Amurskoe knizhnoe izd-vo 1957. 111 p. (MIRA 11:6)

1. Amur. (Province). Oblastnoye statisticheskoye upravleniye. 2. Statisticheskoye upravleniye Amurskoy oblasti (for all except Beloborodov, Dedov). 3. Nachal'nik Statisticheskogo upravleniya Amurskoy oblasti (for Beloborodov)
(Amur Province--Statistics)

BASTINA, P.I.; GRATSIANSKAYA, L.N.; KRASINSKAYA, G.F.; SYROMYATNIKOVA, Ye.N.;
EL'KIN, M.A.

Influence on the health of women of work connected with the frequent
carrying of small loads. Gig. i san. 26 no.6:33-39 Je '61.

(MIRA 15:5)

1. Iz Instituta gigiyeny truda i professional'nykh zabolevaniy
i Instituta okhrany truda, Leningrad.

(BRICKMAKING--HYGIENIC ASPECTS) (WOMEN--EMPLOYMENT)

BASTISTIC, Frano, ins.

Production of synthetic rubber in the world, and possibilities
of the same production in Yugoslavia. Kem ind 12 no. 11:
863-868 N '63.

BASTIUREA, G.; STOENESCU, F.

Epoxyresins for casting purposes in electrical engineering. p. 55.

ELECTROTEHNICA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din
Romania si Ministerul Energiei Electrice si Industrii Electrotehnice) Bucuresti,
Rumania. Vol. 7, no. 2, Feb. 1959

Monthly List of East European Accessions (EEAI) IC, Vol. 8, no. 7, July 1959

Uncl.

BASTIUREA, Gheorghe, ing. (Bucuresti); NISTOR, Gheorghe, ing. (Bucuresti)

Current transformers insulated in synthetic resins. *Electrotehnica*
II no.2:58-66 F '63.

1. Inginer principal la M.M.C.M. - Directia generala a industriei
electrotehnice (for Bastiurea). 2. Cercetator la Institutul de
Cercetari Electrotehnice (for Nistor);

Bastl, I.; Kirka, A.

A contribution to the biometry, occurrence, and growth of young huchens
from the waters and from artificial culture in the first year of their life. p. 41.

BIOLOGICKE PRACE, Bratislava, Czechoslovakia, Vol. 5, no. 4, 1959.

Monthly List of East European Accessions, (EEAI) LC, Vol. 8, no. 10, 1959 -Oct.
Uncl.

BASTL, Karel, ins.

Digital computer control. Energetika Cz 14 no.10:509 0 '64.

1. Energoprojekt, Prague.

BASTL, Karel

Electron tubes. Elektrotechnik 20 no.1:Suppl:4:93-104, lekce
Ja '65.

S/081/63/000/004/048/051
B156/B180

AUTHOR: Bastl, M.

TITLE: The effect of catalysts on the properties of organosilicon varnishes for flexible micaceous insulating materials

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 4, 1963, 641, abstract 4T290 (Bull. VUKJ, v. 15, no. 1, 1962, 9 - 17 [Slovak; summaries in Russ. and Eng.])

TEXT: The effect of a number of catalysts on the properties of the following organosilicon varnishes has been investigated: the Czechoslovakian SIL 200 and the British MS 994, both after aging at 250°C. It was found that addition of the naphthenates of Zn and Co (0.1 % Zn and 0.05 % Co) to SIL 200 provides the greatest increase in drying speed with the lowest shrinkage and electrical insulating properties similar to those of MS 994 containing 0.5 - 1 % of the British LS 15 catalyst. Other catalysts tested were lead naphthenate, K-39 (phenylalumosiloxane), triethanolamine, LS 5, butyl titanate, dibenzyl ether, and mixtures thereof. [Abstracter's note: Complete translation.]

Card 1/1

BASTL, Vladimir, MUDr.

Experience with mass preventive measures in the Rymarov region.
Cesk. gyn 19 no.5:353-355 Sept 55.

1. Primar gyn. -por. odd. OUNZ, Rymarov.
(GYNECOLOGICAL DISEASES, prevention and control,
in Czech.)

RUSU, V., dr.; VLADOIANU, I.R., dr.; CIOROIANU, Natalia, dr.; MUSCAN, S.,
dr.; FAUR, G., dr.; POPESCU, P. dr.; BASTON, Ileana; TOTESCU, E.,
dr.; RIVENSOF, Melania, dr.

Observations on several vases of salmonellosis rarely found in
our country. Microbiologia (Bucur) 9 no.5:417-424 S-0 '64

1. Lucrare efectuata in Institutul de microbiologie, parazitolo-
logie , epidemiologie "Dr.I. Cantacuzino" in colaborare cu
Inspectiile de Stat pentru igiena si protectia muncii din Iucures-
ti.

VAYNSHTOK, I.S.; NADAREYSHVILI, G.F.; RASTORGHIEV, B.P.

Ultrasonic pulse devices for studying concrete. Sbor. trud.
NIIZHalezobetona no.2:68-80 '59. (MIRA 15:1)
(Ultrasonic waves--Industrial applications)
(Concrete--Testing)

BASTORINA, L. N.
BOSTORINA, L. N.

Potochnaya sortirovka vagonov na vytyazhke (Sorting of cars in the switching yard by a continuous motion method, by) L. N. Bostorina i I. ~. Berkov. Moskva, Transzheldorizdat, 1952.

18 p. Diagr., Tables

SO: N/5
755.36
.B7

BASTORINA, L.N.

BASTORINA, L.N. (Yaroslavl'); REMENNY, A.S. (Yaroslavl')

New developments in the organization of movement of railroad cars. Zhel.dor. transp. 39 no.10:89 0 '57. (MIRA 10:10)

1.Glavny inzhener sluzhby dvizheniya Severnoy dorogi (for Bastorina). 2.Nachal'nik sluzhby dvizheniya (for Remenny).
(Railroads--Management)

SOLOV'YEV, Viktor Andreyevich, tokar-rastochnik; BASTOV, Viktor
Fedorovich, inzh.; KOVAL'ZON, F.P., red.; BARANOVA, N.N.,
tekhn. red.

[Manufacture and introduction of multipurpose attachments for
machining compound parts] Izgotovlenie i vnedrenie universal'-
nykh prispособlenii dlia obrabotki slozhnykh detalei. Moskva,
Proftekhizdat, 1961. 47 p. (MIRA 15:6)
(Machine tools--Attachments)

MOSOLOV, K.V.; ~~MASTOV~~, V.F.; IVANOV, R.F.; IPPOLITOV, A.G.;
MAREM'YANTCHEV, S.N.; DUMCHENKO, N.I., kand. tekhn.
nauk, retsenzent; ZAZERSKIY, Ye.I., inzh., retsenzent;
BARSKIY, M.E., kand. tekhn. nauk, red.

[Fundamentals of the mechanization and automation of
production processes] Osnovy mekhanizatsii i avtomati-
zatsii proizvodstva. Moskva, Mashinostroenie, 1964.
198 p. (MIRA 18:1)

BASTOV, Viktor Fedorovich; IVANOV, Rodion Prokof'yevich;
IPPOLITOV, Anatoliy Georgiyevich; MAREM'YANICHEV, S.N.;
MOSOLOV, K.V.; IONOV, V.N., red.

[Teaching of the fundamentals of production mechanization
and automation] Prepodavanie osnov mekhanizatsii i avto-
matizatsii proizvodstva. Moskva, Vysshaia shkola, 1965.
157 p. (MIRA 18:7)

18C 35
34

L 35031-65 EWT(m)/EWP(b)/EWP(t) JD

8/0286/65/000/005/0034/0034

ACCESSION NR: AP5008155

AUTHOR: Paton, B. Ya.; Dudko, D. A.; Medover, B. I.; Latash, Yu. V.; Maksimovich, B. I.; Shervchenko, A. I.; Stupak, L. M.; Gonsharenko, V. P.; Grigor'yev, I. P.; Fedushov, G. K.; Chudin, N. I.; Lubanets, I. A.; Yartsay, M. A.; Keys, W. V.; Tulin, N. A.; Kanel'nitskiy, V. G.; Privalov, E. T.; Pis'mennov, V. S.; Kholodov, Yu. A.; Byatroy, S. N.; Bastrakov, M. F.; Donets, I. D.; Silayev, A. Ya.

TITLE: Method of electroslag casting of ingots. Class 18, No. 168743

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 5, 1965, 34

TOPIC TAGS: ingot casting, ingot electroslag casting, electroslag melting, steel melting, alloy melting, metal melting

ABSTRACT: This Author Certificate introduces a method of electroslag casting of ingots in an open or protective atmosphere or in vacuum, in which slag is first melted in a mold with a nonconsumable or consumable electrode arc or plasma jet. To improve the metal quality and the ingot surface and to raise the yield, the molten metal or, if needed, the slag is poured into the mold through a hollow consumable or nonconsumable electrode (see Fig. 1 of the Enclosure). Orig. art. has: 1 figure. [ND]

Card 1/3

L 35031-65

ACCESSION NR: AP5008155

ASSOCIATION: Chelyabinskij metallurgicheskiy zavod (Chelyabinsk Metallurgical Plant)

SUBMITTED: 06Feb63

ENCL: 01

SUB CODE: 104, 1E

NO REF SOV: 000

OTHER: 000

ATD PRESS: 3215

Card 2/3

BASTRAKOV, T.

In the laboratory of automatic and remote control. Neftianik 6
no.12:16 D '61. (MIRA 14:12)

1. Institut Giprokazneft', g. Gur'yev.
(Oil fields--Equipment and supplies)
(Automatic control)

BASTRAKOV, V.P., tekhnolog

At the Yoshkar-Ola Repair Plant. Zashch. rast. ot vred. 1 kol.

8 no.8:32 Ag '63.

(MIRA 16:10)

БАСТРАКОВА, И. М.

PAGE 1 BOOK IDENTIFICATION 804/1979

Уральские спектроскопические исследования: I

Materials of the 3rd All-Union Symposium on Spectroscopy, Spectroscopy, 1968 G. (Materials of the Second Ural Conference on Spectroscopy, held in Perm-July, 1968) Perm, Metallurgizdat, 1979. 208 p. Serial title 14-1000. 1,000 copies printed.

Sponsoring Agency: Ural City Filial Institute of the USSR Academy of Sciences. Ural City Center of Scientific and Technical Information.

Ed.: Acad. Borisovich Bogoyavlitskiy and Genyally Perlovich Stepanov. Perm. 1979. 198 p.

PERIOD: This collection of articles is intended for spectral analysis laboratory workers at various and numerous metallurgical plants, and for laboratory personnel of the metal-working industry, geological and prospecting organizations, and related scientific research laboratories.

CONTENTS: The collection contains papers read at the second Ural Conference on the spectral analysis of various and numerous materials used in industry, ores, agglomerates, various types of waste, metallurgical products, etc. The materials of the conference include articles on the analysis of metals (including the determination of gases), ferroalloys, non-ferrous metals (including the determination of alloys), pure metals, etc. The present book has been compiled to disseminate the latest experience in working with various laboratories, and to report on the results of scientific research. The author thanks B. I. Ostrikov and N. K. Buravov. Almost all of the articles are accompanied by references.

Editor: A. A. and N. K. Ostrikov. Spectral analysis of silver-copper alloys from a standard of silver and of any silver-copper alloy 115

Rybnikov, A. A., V. I. Cherenkov, and V. D. Rogozhnikov. Methods of preparing standards for the spectral analysis of spray iridium and indium 125

Polukhin, N. I., A. B. Gulyaev, B. M. Petukhov, and I. P. Koryukhin. Spectral method of analyzing iridium and indium 128

Gulina, B. I. Spectrometric analysis of high-purity antimony 134

Shchegolev, N. S., and Ya. V. Zhurav. Some problems in the spectral analysis of bismuth, ores, and agglomerates 136

Pravitsyn, H. B., V. K. Lyubskiy, Ya. V. Zhurav, V. M. Shchegolev, and P. A. Yermolov. Possibility of using a Wilson source for the analysis of bismuth and agglomerates 146

Kryukov, B. P., and G. P. Fedorukhovich. Spectral determination of cadmium, vanadium, niobium, and calcium in agglomerate by the dilution method 159

Holman, Zhukov, and A. M. Gerasim. Determination of titanium in titanomagnetite and slag by the dilution method 157

Lashin, B. V. Spectral analysis in the ferroalloy industry 159

Radko, E. E. Investigation of certain characteristics of vaporization and evaporation of elements in assay with graphite crucibles in the spectral analysis of ores and minerals 166

Zaslavskiy, Ya. K. Effect of certain factors on the intensity of spectral lines in the nonconducting electrodeless lamp 170

Kolokolnikov, A. P., and Ya. D. Kuybyshev. Spectrographic determination of titanium and vanadium in titanite of ore breccias 176

Pokrovsky, V. G. Application of flame spectroscopy methods in the analysis of bismuth, ores, and minerals 180

Gallunov, B. B. Experience in organizing the spectral laboratory of the metallurgical plant 184

Iskenderkhan, T. S., O. D. Privalov, and A. P. Koryukhin. Spectral determination of lead and germanium in solutions of copper-milling plants 186

Kuznetsov, B. B. Spectral analysis of bismuth and alkaline metals used in the treatment of steel products 180

Radko, E. E. Low-voltage pulse-neutron generator for exciting spectra 181

Pokrovsky, V. G. Method of taking thin-layer background and deposits in analytical work at a plant spectral laboratory 184

Recommendations of the 3rd Ural Conference on Spectroscopy 202

WATNIN, M.S.

"Socialist competition for all-inclusive fuel and electric power economy."
Rab. energ., 2, no. 9, 1952.

S/131/60/000/04/10/015
B015/B008

AUTHORS: Kaybicheva, M.N., Tulin, N.A., Batrikov, N.F., Fadeyeva, N.I.

TITLE: Wall-blocks of Electric Steel-melting Furnaces From Scrap of Magnesite-chromite Bricks ✓

PERIODICAL: Ogneupory, 1960, No. 4, pp. 186-188

TEXT: Experiments with these wall-blocks which were carried out at the Chelyabinskiy metallurgicheskiy zavod (Chelyabinsk Metallurgical Plant) are described in the paper under review. The charge was produced by crushing scrap of used magnesite-chromite- and chrome-magnesite bricks. The chemical composition of the experimental charges is given in table 1 and their granulation in table 2. Various grades of steel were smelted in the furnace with magnesite-chromite wall-blocks, the temperature of the metal before tapping being between 1560 and 1640°. It is stated in conclusion that the stability of the magnesite-chromite wall-blocks rammed from scrap is not inferior to that of wall-blocks made from magnesite powder. Various other furnace parts can also be produced from ground scrap of used bricks. The consumption of metallurgical

Card 1/2

S/133/61/000/007/007/017
A054/A129

AUTHORS: Yartsev, N. A., Tulin, N. A., Bastrikov, N. F.

TITLE: Use of concentrate instead of ferrotungsten in the ChMZ

PERIODICAL: Stal', no. 7, 1961, 613 - 614

TEXT: When the metal bath is alloyed with ferrotungsten containing 70 - 73% tungsten, the quantity of tungsten that can be recovered from the bath is 85 - 95%, depending on the steel composition. The great losses in tungsten are due to its high specific gravity (19.32) and high melting point (about 3,380°C). Even at the maximum temperature of the molten metal tungsten will not melt entirely and part of it settles on the bottom of the bath. In order to reduce tungsten losses, tests were carried out in the Chelyabinskii metallurgicheskii zavod (Chelyabinsk Metallurgical Plant) with the cooperation of M. I. Shatalov, P. I. Puzikov, T. A. Broslavskaya and N. T. Privalov to try out replacement of ferrotungsten by a tungsten concentrate. The test meltings were made in a 5-ton arc furnace, the concentrate was added either during melting or in the charge. The latter method was found more efficient, both with regard to operational conditions and the utilization of tungsten, because when the concentrate is added to the charge tungsten can be re-

Card 1/3

Use of concentrate instead of ferrotungsten in the ChMZ

S/133/61/000/007/007/017
A054/A129

duced from wolframite during the melting of the bath. As reducing agent silicochrome '50' (49.2% Si and max. 30% Cr) was used, the charge consisted of 0.5 - 0.7% C, 2.70% Cr, 8.40% W and 0.60% Si, as prescribed for 3X2B8 (3Kh2V8) type steel. On the bottom of the bath 250 kg lime was added, next 400 - 500 kg ball-bearing steel scrap, low-carbon waste from the rolling shop, silicochrome, then again ball-bearing steel waste, and at the edge of the burden the tungsten concentrate. The melting of 3Kh2V8 steel takes 3 hours and 20 minutes. The finished metal contained: 0.33% C, 0.24% Mn, 0.23% Si, 0.017% S, 0.023% P, 2.34% Cr, 0.17% Ni, 8.36% W and 0.43% V. At a power-consumption of 686 kwh/t 5,040 tons of good quality steel were produced. The tungsten-concentrate has a high sulfur content (0.55 - 0.65%) which can be lowered by skimming part of the slag in the reduction period for 30 - 40 minutes after refining starts and adding fresh slag or by processing the slag with aluminum powder. The phosphorus content of the steel produced with the concentrate is lower than that of conventional steel, because the wolframite concentrate contains less phosphorus than ferrotungsten. The recovery of tungsten is less efficient when the carbon content decreases during smelting, it also depends on the excess amount of silicon and on the way in which the concentrate is fed into the bath. The use of wolframite concentrate instead of ferrotungsten re-

Card 2/3

Use of concentrate instead of ferrotungsten in the ChMZ

S/133/61/000/007/007/017
A054/A129

duces the cost of 1 ton of 3Kh2V8 steel by 44 rubles and 95 kopecks (new currency). If the new method is further improved, smelting time can be reduced by 10 - 15 minutes (which saves electric power), while all the tungsten can be recovered. The metal produced with the concentrate corresponds to the standards. The method is already applied on an industrial scale.

Card 3/3

TULIN, N.A.; BASTRIKOV, N.F.

Lining of low-capacity electric arc furnace. Metallurg 7 no.12:13-15
D '62. (MIRA 15:12)

(Electric furnaces)

(Refractory materials)

Country : USSR
Category: Soil Science Organic Fertilizers

J

Abs Jour: RZhBiol., No 14, 1958, No. 63114

Author : Pastrikova, M. Z.

Inst : Scientific-Research Institute of Agriculture of
the Krayniy North

Title : Perennial Lupine as a Siderate in the North Yenisey.

Orig Pub: Dyul. nauchno-tekhn inform. N.-1. in-t c. kh.
Krayn. Severa, 1957, No 3, 46.

Abstract: As a result of several years of selection work by
the Yartsevskiy supporting experimental base (Kras-
noyarskiy kray), a perennial blue lupine has been
developed which is used successfully as green
manure on the Yenisey North. The lupine flowers
and bears fruit under northern conditions in the

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J-51

Country : USSR
Category: Soil Science. Organic Fertilizers.

J

Abstr Jour: RZhDiol., No 14, 1958, No 53114.

first year, even with late sowing dates (June 10), and yields a seed crop of 20 centners/hectare during 4-5 years. In a 1954 experiment in which the lupine was plowed under in the year of its sowing in black fallow at a rate of 40 tons/hectare, a crop of spring wheat (23.7 centners/hectare) was obtained which was not inferior to that obtained from the same dose of rotted manure (23 centners/hectare). -- O. P. Medvedeva

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BASTRYKIN, A.N., kand.tekhn.nauk

Efficiency of using precast reinforced concrete supports in
constructing high-voltage electric lines. Trudy MIEI no.9:189-203
'58. (MIRA 11:6)
(Electric lines--Poles) (Precast concrete construction)

CHERNYAK, N.I. (Kiyev); BASTUN, V.N. (Kiyev)

Effect of the anisotropy of steel on the aspect of yield surface.
Prikl. mekh. 1 no.12:57-64 '65. (MIRA 19:1)

1. Institut mekhaniki AN UkrSSR. Submitted April 27, 1965.

Bastunskiy, M.A.
 AL'TSHULER, Z.Ye., inzh.; BASTUNSKIY, M.A., inzh.; BERSTEL', V.N., inzh.;
 BIRNBERG, I.E., inzh.; BOGOPOLSKIY, B.Kh., inzh.; BUKHARIN, S.I.,
 inzh.; GRESHTAYN, B.G., inzh.; GRINSHPUH, L.V., inzh.; DREYER, G.I.,
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 A.V., inzh.; KOZIN, Yu.V., inzh.; LEVITIN, I.P., inzh.; MEL'NIKOV,
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 N.A., inzh.; PASLUN, D.A., inzh.; PESIN, B.Ya., inzh.; PYATKOVSKIY,
 P.I., inzh.; RAZNOSCHIKOV, D.V., inzh.; ROZENOYER, G.Ya., inzh.;
 ROZENBERG, E.L., inzh.; ROYTENBERG, N.L., inzh.; RYABINSKIY, Ya.I.,
 inzh.; SYPCHEMKO, I.I., inzh.; TABACHNIKOV, L.D., inzh.; FEL'DMAN,
 M.S., inzh.; SHERAKHMAN, G.Ya., inzh.; SHTERMINGAS, M.S., inzh.;
 LEVITIN, I.P., otvetstvennyy red.; STEL'MAKH, A.N., red.izd-va;
 BEKKER, O.G., tekhn.red.

[Overall mechanization and automatization of production processes in
 the coal industry] Kompleksnaya mekhanizatsiya i avtomatizatsiya
 proizvodstvennykh protsessov v ugol'noi promyshlennosti. Pod red.
 I.U.V.Kozina i dr. Moskva, Ugletekhizdat, 1957. 82 p. (MIRA 11:3)

1. Gosudarstvennyy proyektno-konstruktorskiy institut. 2. Institut
 Giprougleavtomatizatsiya i Tekhnicheskogo Upravleniya Ministerstva
 ugol'noy promyshlennosti (for all except: Levitin, Stel'makh,
 Bekker)

(Automatic control) (Coal mining machinery)

VOLOTKOVSKIY, Sergey Andronikovich, prof.; BUN'KO, Viktor Aleksandrovich, dots.; BASTUNSKIY, M.A., inzh., retsenzent; SYPCHENKO, A.M., otv. red.; ZAKOVA, M.A., otv. red.

[Automation of industrial processes in ore dressing plants] Avtomatizatsiia proizvodstvennykh protsessov na obogatitel'nykh fabrikakh. Moskva, Izd-vo "Nedra," 1964. 281 p. (MIRA 17:6)

1. Glavnyy spetsialist Gosudarstvennogo proyektного instituta po avtomatizatsii ugol'noy promyshlennosti (for Bastunskiy).

Бастрыкин, А.Н.

BASTRYKIN, A.N., kand.tekhn.nauk

Industrial methods for the construction of bases for high-voltage
transmission line towers. Trudy MIEI no.8:145-159 '57. (MIRA 10:12)
(Electric lines--Overhead) (Foundations)

ACC NR: AP7005261

SOURCE CODE: UR/0003/67/000/001/0087/0088

AUTHOR: Bastrykin, A. N. (Docent; Candidate of technical sciences); Belikov, V. A. (Docent; Candidate of technical sciences); Zhadin, K. P. (Deceased; Docent; Candidate of technical sciences); Padalko, L. P. (Engineer)

ORG: Moscow Engineering-Economics Institute im. S. Ordzhonikidze (Moskovskiy inzhenerno-ekonomicheskii institut)

TITLE: Computers and education

SOURCE: Vestnik vysshey shkoly, no. 1, 1967, 87-88

TOPIC TAGS: ~~nonmilitary training~~, computer technique, *COMPUTER TECHNOLOGY, EDUCATION, MATHEMATICS, ECONOMICS*

ABSTRACT:

One of the problems encountered in training students of technical and economic institutes of higher education is the practical mastery of computer technology. To this effect, the authors describe the experience at the Moscow Engineering-Economic Institute, where for several years the Ural-4 has been used for diploma projects in the Electric Stations and Systems Department. The authors conclude that the use of mathematical methods and computers will help improve the methodical cooperation between the Mathematics, Computer Technology, and Engineering departments. In addition, it is now practical to create manuals of a new type so that the solutions to problems contained therein will require the application of computers. Such a manual is being

prepared.

SUB CODE: 09/ SUBM DATE: none/ ATD PRESS: 5114

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UDC: none

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Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 6, p 221 (USSR)

AUTHORS: Bast'yen, P., Am'lo, P. [Bastien, P., Amiot, P.]

TITLE: Hydrogen Embrittlement of Steel With Special Reference to Medium Containing Hydrogen Sulfide (Khrupkost' staley, vyzvannaya vodorodom, osobenno pod vozdeystviyem sredy, soderzhashchey serovodorod)

PERIODICAL: V sb.: 4-y Mezhdunar. neft. kongress. Nr 8. Moscow, Gostoptekhizdat, 1956, pp 124-136

ABSTRACT: An investigation is made of the effect of H saturation upon the brittleness of mild steel (0.1 and 0.08% C) resulting from saturation with H from a medium of wet H₂S, and also the influence of the structure of Cr-Mo and Cr-Ni-Mo steel on susceptibility to brittleness upon saturation with H. In the initial state the annealed wire withstood 20 and 24 bendings, C content being 0.1% and 0.08% C, respectively. After 24-48 hours in water saturated with H₂S, the number of bends required diminished to 8 or 9. Keeping the specimens in Hg or heating for one hour at 100°C after saturation with H restores the properties of the wire. Washing the wire with dry H₂S does not

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SOV/137-57-6-10944

Hydrogen Embrittlement of Steel (cont.)

result in embrittlement of the wire, neither does holding in benzene saturated with H₂S. Embrittlement is induced by solutions in which dissociation of H₂S into ions occurs. Steel subjected to cold deformation undergoes considerably greater embrittlement when saturated with H. The effect of the structure of the steel on its susceptibility to embrittlement was investigated with Cr-Mo steel of the following % composition: C 0.26, Si 0.23, S 0.007, P 0.012, Mn 0.44, Ni 0.25, Cr 1.02, Mo. 0.30 and with Cr-Ni-Mo steel of the following composition (%): C 0.37, Si 0.08, S 0.005, P 0.018, Mn 0.92, Ni 1.37, Cr 0.92, Mo 0.20. The specimens are heat treated in 12 different ways and are of the following structures: Granular pearlitic, flake pearlitic with flakes of various thickness, bainitic and martensitic with different degrees of tempering. Saturation with H is by electrolysis in normal HCl solution. Mechanical testing of the specimens is on a tensile testing machine at 1 mm/min. It is established that the minimum decline in plastic properties after H saturation is in specimens the structure of which is of maximum thermodynamic stability (granular pearlite, thin-flake pearlite); specimens with martensite structure exhibit the greatest degree of brittleness. Saturation with H under static loading is the most unsatisfactory condition in terms of the brittleness of steel. An explanation of the diminution in the ductility of steel is offered in terms of dislocation theory.

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N.K.

VYSHESLAVTSEV, Lev Valeriyevich, inzh.; BASTYNETS, Vladimir Mikhaylovich,
inzh.; SHTYNBOK, G.Yu., inzh., ved. red.; TSOPP, L.E., inzh.,
red.; SOROKINA, T.M., tekhn. red.

[Oscillators for the alignment of radio receivers]Generatory
dlya regulirovki radiopriemnikov. Moskva, Filial Vses. in-ta
nauchn. i tekhn. informatsii, 1958. 30 p. (Peredovoi nauchno-
tekhnicheskii i proizvodstvennyi opyt. Tema 36. No.P-58-4/2)
(MIRA 16:3)

(Oscillators, Electron-tube)
(Radio--Receivers and reception)