GEVORGYAN, B.A.; KATSMAN, X. Hay LIMONOV, G.Ye.; SANXOV, V.S.; KATKOV, V.P.; VINOGHADOVA, L.V.; MAMYKINA, A.D.; POPCV, G.I.; DOROKHOV, A.A.; FALEYEV, G.A., inzh., retsenzent; BOGATAYA, L.M., red.; ZARSHCHIKOVA, L.N., tekhn. red.

> [Press method for meat boning and deveining] Obvalka i zhilovka miasa pressovaniem. [By] B.A.Gevorgian i dr. Moskva, Pishchepromizdat, 1963. 31 p. (MIRA 16:8) (Meat industry---Equipment and supplies) (Sausages)

APPROVED FOR RELEASE: 06/13/2000

KATSMAN, Z.Ya.

Yarn count system for thrown silk ("Handbook on silk, reeling of cocoons and silk spinning" by GIZLEGPROM. Reviewed by Z.IA.Katsman). Tekst.prom. 19 no.8:91 Ag '59. (MIRA 13:1)

1. Nachal'nik laboratorii fabriki "Krasnaya krutil'shchitsa." (Silk manufacture)

APPROVED FOR RELEASE: 06/13/2000

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KORITYSSKIY, Ya. I.; KORNEV, I. V.; ODINTSOVA, A. P.; KATSMAN, Z. Ya.

PDKV apparatus for testing bobbins. Tekst.prom. 20 no.9:23-26 S 160. (MIRA 13:10)

 Sotrudniki Vsesoyuznogo nauchno-issledovatel'skogo instituta tekstil'nogo i legkogo mashinostroyeniya (for Koritysskiy, Kornev).
 Rabotniki fabriki "Krasnaya krutil'shchitsa" (for Odintsova, Katsman).

(Bobbins (Textile machinery) -- Testing)

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APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721130008-9"

· 新聞報告の意識で

ZHURAVLEV, A.M., inzh.; KATSMAN, Z.Ya., inzh.; KNYAZEVA, A.H., inzh.; SYANIROVA, L.N., inzh.; TJIRIL'SON, V.A., inzh.

Machanization of conveying operations at the "Krasnaia Krassia" is shchitsa" Plant. Mekh. 1 avtom.proizv. 19 nc.1s23-25 Js 165. (M. A. 18:3)

APPROVED FOR RELEASE: 06/13/2000

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CIA-RDP86-00513R000721130008-9"

GERSHENTSVIT, R.S.; Prinimali uchastiye:GERASIMOVA, studentka; ZELIKMAN, student; KATSNEL'SQN, student

Investigation of the stability of fat bases in pharmacy. Trudy Len.khim.-farm.inst. no.13:259-263 '62. (MIRA 15:10)

المراد المراجع معرجان

"1. Kafedra analiticheskoy khimii (zav. prof. V.P.Il'inskiy) Leningradskogo khimiko-farmatsevticheskogo instituta. (OILS AND FATS)

APPROVED FOR RELEASE: 06/13/2000

(統領部)開発にため ポトボト

EATSNEL'SON, A., inch. Standard designs of motortruck repair shops for province automotive transportation trusts. Avt. transp. 36 no. 7:20-22 J1 '58. (MIRA 11:8) (Motortrucks--Maintonence and repair)

APPROVED FOR RELEASE: 06/13/2000

KATSNEL'SON, A.A.; KHMEL'NIK, V.M.

Combination of glaucoma and acute highmoritis. Zdrav. Bel. 7 no. 4:75 Ap '61. (MIRA 14:4)

APPROVED FOR RELEASE: 06/13/2000

NHISNEL	~ 2 \sim
USSR/Physical	Chemistry - Crystals, B-5
Abst Journal:	Referat Zhur - Khimiya, No 1, 1957, 167
Authors	Ivernova, V. I., and Katsnel'son, A. A.
Institution:	Academy of Sciences USSR - Macaon Siste Univ
Title:	Distortions in the Crystal Lattice of Solid Solutions of Cobalt and Palladium in Iron
Original Periodical:	Dokl. AN SSSR, 1954, Vol 99, No 3, 391-394
	The distortions in the crystal lattices of Fe-Pd (4 at percent Pd) and Fe-Co (5, 10, 20, 30, 35, and 50 at percent Co) alloys have been studied. The existence of distortions and their nature were investi- gated by the weak sing of the atomic scattering function (f-curve) of the alloys indicated by comparing it with the values for the pure metals at various temperatures. The f-curve was calculated from X- ray photographs obtained by the standard powder method with Fe-K α and Co-K α radiation. An increase was detected in the distortion in Fe-Co alloys when the Co concentration was increased up to 20%, after
Card 1/2	
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STATE OF A DECK

USSR/Physics	- 1	Actals, Radiography
Card 1/1		Pub. 153-18/30
Author	:	Iveronova, V. I. and Katselson, A. A.
Title	:	Problem of Mosaic of Crystals in Polycrystalline Metals
Periodical	:	Zhur. Tekh. Fiz, 25, 696-699, 1955
Abstract	:	Starting with a certain annealing temperature of plasticity de- formed polycrystalline solid solutions, an intense growing of mosaic blocks occurs, leading to weakening of intensity of first lines of the radiogram. A method facilitating the separation of the extinction effect on variation of the ratio of line intensi- ties allows determining the distortion of the crystalline lattice. Six references, 3 foreign.
Institution	:	
Submitted	:	September 8, 1955

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KATSNelson, A.A	70-3-15/20
AUTHOR: Iveronova, V.I., Zvyag	in, A.P. and Katsnelson, A.A.
TITLE: The distortion of the (Iskazheniya kristalli rastvorakh)	crystal lattice in solid solutions. cheskoy reshetki v tverdykh
PERIODICAL: <u>"Kristallografiya"</u> Vol.2, No.3, pp. 4	(Crystallography), 1957, 14 - 418 (U.S.S.R.)
ABSTRACT: The values of the me atoms were calculated by solution. A comparison of the experimentally measur values of U _{st} determine magnitude with the calcul ally required proportions radii is not observed. An this divergence is given comparison of the values the short-range order, do the background of the X-3	an square static displacement of means of the elastic model of solid of the results of calculations with red values of U _{st} . are given. The d experimentally agree in order of lated values; however, the theoretic- lity in the difference of atomic analysis of the probable causes of The most essential must be the of the mean square displacements with etermined according to the intensity of
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	ne se sense a la sense de l La sense de la s La sense de la s
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CIA-RDP86-00513R000721130008-9

KATSNel SON, A.A.

AUTHOR: Katsnel'son, A.A.

70-5-26/31

TITLE: Monochromatization of the Reflected Beam of X-rays (Monokhromatizatsiya otrazhennogo puchka rentgenovskikh luchey)

PERIODICAL: Kristallografiya, 1957, Vol.2, No.5, pp. 700-702 (USSR)

ABSTRACT: Because of the excitation of fluorescent radiation, it is normally impossible to obtain satisfactory measurements from Fe-containing specimens in the YPC-50-N diffractometer when Cu radiation is employed with a crystal monochromator between the anode and the specimen. The Geiger counter arm of the diffractometer was modified by the insertion between the counter and the specimen of a pentaerithritol crystal with the appropriate slit assemblies so that monochromatisation took place after the X-rays had been scattered by the specimen. In this way, all radiation, and in particular the incoherent, characteristic fluorescence radiation excited by the incident rays, which was not of the wavelength for which the monochromator was set could be excluded. Sample traces are given showing the improved line to background ratios which result when using this arrangement for an Fe specimen and incident radiation from a Cu anode. The integrated intensity of the 211 line of Fe rose from 400 to 600 Card1/2mpulses and the nearby background fell from 6 000 to 800 impulses.

APPROVED FOR RELEASE: 06/13/2000

Monuchromatisation of the Reflected Beam of X-rays. 70-5-26/31

The overall tube to counter distance is reduced by about 15% as compared with the corresponding distance in the commercial model.

There are 2 figures and 3 references, 1 of which is Slavic.

ASSOCIATION: Moscow State University 1m. M. V. Lomonosov (Moskovskiy Gosudarstvennyy Universitet im. M. V. Lomonosova).

SUBMITTED: January 13, 1957.

AVAILABLE: Library of Congress. card 2/2

Section of

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721130008-9

KATSNEL'SON A A Zhuravlev, N.N. and Katsel'son, A.A. AUTHORS: TITLE: An X-ray Diffraction (Fowder) Camera for Studying Crystals in the Temperature Interval - 175 to +300 °C (Rentgenovskaya kamera dlya issledovaniya kristallov v intervale temperatur - 175 - + 300 °C) PERIODICAL: Kristallografiya, 1958, Vol 3, Nr 5, pp 632-634 (USSR) ABSTRACT: An X-ray powder camera of simplified but conventional design is described. A detachable side plate can carry either a tube for blowing cold air evaporated from liquid air in a dewar flask by a submerged heater or a heating coil embedded in a ceramic tube. In each case, the temperature is measured to ± 10 °C by a thermocouple mounted as close to the specimen as possible and a radiation screen protects the film. There is no provision for controlling the atmosphere surrounding the specimen, nor apparently, for adjusting the position of the specimen. As a check, the temperature factor for metallic nickel was measured at 215 , 20 and -175 °C. $B_{(215, -175)}$, $B_{(20, -175)}$ and $B_{(215, 20)}$ had the Card 1/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721130008-9"

An X-ray Diffraction (Powder) Camera for Studying Crystals in the Temperature Interval -175 to +300 C experimental values of 0.42, 0.20 and 0.22, as compared

experimental values of 0.42, 0.20 and 0.22, a compared with the corresponding theoretical values of 0.43, 0.17 and 0.26. There are 3 figures, 1 table and 3Soviet references.

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

SUBMITTED: December 9, 1957

Card 2/2

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721130008-9"

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AUTHORS : TITLE :	SOV/70-4-1-4/26 Iveronova, V. I. and <u>Katsnel'son</u> , A. A. Short-range Order and Characteristic Temperature of the Alloy Ni ₃ Pt (Blizhniy poryadok i kharakteristicheskaya temperatura splava Ni ₃ Pt)
PERIODICAL	: Kristallografiya, 1959, Vol 4, Nr 1, pp 25-29 (USSR)
ABSTRACT:	Parallel measurements of short-range order and character- istic temperature of the alloy Ni ₂ Pt have been made. It has been established that annealing for four hours at 700°C after plastic deformation leads to an increase in characteristic temperature and short-range order. It is proposed that changes in the characteristic temperature should not be connected only with changes in short-range order. A hypothesis on the influence of "the Cotterell atmosphere" in changing the characteristic temperature in certain alloys is enunciated. The polycrystalline Ni ₂ Pt specimens were prepared by melting in an h.f. furnace under argon. They were homogenised for 50 hours at 900°C. The concentration of 25.5 at.% Pt was found from the lattice dimensions.
Card1/3	Plastic deformation was produced by coarse polishing

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Short-ran Ni _z Pt	ge Order and Characterist	SOV/70-4-1 c Temperature of		оу
1 ÷ j	and was followed by 1 and furnace. The diffuse so URS-50I diffractometer we in the reflected beam. to (a) scattering connect positions of atoms in the segregation, etc.), (b) displacements because of of the components, and (of the tails of the line plastic deformation. The their different angular temperature was measured (Zr-filtered Mo radiation For various treatments to	attering was meas with FeK, radiatio The diffuse scatt ted with correlat a scattering due to differences in t c) scattering fro as due to lattice dependences. Cha from powder phot on) taken at +20 t the results were:	ured wit n monoch ering is ion in t nge orde atomic he atomi m the ov distorti d becaus racteris ographs c160 C	h a romatised due he r, c radii erlapping on on e of tic
	Plastically deformed α_1	$= -0.06\pm0.02, n_{1}^{Pt}$	¹¹¹ =9.5,6	$=315^{\circ}+15^{\circ}$
Card2/3	Plastically deformed α _l Annealed 700 ⁰ l hour "700 ⁰ 20 hours Fully ordered Fully disordered	-0.19 <u>+</u> 0.01, -0.18 <u>+</u> 0.01, -0.33	10.7, 10.7, 12.0	450°+50° 360°+20°
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Short-range Order and Characteristic Temperature of the Alloy
Ni₃Pt
Here α₁ is the short-range order parameters for the
first sphere, n¹tN1 is number of Ni atoms in the first
sphere round a Pt atom. In the plastically deformed
state O agrees within the experimental limits with $\begin{bmatrix} \frac{3}{4} & m_{Ni} + \frac{1}{4} & m_{Pt} \end{bmatrix} \Theta^2 = \frac{3}{4} & m_{Ni} \Theta_{Ni}^2 + \frac{1}{4} & m_{Pt} \Theta_{Pt}^2,
where m_{Ni} and m_{Pt} are the atomic concentrations.
There are 1 figure, 1 table and 21 references, 13 of
which are Soviet, 4 English and 4 international.
ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni
M. V. Lomonosova (Moscow State University imeni
M. V. Lomonosov)
SUBMITTED: July 10, 1958
Card3/3$

APPROVED FOR RELEASE: 06/13/2000

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AUTHOR:	Katsnel'son, A.A.	s/055/59/000/04/014/026 B014/B005
TITLE:	Investigation of the Temperature Dependen in the Alloy $\underline{Ni_2Pt_j}$	ace of the Short-range Order ¹⁸
PERIODICAL:	Vestnik Moskovskogo universiteta. Seriya astronomii, fiziki, khimii, 1959, Nr 4, p	matematiki, mekhaniki, op 131-140 (USSR)
ABSTRACT: Card 1/3	The investigations described here were can diffuse scattering of X-rays on polycryst characteristics of the short-range order the method, the author briefly explains t X-rays carried out by a pentaerythrite on X-ray tube (33 kv, 9 ma) and the MST-17 of was checked with pure Ni. The diffuse sca Compton background and a temperature back for both. The diagram in figure 1 shows to diffuse scattering obtained for pure defor The reduction of diffuse scattering on an deformation determined does not agree with Mitchell (Ref 7). It is stated that the with those found by formulas (1) and (2) been monochromatized. The experimental variant	tals. Quantitative were obtained. Describing the monochromatization of cystal. Details of the counter are given. The method attering is composed of a cground; formulas are given the measurement results of ormed and annealed samples. nnealing after plastic th the results found by experimental values agree if the reflected beam had

11-15 41-11

Investigation of the Temperature Dependence of the Short-range Order in the Alloy Ni_zPt S/055/59/000/04/014/026 B014/B005

ones if the primary beam had been monochromatized. The amount of this difference did not depend on the reflection angle. On the basis of these investigations, a method is suggested for determining the characteristic temperature by measuring the diffuse scattering. This determination is carried out for Ni according to the diagram in figure 3. Estimates of the root mean square deviation in plastically deformed Ni gave results that agreed with those found by other authors. Further it is shown that diffuse scattering in solid solutions can be represented as the sum of four terms. The first two are the temperature and the Compton scattering, further there is a term related with the short-range order, and a term related with the lattice distortions. As the first two terms can be assumed to be equal to those of pure metal, the experimental values easily define the portion referring to the last two terms only. Calculation of the parameters of the short-range order from the measurement results is carried out by the method of least squares of error, and explained. The above-described method may be used to determine the temperature dependence of the parameters of the short-range order. It was applied to the alloy Ni₃Pt, and it was shown that the parameter α_1 of the short-range order slowly decreases with increasing temperature. Finally, the author thanks V.I. Iveronova for her interest in the work and for the dis-

Card 2/3

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KATSNEL'SON, A. A., Cand Phys-Math Sci -- (diss) "X-ray investigation of parameters of the short-range order and the characteristic tempera-ture of Ni-Pt alloys." Moscow, 1960. 11 pp; (Moscow State Univ im M. V. Lomonosov, Physics Faculty); 150 copies; price not given; (KL, 17-60, 139)

KATSNELSON, A. A., IVERONOVA, V. I.

"Short Order and X-ray Debye Temperature of Ni₃Pt."

report presented at the Fifth International Congress of the International Union of Crystallography, Cambridge, UK, 15-24 Aug 1960.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721130008-9"

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24,7000	78101 SOV/70-5-1-10/30
AUTHORS:	Iveronova, V. I., Katsnel'son, A. A.
TITLE:	Short-Range Order and Characteristic Temperature of Ni ₃ Pt Determined According to the X-Ray Data
PERIODICAL:	Kristallografiya, 1960, Vol 5, Nr 1, pp 71-78 (USSR)
ABSTRACT:	Earlier studies by the authors and others have disclosed that short-range order parameter a ₁ , which charac-
	terizes the varying number of B atoms on the first sphere around an A atom, is not proportional to the characteristic temperature Θ_{X-ray} , determined
	according to the X-ray data. \ominus X-ray proved to
	increase during the initial brief period of annealing of Ni-Pt alloys and then to drop, while a ₁ having
	reached certain level remained constant in the course of further annealing even for 20 hr. The authors have now extended the study on the distribution of B atoms
Card 1/7	to the second sphere around A atoms and sought to

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	78101 SOV/70-5-1-10/30
ne X-Ray Data	
determine a_1 and a_2 as fun	ctions of the mean square
	ments at varying tempera- ealing. Ni ₃ Pt was obtained
for 50 hr, checked for com	position measuring identity .
plastically by rough grind	ing, annealed at 700 ⁰ C to
	cuum better than 0.001 mm, ix the achieved state. The
X-ray diffraction photogra	phs were taken at 20 and
	the computations were based (Fig. 1) at glancing angles
	in which two maxima The increase of annealing
	in a high-frequency furnac for 50 hr, checked for com- period, cut into plates of plastically by rough grind 1.050° C for 20 hr under va and quenched in water to f X-ray diffraction photogra -160° C with Mo radiation; on diffuse scattering data ($\frac{1}{100}$) from 7 to 42°, with



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Short-Range Order and Characteristic Temperature of Ni Pt Determined According to the X-Ray Data

78101 SOV/70-5-1-10/30

reduce a1 and increase a2. The improved order in the structure after annealing is more precisely defined by the sum Δ $\overset{\text{PtN1}}{=}$ + Δ $\overset{\text{PtN1}}{=}$ n₂ , the terms of which, respectively, denote the numbers of N1 atoms on the first and second spheres around Pt in excess of the respective numbers before annealing (disordered state). The first term reaches a maximum within an hour of annealing at 700° C and then remains constant, while the second term (a negative value) continues to rise even after 20 hr. Annealing at 1,000° C establishes the second term also at a maximum, pointing to the restoration of order and equilibrium in the deformed alloy within both spheres. The higher the temperature of annealing, the sum approaches zero in both cases. At lower temperatures the sum shows a sharp maximum at brief annealing.

Card 4/7

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CIA-RDP86-00513R000721130008-9

Short-Range Order and Characteristic 78101 SOV/70-5-1-10/30 Temperature of NizPt Determined According to the X-Ray Data This obviously is an effect of bond energy W_{P}^{NiPt} which forces Ni atoms to move from the third sphere and to concentrate on the second, while greater atomic mobility at a higher temperature provides for rapid motion of Ni atoms into the first sphere at the expense of the second, where consequently no Ni concentration takes place. The first term becomes sooner stabilized at a constant value since the constant in this case means the establishment of equilibrium between only two spheres, while the second term involves the equilibrium between first, second, and third spheres. The table below demonstrates that characteristic X-ray changes proportionally to the temperature above sum. The sixth column shows mean squares of dynamic atomic displacements whose increase with the temperature and duration of annealing reduces the sum. Card 5/7 Thus, a, cannot define characteristic temperature alone APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721130008-9"

<u></u>			
Card 6/7			•
SUBMITTED:	July 2, 1959		
ASSOCIATION:	since both a_1 and a_2 affec $\Delta PtNi + \Delta PtNi$ define $n_1 n_2$ are 4 figures; 1 table; an 1 Danish, 1 U.S. The U.S. B. L. Aberbach, B. W. Robe 1493-1496 (1951). Moscow State University im (Moskovskiy gosudarstvenny) Lomonosova)	s it accurately. There d 12 references, 10 Soviet, is: B. E. Warren, rts, J. Appl. Phys, 22, eni M. V. Lomonosov	
According to t	he X-Ray Data		·
Temperature of	rder and Characteristic Ni ₃ Pt Determined	78101 SOV/70-5-1-10/30	

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CIA-RDP86-00513R000721130008-9

Short-Range Order and Characteristic Temperature of N13Pt Determined According to the X-Ray Data

78101 SOV/70-5-1-10/30

 $\Delta n_1^{\mathrm{PtNi}}$ $\Delta n_2^{\rm PtN1}$ Lhr. Ant + Ang PINI T. °C u¹ (Å¹) 0" K 700 800 20 20 20 1,4 1,1 $^{0.3}_{0.3}$ 0,011 330 1,4 1,4 1,3 1,1 5 0,6 1,4 1,4 1,4 --1,1 --1,1, 900 1050 -----2 $\tilde{20}$ -1,3 0,016 0,014 0,006 0,011 270 me cl 1 20 deto 280 -0,9-1,1-1,1700 410 330 700 $0,3 \\ 0,3$ 70) 50

Table

Card 7/7

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CIA-RDP86-00513R000721130008-9

S/070/60/005/005/024/026/XX E132/E160 AUTHORS: Iveronova, V.I., and Katsnel'son, A.A. TITLE: The Methodology of Measuring the Intensity of the Diffuse Scattering from Polycrystalline Materials PERIODICAL: Kristallografiya, 1960, Vol.5, No.5, pp. 795-797 TEXT: Measurement of the diffuse scattering from powders is more difficult than from single crystals. A method must have three elements: a means for excluding the parasitic components of the background (white radiation, fluorescence, K_{β} lines, harmonics of the lines, scattering by materials other than the specimen); a means of measuring the background with at worst 2-3% error; the possibility of putting background intensity measurements on an absolute (electron units) scale. A technique has been worked out for measuring diffuse scattering using a YP(-50W (URS-50I) diffractometer without employing a vacuum camera. Radiation incident on the specimen is monochromatized by reflexion (002 plane) from a crystal of pentaerithritol (where harmonics (004, 006 intensities) are very low. A counter with some discrimination against unwanted wavelengths is used. Specimens were pressed into a plate 18 x 14 x 2 mm without binder. Air scatter was reduced with a special collimating system Card 1/2

APPROVED FOR RELEASE: 06/13/2000



APPROVED FOR RELEASE: 06/13/2000

BODNEVA, Ye.I.; KATSNEL'SON, A.A.

Width of a microphotometer slit during the photometric recording of the light intensity of roentgenograms. Zav.lab. 26 no.8:1014-1015 '60. (MIRA 13:10)

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1. Moskovskiy gosudarstvennyy universitet in. M.V.Lomonosova. (Photometry) (X rays)

APPROVED FOR RELEASE: 06/13/2000

and the second s/126/61/011/001/004/019 E032/E314 Iveronova, V.I. and Katspel'son, A.A. AUTHORS : The Dimensional Effect in X-ray Diffraction by TITLE: Polycrystalline Materials PERIODICAL: Fizika metallov i metallovedeniye, 1961, Vol. 11, No. 1, pp. 40 - 45 TEXT: Diffuse scattering by polycrystalline alloys, whose atoms are displaced from their ideal positions in the lattice, has been treated by Warren et al (Ref. 1) and Gouska and Averbach (Ref. 2). However, these authors assumed that the magnitude of the displacements depends only on the type of the atoms under consideration and not on the type of their nearest neighbours. Krivoglaz (Ref. 3) has also treated this problem without the introduction of the above restrictions. However, the latter author was concerned only with the diffuse background in the neighbourhood of reflections. The present authors extend the theory of diffuse scattering by polycrystalline materials to any angles of reflection. The discussion is based on the formula: Card 1/4

CIA-RDP86-00513R000721130008-9



S/126/61/011/001/004/019 E032/E314

The Dimensional Effect in X-ray Diffraction by Polycrystalline Materials

dimensional effect. Expressions are derived for the intensities of diffusely scattered X-rays associated with the above two effects. The intensity associated with the first of these effects is found to be a quasiperiodic function of the angle of reflection and is in qualitative agreement with the results of Warren et al (Ref. 1). In the case of the second effect the intensity increases with angle. It is found that the positions of the maxima and minima in these distributions depend on the type of crystal lattice, the scattering power and radii of the atoms of the short-range order parameters. There are 3 figures and 7 references: 3 Soviet and 3 non-Soviet.

Card 3/4

APPROVED FOR RELEASE: 06/13/2000

	S/126/61/011/001/004/019 E032/E314
The Dimensiona	Effect
ASSOCIATION:	Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova (Moscow State University im. M.V. Lomonosov)
SUBMITTED:	June 24, 1960
Card 4/4	
IVERONOVA, V.I., KATSNEL'SON, A.A.

Short-range order and physical properties of single-phase solid solutions (survey). Zav.lab. 27 no.ll:1354-1361 '61. (MIRA 14:10) 1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova. (Solutions, Solid)

APPROVED FOR RELEASE: 06/13/2000

IVERONOVA, V.I.; KATSNEL'SON, A.A.

Determination of the characteristic temperature based on the diffuse scattering of polycrystals. Kristallografiia 7 no.4: 616-618 Jl-Ag '62. (MIRA 15:11)

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1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova. (Crystals--Thermal properties)

APPROVED FOR RELEASE: 06/13/2000

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IVERONOVA, V.I.; KATSNEL'SON, A.A.

Effect of preliminary treatment on the kinetics of short-range ordering. Issl.po zharopr.splav. 8:9-13 '62. (MIRA 16:6) (Nickel-platinum alloys--Metallography)

APPROVED FOR RELEASE: 06/13/2000

IVERONOVA, V.I.; KATSNEL'SON, A.A.

Effect of preliminary treatment on the short-range order in the Ni₃Pt alloy. Ukr. fiz. ahur. 8 no.2:251-256 F '63. (MIRA 16:2)

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1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. (Nickel-platnium alloys)

APPROVED FOR RELEASE: 06/13/2000

IVERONOVA, V.I.; KATSNEL'SON, A.A.

Effect of short range order on the hardness and characteristic temperature of Ni₃Pt. Fiz. met. i metalloved. 13 no.2:317-319 F '62. (MIRA 15:3)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. (Nickel-platinum alloys--Thermal properties)

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KATSNEL'SON, A.A.

Effect of the relief and adjustment of specimen surfaces on the intensity of diffusion scattering. Fiz. met. i metalloved. 13 no.5:681-685 My '62. (MIRA 15:6)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova. (Powder metal processes) (X rays-Scattering)

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ACCESSION NR: 493000785	S/0070/63/008/0 03/0263/0266
AUTHOR: Iveronova, V. I.;	Katenel'son, A. A.
TITLE: Diffuse and double	Bragg scattering of polycrystalline copper
SOURCE: Kristallografiya,	v. 8, no. 3, 1963, 463-465
TOPIC TAGS: scattering, Co extinction	empton effect, thermal scattering, Cu, secondary
pressure of 1-2 tons/3q on, and in sintered samples was samples, often loss basins sit the samples supposed touche image stationing. T interime that contening ()	nor in cakes of powder pressed at room temperature for in cakes pressed at 8000 and pressure of a contraction sused. The results show that spattering the contraction of 5000, which is to thermal and the contraction symples annealed at 400, substitution of merauthors discovered a relation letter to the secondary evidential
in the grains, each grain h of units in the zone of sea scattering disappear. In t	the pressed bakes tobause of level one of the total second percentially a <u>single crystal</u> (* The total second seconds small and conditions for low-to- the sintered samples this situation does not arise, and the sintered samples this diffuse scattering by

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dense polycrystals is appreci 3 figures.	ably disturbed by the structure.	Orig. art. bas:
ASSOCIATION: Moskovskiy gosu (Moscow State University)	darstvenny*y universitht im. M. V.	, Lota provine
SUBMITTED: 05Jul 52	DATE ACQ: 21 Jun 63	ENGL: CC
SUB CODE: 00	NO REF SOV: 005	OTHER: 108
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APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721130008-9"

"APPROVED FOR RELEASE: 06/13/2000 AFFTC/ASD JDEWT(1)/EWP(q)/EWT(m)/BDS/EED-2 L 13586-63 s/0070/63/008/0011/0600/0603 ACCESSION NR: AP3004097 AUTHON: Katsnel'son, A. A.; Yatskul'yak, K. 01 Co. Cr. and Sc solid solutions in lanthenum and TITLE: X-ray investigation of Al, praseodymium orthoferrites SOURCE: Kristallografiya, v. 8, no. 4, 1963, 600-603 TOPIC TAGS: lanthamum orthoferrite, praseodymium orthoferrite, aluminum ion, chronium ion, cobait ion, semudium ion, ferric ion, bismuth ion, solid solution, lattice spacing, inttice parameter, x-ray diffraction line. line broadening, coval at bond, magnetic anisotropy, coercive force, magnetic moment, lanthaman ferrate(III), preseodymium ferrite(III) ABSTRACF: The partial substitution of Al³⁺, Cr³⁺, Co³⁺, or Sc³⁺ for Fe³⁺ in lan-thanum (LaFeO₃) and praseodymium (PrPeO₃) orthoferrites [ferrates(III)], and the substitution of Bi ions for Pr ions simultaneously with the substitution of All' for Felt in PrFeG, have been studied by x-ray analysis to correlate the man magnetic properties previously observed with structural changes in them PrFeO, Experimental data on lattice spacing (d), witch, and latences x-ray diffraction lines were obtained with an RKU-114 camera and intra A-1400 to Cord 1/3

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recorded on film in the UNS-55 x-ray recorder. It was established that all complete and the structure on crystallization. The a, ', a ' eters of the momble stripe were found to decrease when A very situation for them and to increase when be?" was short t The changes were greatest along the b axis. Thus, the lattice str nearly cubic when Al3+ ions were substituted for 5-10% Fe3' or Co3' ions ior 10% Pest. On a further increase in Alat content, the symmetry moved away from the sills. When All' tons were substituted for Pelt, the totes lines with en meyers an of indices decremed and that of line. som of indicas remained inclanged; such phenomena were as above a State, or Continue were substituted for Pe^{3+} . An orderly arrangement of a fixed in the state sector and a difference between the state of the sector. eters of Pell and those of the substituting issue seen to be the to of the intensity decrease. The broadening yes observed a second scattering by the sample to be the cause of the line broadening. A protocological cell volume versus substituting-ion radius indicated a strengthening of the covalent bond in an orthoferrite lattice in which reat is purtable a by the tell Fluctuations in magnetic anisotropy and in coercive furce, observed stations of a Cord 2/3

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explained in terms of v netic sublattices. "S: proposing an interestin and to K. F. Belov, M. the data of their ourse	mations in the partially substituted I variations in the magnetic moments of incere appreciation is expressed to V, and subject of investigation and for variation A. Zaytseva, and A. M. Kalomtseva for est magnetic investigations evaluation lts." Orig. art, has; 1 figure and 1	the respective mag- , I. Iveronova for luable discussion mestados a
ASSOCIATION: Muskovski State University)	iy gosudarstvenny*y universitet im. M.	V. Lomonosova (Noscov
SUBMITTED: 05Mar63	DATE ACQ: 15Aug63	ENCL: 00
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KATSNEL'SON, A.A.

Effect of plastic deformation on the short-range order in Ni-Pt alloys. Fiz. met. i metalloved. 16 no.5:787-792 N '63. (MIRA 17:2)

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1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.

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ACCESSION NR: AP4011744 AUTHORS: Belov, K. P.; Iveronova, V. I.; Zaytseva, M. A.; Kadomtseva, A. M.; Katsnel'son, A. A.; Yatskul'yak, K. TITLE: Magnetic and structural properties of lanthanum orthoferrite during part replacement of Fe 3+ ions by other trivalent ions SQURCE: Fizika tverdogo tela, v. 6, no. 1, 1964, 101-107 SQURCE: Fizika tverdogo tela, v. 6, no. 1, 1964, 101-107 SQURCE: Fizika tverdogo tela, v. 6, no. 1, 1964, 101-107 SQURCE: Fizika tverdogo tela, v. 6, no. 1, 1964, 101-107 SQURCE: The second trive, Fe 3+, Al 3+, So 3+, Co 3+, thermoremanent magnetization lanthanum orthoferrite, Fe 3+, Al 3+, So 3+, Co 3+, thermoremanent magnetization lanthanum orthoferrite, Fe 3+, Al 3+, So 3+, Co 3+, thermoremanent magnetization and co ⁺³ . Thermoremanent magnetization of LaFeO ₃ cannot be reduced to zero even a field of 20 000 cersteds, but if Al ⁺³ ions replace some of the Fe ⁺³ ions (IAF Al _{0,1} O ₅), introduced by orthorhombic distortion of the crystal lattice, there Al _{0,1} O ₅ , introduced by orthorhombic distortion of the crystal lattice, there allows the second by the finely dispersed character of the cal. These changes may be explained by the finely dispersed character of the samples. The change in magnetic properties on substitution of the indicated in samples. The change in magnetic properties on substitution of the indicated in samples.	1
SQURCE: Fizika tverdogo tela, v. 6, no. 1, 1900; Lorenty, orthoferrite, lanthanum, TOFIC TACS: magnetic property, structural property, orthoferrite, lanthanum, lanthanum orthoferrite, Fe 3+, Al 3+, So 3+, Co 3*, thermoremanent magnetization magnetization intensity, hysteresis loop, crystal lattice magnetization intensity, hysteresis loop, crystal lattice ABSTRACT: In these studies the Fe ⁺³ ion was replaced, in part, by Al ⁺³ , Sc ⁺³ , ABSTRACT: In these studies the Fe ⁺³ ions replace some of the Fe ⁺³ ions (IaF and Co ⁺³ . Thermoremanent magnetization of LaFeO ₃ cannot be reduced to zero even a field of 20 000 cersteds, but if Al ⁻³ ions replace some of the Fe ⁺³ ions (IaF a field of 20 000 cersteds, but if Al ⁻³ ions replace some of the Fe ⁺³ ions (IaF a field of 20 magnetization almost disappears, and the hysteresis loops become symmet Al _{0.1} O ₃ .), introduced by orthorhombic distortion of the crystal lattice, ther cal. These changes may be explained by the finely dispersed character of the semples. The change in magnetic properties on substitution of the indicated i	al
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IVEFONUVA, V.I.; KATSNEL'SON, A.A.

Existence of a short-range order in Au--Pd alloys. Kristallografiia 9 no.4:557-558 '64. (MIRA 17:11)

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1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

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IVERONOVA, V.I.; KATSNEL'SON, A.A.

Size effect in the Fe-W alloy, Fiz, met. i metalloved, 17 (MIRA 17:8) no.6:809-812 Je '64.

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

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IVERONOVA, V.I.; KATENEL'SON, A.A.

Effect of plastic deformation on the diffusive scattering of X rays by copper polycrystals. Fiz. met. i metalloved. 19 no.1:105-110 Ja '65. (MIRA 18:4)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

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4.,	USER/Medicine - Nyes Jan/Yeb 1948 Medicine - Penicillin	
	"Bacteriostatic liffect of Penicillin in the Moisture of the Camera and in the Vitrecus Body with Various Methods of Injecting It into the Eysball," Prof A. B. Estenel'son; Dr 17. M. Chabrova, Chelyabinsk Med Inst, 42 pp	
	"Vest Oftalmol" Vol XXVII, No 1	
	Describes various methods of introducing penicillin into the eye by local injection. Discusses effect of different concentrations of penicillin on the eye tissues. Includes case histories of some of patients who received penicillin treatment for eye wounds. 47779	
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KATSNEL'SCH, A. B. Local glucose therapy of certain diseases of the eyes. Vest. oft. 29:6, Nov. Dec. 50. p. 37 1. Chelyabinsk. CLML 20, 3, March 1951 1 E20 R 2 17 11210 12 12 22 21 國家當時當時當時的

MARK SIGNE

KATSNEL'SON, A. B.; ZHAK, Ye. M.

Surgical treatment of xerophthalmia by means of transplantation of the duct of Steno into the conjunctival sac. Vest. oft., Moskva 30 no. 6:3-10 Nov-Dec 1951. (CIML 21:3)

te tetatoria e la sue s

1. Prof. Katsnel'son; Docent Zhak. 2. Of the Department of Kye Diseases (Head -- Prof. A. B. Katsnel'son) of the Hospital Surgical Clinic of Chelyabinsk Medical Institute (Director of Institute and Head of Surgical Clinic -- Prof. G. D. Obraztsov) and of the Oblast Clinical Hospital (Head Physician -- S. Z. Glukhovskiy).

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Construction of the second	[Anomalies of growth and diseases of the eye in young children] Anomalii razvitiia i zabolevaniia glaz v rannem detskom vozraste. Leningrad, Medgiz, 1957. 181 p. (MIRA 11:1) (EYEDISEASES AND DEFECTS)
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APPROVED FOR RELEASE: 06/13/2000

KATSNEL'SON, A.B., prof.

Current status of the problem of the etiology, pathogenesis, clinical anpeots and treatment of herpetic keratitis. Vest. oft. 72 no.3: 27-33 My-Je '59. (NIRA 12:7)

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1. Zaveduyushchiy klinikoy glaznykh bolezney Chelyabinskogo meditsinskogo instituta. (KERATITIS herpetic keratitis, review (Rus)) (HEPPES

same)

APPROVED FOR RELEASE: 06/13/2000

KATSNEL'SON, A.B., prof.; KAPLUNOVICH, P.S. assistent

Treatment of hemophthalmia by the injection of cerebrospinal fluid into the vitreous body. Vest.oft. 72 no.5:19-21 S-O '59. (NIRA 13:3) 1. Kafedra glaznykh bolezney (zaveduyuzhchiy - prof. A.B. Katsnel'son) Chelyabinskogo meditsinskogo instituta. (EYE, dis.) (VITREOUS BODT) (CERKEBIOSPINAL FLUID)

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KATSNEL'SON, Aleksandr Borisovich; TARASOV, G.A., red.; SHEVCHENKO, P.Ya., tekhn.red.

> [Vitamins in the physiology of and vitamin deficiency in the pathology of the eye] Vitaminy v fiziologii i vitaminnaia nedostatochnost' v patologii organa zreniia. Leningrad, Gos. izd-vo med.lit-ry, Leningr.otd-nie, 1960. 149 p. (NIRA 13:5)

(VITAMINS)

(HYE--DISEASES AND DEFECTS)

i

APPROVED FOR RELEASE: 06/13/2000

KATSNEL'SON, A.B.; KAPLUNOVICH, P.S.

Instruments for facilitating the transplantation of Stensen's duct into the conjunctival sack. Med. prom. 14 no. 10:45-47 0 '60. (MIRA 13:10)

1. Chelyabinskiy meditsinskiy institut. (PAROTID GLANDS-SURGERY) (EYE, INSTRUMENTS AND APPARATUS FOR)

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國際部門

1. J. I.



KATSNEL'SON, A.B., prof.

"Problems in neuroophthalmology", Volumes 5 and 6. Edited by I.I.Merkulova. Reviewed by A.B.Katsnel'son. Oft. zhur. 16 no.2: 123-127 '61. (MIRA 14:3) (NEURO-OPHTHAIMOLOGY) (MERKULOVA, I.I.)

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APPROVED FOR RELEASE: 06/13/2000

KATSNEL'SON, A.B., prof.; SAUSHKIIA, N.K.

Lamellar keratoplasty with a tatooing of the leukemia under the transplant. Oft. zhur. 16 no.4:242-244 '61. (MIRA 14:7)

1. Iz kafedry glaznykh bolezney Chelyabinskogo meditsinskogo instituta. (CORNEA--TRANSPLANTATION)

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KATSNEL'SON, A.B., prof. Graft fixation using sutures during transplantation of corneal discs of large size. Oft. ahur. 16 no.5:307-310 '61. (MINA 14:10) 1. Iz kafedry glaznykh bolezney Chelyabinskogo meditsinskogo instituta. (CORNEA-TRANSPLANTATION) (SUTURES)

APPROVED FOR RELEASE: 06/13/2000

 KATSNEL'SON, A.B., prof.

 New trends in the study of the pathogenesis and in the pathogenic therapy of eye burns. Vest.oft. no.4:3-7' 162. (NIRA 15:11)

 1. Chelyabinskiy gosudarstvennyy mediteinskiy institut. (EVE--WOUNDS AND INJURIES) (BURNS AND SOALDS)

 KATSNEL 'SON, A.B., prof.

 APPROVED FOR RELEASE: 06/13/2000
 CIA-RDP86-00513R000721130008-9"
USSE KATSNEL'SON, A.B., prof.; VOINOV, I.N.; KAPLINA, K.P. Studies on the etiology and pathogenesis of herpetic diseases of the eye. Vest.oft. no.3:61-67 My-Je 162. (MIRA 15:8) APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721130008-9"

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DORMIDONTOVA, K.V.; KARANOV, S.K.; KATSNEL'SON, A.B.; KHAYUTIN, S.M.

The 19th International Congress of Ophthalmologists in Delhi. Vest. oft. 76 no.3:73-79 My-Je '63. (MIRA 17:2)

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KUTATELADZE, S.S., kandidat tekhnicheskikh nauk, redaktor; KATS-NEL'SON, A.D., redaktor; ZAHRODINA, A.A., tekhnicheskiy redaktor.

[Problems of heat exchange in modifications of the aggregation state of matter] Voprosy teploobmena pri izmenenii agregatnogo sostoianiia veshchestva. Sbornik statei. Moskva, Gos. energ. izd-vo, 1953. 207 p. (MLRA 7:8) (Heat)

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KHVILIVITSKIY, T.Ya., SLUTSKINA, P.I., AVDASHEVA, L.P., AL'FER, Ye.G. KATSNEL'SON, A.N., MIKHALENKO, I.N. ويحرون فردن سلمواد فرا

> Using durgs with opposing action in combined insulin therapy for schizophrenia [with summary in French]. Zhur.nevr. i psikh. 28 no.9:1096-1105 '58 (MIRA 11:11)

1. Psikhonevrologicheskiy institut imeni B.M. Bekhtereva (dir. prof. V.N. Myasishchov) i 2-ya Leningradskaya psikhonevrologicheskaya bol'nitsa (glavnyy vrach T.I. Nikolayeva).

(SCHIZOPHRENIA, ther.

insulin shock, in assoc. with drugs with opposing action (Rus)) (SHOCK, THERAPY INSULIN, in var. dis.

schizophrenia, in asses with drugs with opposing action (Rus))

APPROVED FOR RELEASE: 06/13/2000

KATSNEL'SON, A. M., Candidate Tech Sci (diss) -- "A comparative investigation of the operation of a cupola furnace with various methods of high-temperature heating of air". Moscow, 1959. 19 pp (Min Higher Educ USSR, Moscow Automotive Mech Inst), 150 copies (KL, No 24, 1959, 137) "APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721130008-9

18(5) AUTHOR:	Katenelson, A.M., Engineer SOV/128-59-4-2/27
TITLE:	Investigating Certain Methods of Cupola Blast Heat- ing
PERIODICAL:	Liteynoye Proizvodstvo, 1959, Nr 4, pp 3-8 (USSR)
ABSTRACT:	One of the principal methode of improving the cupola operation is to increase the temperature of the cast iron. To accomplish this, increasing use is made of preheating the cupola blast. Plants were built which worked satisfactorily with a blast heated to 400-500°C. At the outlet the cast iron had a temperature of 1,500° C. This method is very interesting, because it is re- latively cheap and increases the efficiency of the cupola. The installations to preheat the blast can be divided into four groups according to their source of heat: 1) Those using the heat of an additional fuel burnt in a special furnces; 2) those using the heat of the cupola gases; 3) those getting the heat from the different layers within the cupola; 4) those
Card 1/3	using the heat both of the cupola gases and of an

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SOV/128-59-4-2/27 Investigating Certain Methods of Cupola Blast Heating

> additional fuel. The temperature of the blast depends very much on the efficiency and the construction of the preheater. The existing plants mainly use metal recuperators as preheaters. Heaters that use an additional fuel always stand separately and usually are recuperators, although in some cases also generators are found. Heaters which utilize the cupola gases are always installed in the cupola itself, and they are always recuperators. Good results were attained with a recuperator, fitted into the shaft of the cupola, for it saved fuel, and the temperature of the cast iron increased. A number of installations with separate recuperators, using waste furnace gas, managed to heat the blast up to 500°C and the cast iron to 1,500°C. Each method to heat the blast finds its supporters among the molders, but it is certain that both have advantages over cupolas using a cold blast. The best method is the one which heats the metal to 1,500°C with a minimum consumption of fuel. In comparing the results of the different methods, it

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Card 2/3

Investigatin.	SOV/128-59-4-2/27 g Certain Methods of Cupola Blast Heating was investigated how the temperature of the cast iron, the temperature of the blast, and the output are related to the coke consumption. With a preheat- ing temperature of 450-500°C it is possible to attain a cast iron temperature of 1,500°C with a coke consump- tion of only 13%. For all new and already existing plants, it is therefore recommendable to make use of the waste furnace gas with its high temperatures to preheat the blast. It is preferable to provide for separate heaters, so that it is possible to preheat the cupola before operation or in cases when work is interrupted. There are 2 sets of drawings and 9 graphs.
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KATSNEL'SON, A. Sh. Manometer with a strain gauge. Izm. tekk . no.5818-19 My*64 (MIRA 1787)

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	SUB CODE: 13, 09 / SUBM DATE: none./ ORIG REF: 001 Card 1/1Hh UDC: 681.2.085
	TOPIC TAGS: measuring instrument, digital instrument, reference instrument ABSTRACT: Developed by the NIITeplopribor Institute, the principle of discrete force compensation consists of the following: the torque produced by a sensor and applied to one arm of a two-arm lever is balanced by several torques applied to the other arm of the lever; the number of latter torques equals to the number of digits in the selected code while individual torques correspond to the code "weight coefficients". Thus, the sensor torque (or force) can be expressed as an output code equivalent. Application of this principle is illustrated by a 13-digit manometer whose block diagram, principal circuit, and time diagram are explained. The manometer range is 01 kg/cm ² ; error, 0.1%; measurement time, 5 sec. Claimed advantages: high speed, convenient digital reading, possibility of using digital printers. The principle is applicable also to pressure-drop gages, thermometers, flowmeters, level gages, etc. Orig. art. has: 4 figures and 1 formula.
	ORG: none TITLE: Reference <u>instruments</u> operating on a discrete force-compensation principle SOURCE: Priborostroyeniye, no. 7, 1966, 21-23
	L 06396-67 EWT(d)/EWT(1)/EEC(k)-2/EWP(v)/EWP(k)/EWP(h)/EWP(1) ACC NR: AP6025287 (A) SOURCE CODE: UR/0119/66/000/007/0021/0023 AUTHOR: Katsnel'son, A. Sh. (Engineer); Mityashin, I. P. (Engineer) 2/



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KATSNEL'SON, B.A.

> Prevention of silicosis in engineering plants. Gig. sanit., Moskva (CIHL 21:4) No.12:30-32 Dec 51.

> 1. Of the Medico-Sanitary Section of Chelyabinsk Tractor Plant imeni Stalin.

APPROVED FOR RELEASE: 06/13/2000

KANTNEL'SON, B.A.

Machine-Shops Hygienic Aspects

Prevention of silicosis in the machine building industry. Gig. i san., No. 12, 1951

Monthly List of Russian Accessions, Library of Congress, March, 1952 UNCL.

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DATE: STATES

KATSNEL'SCN, B.A. 137-58-3-6316 D Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 268 (USSR) Katsnel'son, B.A. AUTHOR: Sanitation Problems Connected With the Charging of Modern Blast TITLE: Furnaces (Voprosy gigiyeny truda pri zagruzke sovremennykh domennykh pechey) Bibliographic entry on the author's dissertation for the degree ABSTRACT: of Candidate of Medical Sciences, presented to the In-t gigiyeny truda i profzabolevaniy Akad. med. nauk SSSR (Institute for Labor Hygiene and Environmental Diseases, Academy of Medical Sciences, USSR) Moscow, 1957. ASSOCIATION: In-t gigiyeny truda i profzabolevaniya Akad. med. nauk SSSR (Institute for Labor Hygiene and Environmental Diseases, Academy of Medical Sciences, USSR), Moscow Card 1/1APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721130008-9"

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.' Experimental Study of the Pathogenic Properties (cont.)

reaction o^f the lungs, giving it the characteristics of pneumoconiosis with sidero-silicosis; 4) in the evaluation of the potential danger for workers exposed to D it is necessary to take into account the SiO₂ content in S, together with other conditions (concentration of D, duration of exposure, etc.).

翻译之

Ye. L.

Card 2/2

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SOV/137-58-8-16467

	Katsnel'son, B.A.
TITLE:	Some Aspects of Hygiene During Charging of Modern Blast Furnaces (Nekotoryye voprosy gigiyeny truda pri zagruzke sov- remennykh domennykh pechey)
PERIODICAL	.: V sb.: Domennoye proiz-vo Moscow, Metallurgizdat, 1958, pp 143-152
ABSTRACT: Card 1/2	A presentation of results of an investigation on the pollution of air with dust in charging areas of modern blast furnaces at four plants. The investigations were performed by the Institute on Labor Hygiene and Occupational Diseases of the Academy of Medical Sciences, USSR. The greatest degree of dust pollution was observed at the platforms of the scale cars during loading of sinter, particularly when the latter contained small amounts of moisture. Even a slight wetting of the charge materials sharply reduces the degree of dust pollution in loading areas. Increased mechanical strength of sinter also produces favorable results. GaO and SiO ₂ are essentially the harmful ingredients of the dust. A number of measures are proposed for prevention of
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Some Aspects of Hygiene During Charging of Modern Blast Furnaces

dust formation. Bibliography: 4 references. See also RZhMet, 1958, Nr 3, abstract 6316 D.

N.L. 🚲

Blast furnaces--Hazards
Particles (Airborne)--Physiological effects
Particles (Airborne)--Moisture factors

Card 2/2

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and the second second product of the second s Some problems in the etiology and pathogenesis of silicosis. Gig. truda i prof.zab. 3 no.6:49-54 N-D '59. (MIRA 13: (MINA 13:4)

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Some recent data on carbon monoxide poisoning in foreign literature published in recent years. Gig.i san. 26 no.1:90-94 Ja '61. (MIRA 14:6) 1. Iz Sverdlovskogo instituta gigiyeny truda i profpatologii (CARBON MONOXIDE__TOXICOLOGY)

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Survey of the foreign literature of recent years on problems in the pathogenesis of silicosis. Gig. truda i prof. zab. no.4: 41-46 '62. (MIRA 15:4)

日本 かた動種素薬の長く 経済

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(LUNGS-DUST DISEASES)

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Method of measuring pulmonary ventilation in rabbits. Gig. truda i prof. zab. 6 no.12:47-49 D'62. (MIRA 16:7)

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