VOLKOV, K. V., inzh.

Digging conditions of a straight shovel with constant cutting angles. Stroi. i dor. mash. 7 no.11:13-15 N '62. (MIRA 16:1)

(Excavating machinery)

VOLKOV, K.M.

PSF-1 self-propelled pneumatic ridger. Torf.prom. 35 no.2:30 '58.
(MIRA 11:5)
1. Rukovoditel' gruppy Vsesoyuznogo nauchno-issledovatels'skogo instituta torfyanoy promyshlennosti.
(Peat machinery)

VOLKOV, K.M.

Beat Industry

Cyclical graphs of the work of an aggregate of UPF-SVF machines in winning cut peat. Torf. prom. 29 no. 4, 1952

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

VOLKOV, K.N., inzh.; SAFONOV, A.I., inzh.; SEMENOV, L.N., inzh.

Increasing the degree of mechanization of welding operations in shipbuilding. Svar. proizv. no.12:22-24 D '61. (MIRA 14:12)
(Ships--Welding)
(Welding--Equipment and supplies)

S/135/61/000/012/006/008
A006/A101

AUTHORS: Volkov, K. N., Safonov, A. I., Semenov, L. N., Engineers

TITLE: On the problem of raising the mechanization level of welding operations in shipbuilding

PERIODICAL: Svarochnoye proizvodstvo, no. 12, 1961, 22-24

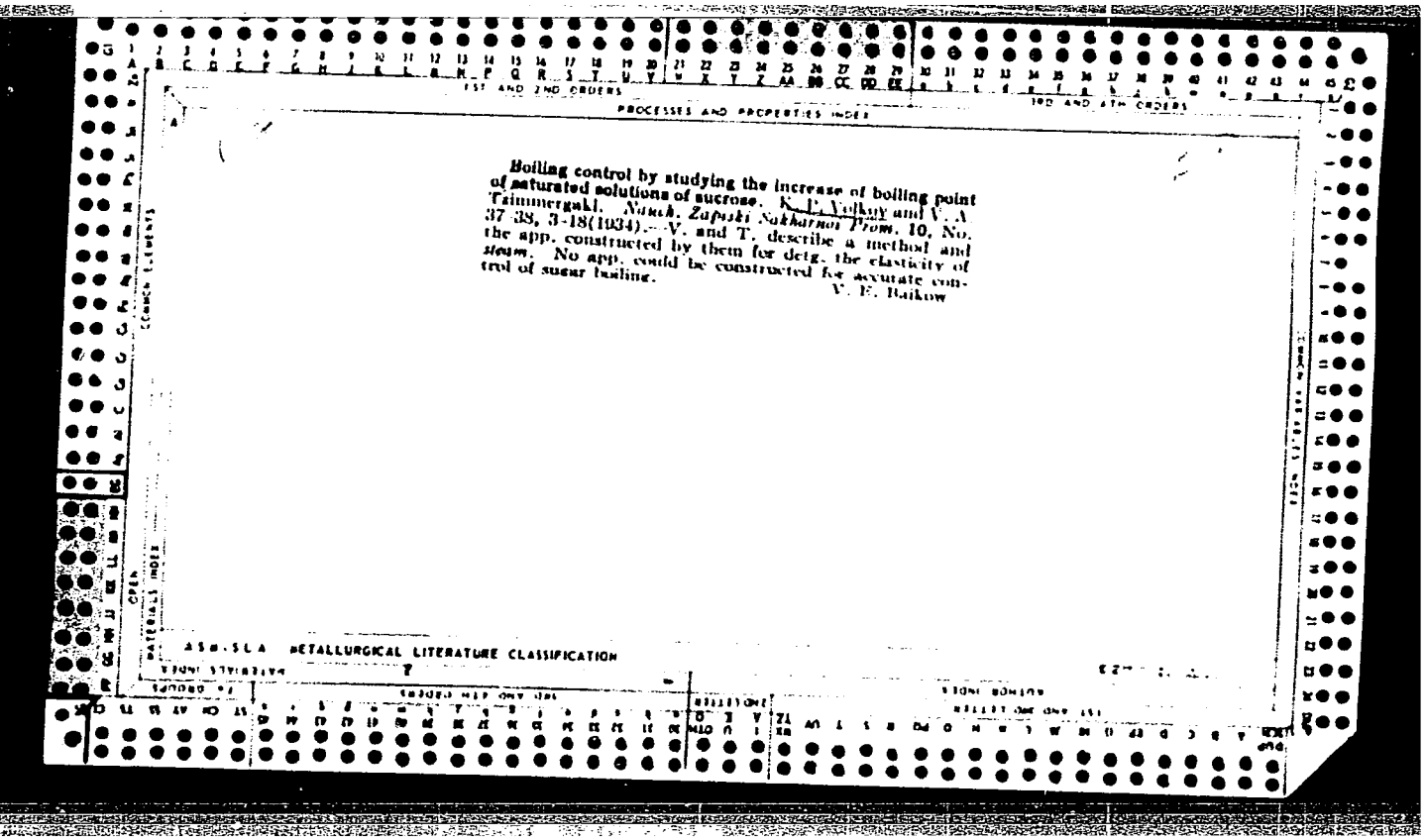
TEXT: Since 1955 the rate of increase of mechanized welding operations in shipbuilding has dropped from 7 - 8% in 1948 - 1953 to 0.5 - 1.5% per year. To predetermine an increase of mechanization, it has become imperative to analyze the distribution of weld joints depending on their length, the spatial location of the seam during the welding process and the welding spot. The authors tabulated these parameters for ship hulls and bottoms. The data compiled are characteristic of distributing the extent of welding operations on the hull and the degree of their mechanization. They also make it possible to indicate the basic trends of further mechanization in welding operations. On the basis of these data the following conclusions are drawn: It is not possible to assure the prescribed level of mechanization by passing over to submerged arc welding of all joints to be welded in the lower position, i.e., 80% of the total amount of

Card 1/3

welding operations on the hull. The use of submerged arc welding for joints produced in the vertical and overhead position, is not considered to be expedient in shipbuilding, since up to 1 m long T joints and over 3 m butt joints are the standard types of welds in vertical seams. Up to 1 m long T joints and over 3 m long butt welds are the standard types for overhead seams. A further mechanization of welding operations should be achieved by introducing methods which assure the efficient welding of short joints in any spatial position. To attain the prescribed 85% mechanization of welding processes, in respect to labor consumption, not less than 92% of all welding operations of hull structures must be performed by mechanized means. Mechanization should be brought about both at the shops and at the dockyard. The existing technical means for welding in CO_2 will raise the extent of mechanization at all stages of shipbuilding. There are 2 tables and 4 figures.

Table 2:

Spatial position of joint	Work place	Type Joint	Specific value of weld joints in the total amount of welding operations on the hull in %, at a seam length in m: up to 1 (м)	(р)	from 1 to 2 (м)	(р)	from 2 to 3 (м)	(р)	over 3 (м)	(р)	total per ship (м)	(р)
Lower Нижнее	Manufacture of sections При изготовлении секций	T Тавровое	1,82	[illegible]	0,80	0,80	2,28	0,12	30,80	1,48	47,0	6,0
		butt Стыковое	0	2,0	0,10	0,35	0,13	0,16	13,[illegible]	0,6	17,30	3,6
	Dockyard На стапеле	T Тавровое	0,11	0,86	0,[illegible]	0,65	0,12	0,31	2,44	0,[illegible]	2,65	2,07
		butt Стыковое	0,03	0,30	0,00	0,11	0,00	0,08	2,[illegible]	0,[illegible]	2,38	0,90
Vertical Вертикальное	Manufacture of sections При изготовлении секций	T Тавровое	0	8,90	0	0,27	0	0,1	—	—	0	0,33
		butt Стыковое	0	0,77	0	0,13	—	—	—	—	0	0,9
	Dockyard На стапеле	T Тавровое	0	1,12	0	0,45	0	0,3	0	1,13	0	3,01
		butt Стыковое	0	0,91	0	0,51	0	0,35	0	1,8	0	3,57
Overhead Потолочное	Manufacture of sections При изготовлении секций	T Тавровое	0	0,42	0	0,05	—	—	—	—	0	0,50
		butt Стыковое	—	—	—	—	—	—	—	—	—	—
	Dockyard На стапеле	T Тавровое	0	1,11	0,	0,19	0	0,20	0	1,05	0	2,35
		butt Стыковое	0	0,24	0	0,08	0	0,04	0	1,28	0	1,62
Horizontal Горизонтальное	Manufacture of sections При изготовлении секций	butt Стыковое	0	0,44	0	0,10	—	—	—	—	0	3,86
	На стапеле Dockyard	butt Стыковое	0	0,25	0	0,14	0	0,10	0	0,95	0	1,44
Итого Total	Manufacture of sections При изготовлении секций	T Тавровое	1,82	10,05	0,80	1,15	2,28	0,22	30,8	1,4	43,9	12,83
		butt Стыковое	0	3,25	0,1	0,46	0,13	0,15	10,38	0,6	10,30	4,60
	Dockyard На стапеле	T Тавровое	0,11	3,16	0,05	1,2	0,12	0,71	2,24	2,38	2,65	7,63
		butt Стыковое	0,03	1,08	0,03	0,82	0,08	0,82	2,24	4,53	2,36	7,36
	Total per ship Всего по судну		2,08	18,18	1,01	3,65	2,38	1,6	81,84	9,80	67,5	32,5



PROCESSES AND PROPERTIES INDEX

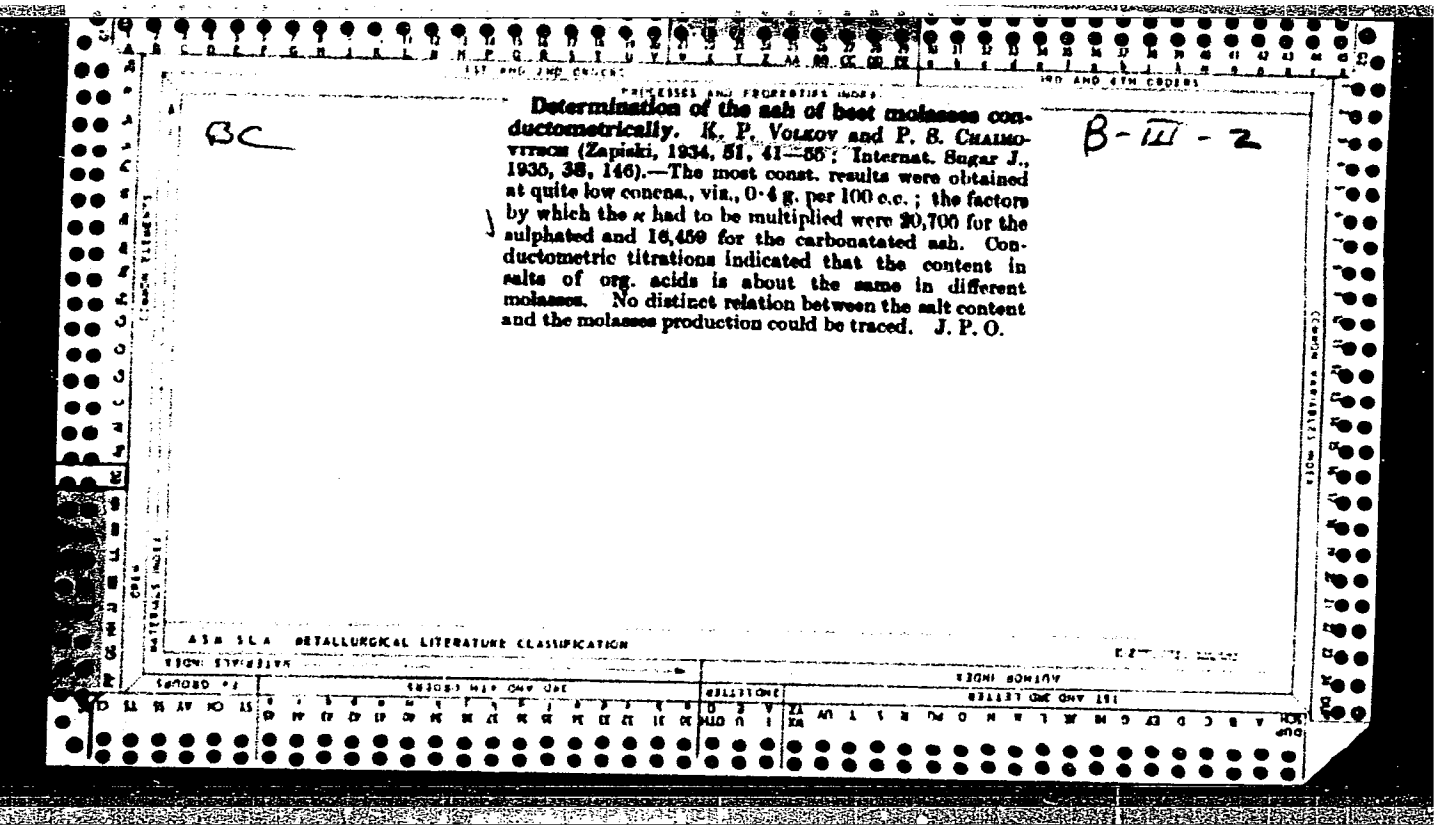
1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

Boiling control by studying the increase of boiling point of saturated solutions of sucrose. K. P. Valkov and V. A. Taimmergakl. *Nauch. Zapiski Sakharnoi Prom.* 10, No. 37-38, 3-18(1934).—V. and T. describe a method and the app. constructed by them for detg. the elasticity of *steam*. No app. could be constructed for accurate control of sugar boiling.

V. P. Baikow

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

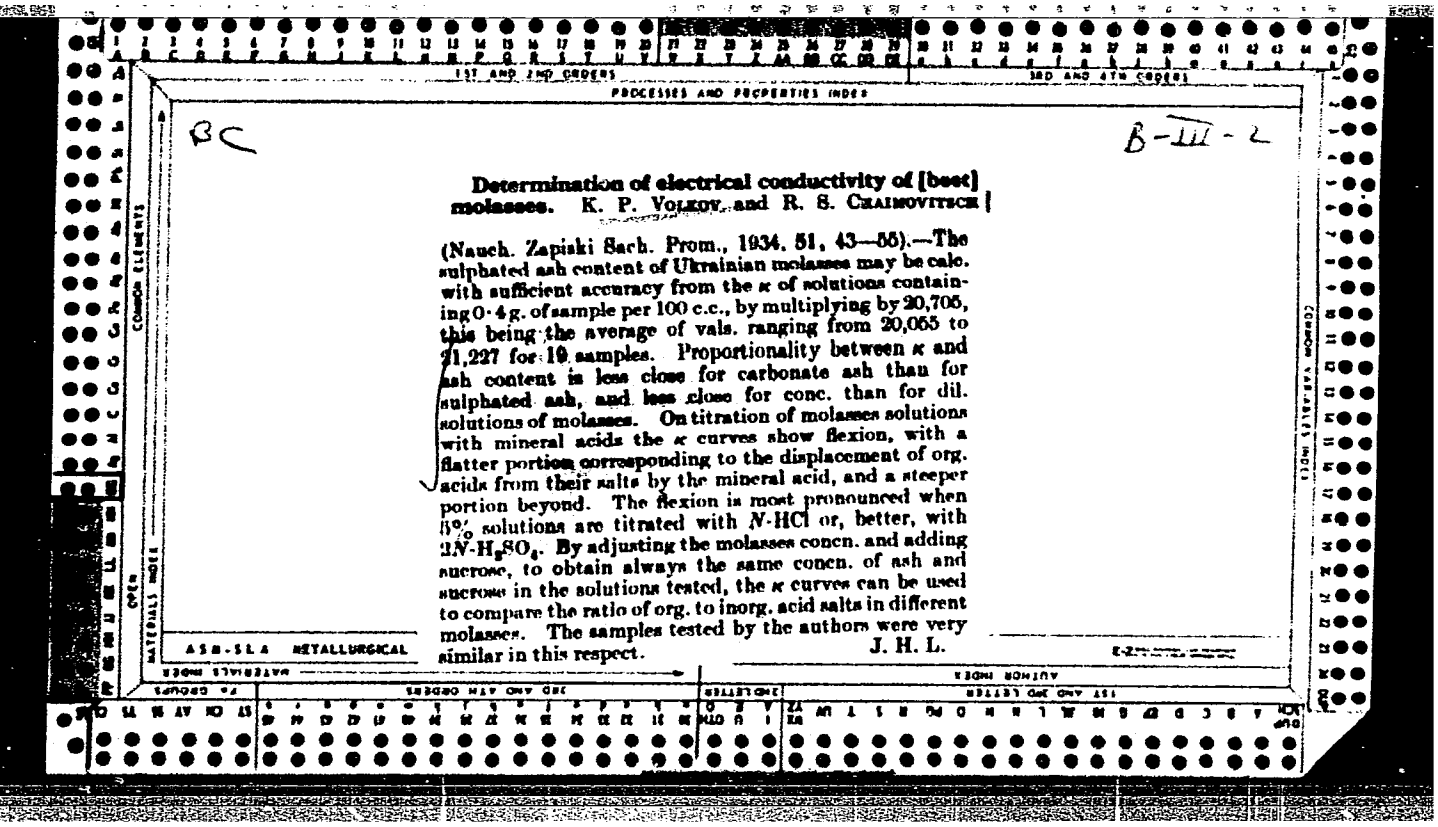


BC

B-III-2

Determination of the ash of beet molasses conductometrically. K. P. Volkov and P. S. Chalmovitsch (Zapiski, 1934, 51, 41—55; Internat. Sugar J., 1935, 38, 146).—The most const. results were obtained at quite low concns., viz., 0·4 g. per 100 c.c.; the factors by which the κ had to be multiplied were 20,700 for the sulphated and 16,450 for the carbonatated ash. Conductometric titrations indicated that the content in salts of org. acids is about the same in different molasses. No distinct relation between the salt content and the molasses production could be traced. J. P. O.

ASM SLA METALLURGICAL LITERATURE CLASSIFICATION



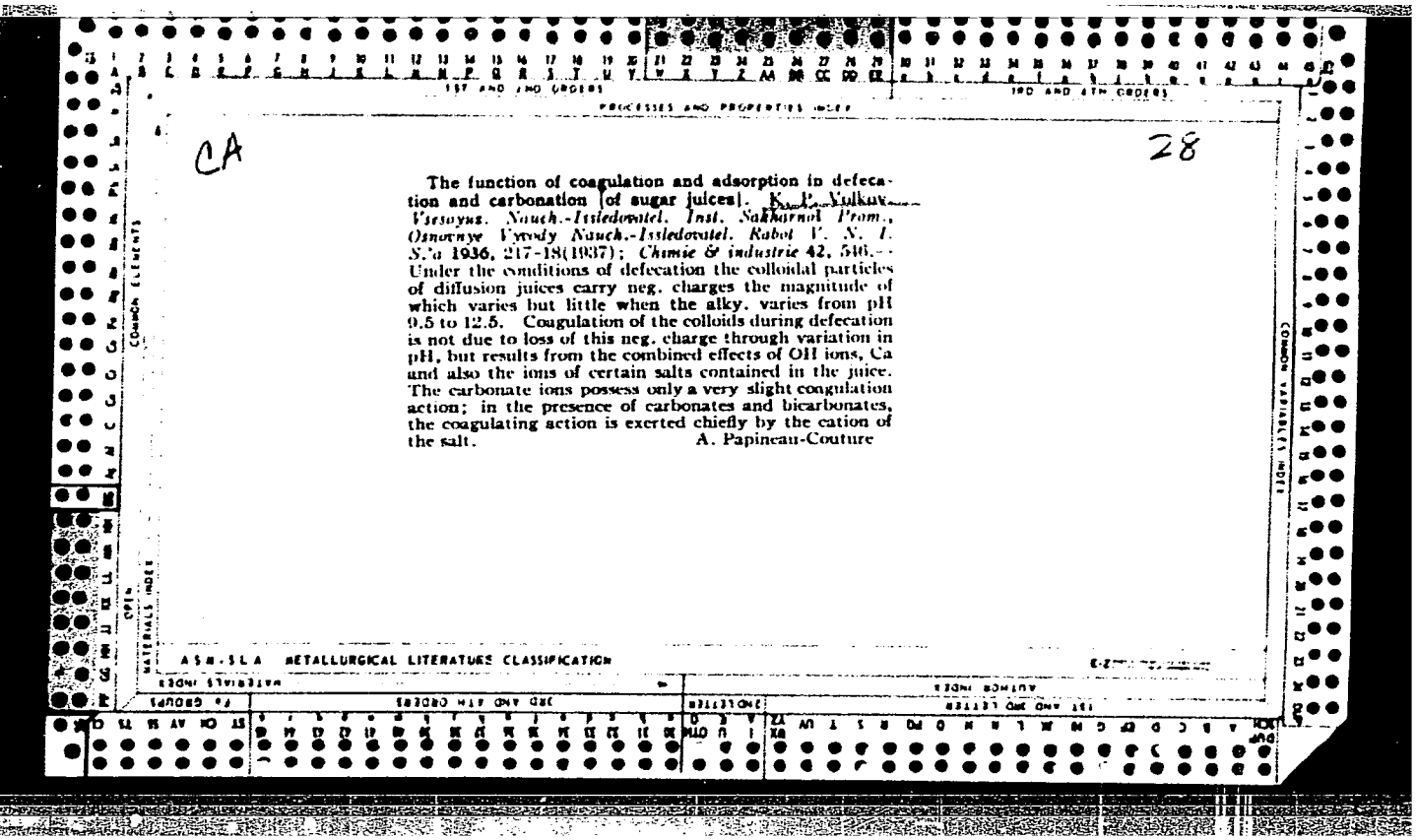
BC

B-III-2

Determination of electrical conductivity of [beet] molasses. K. P. Volkov and R. S. Chaimovitsch.

(Nauch. Zapiski Sach. Prom., 1934, 51, 43—55).—The sulphated ash content of Ukrainian molasses may be calc. with sufficient accuracy from the κ of solutions containing 0·4 g. of sample per 100 c.c., by multiplying by 20,705, this being the average of vals. ranging from 20,055 to 21,227 for 19 samples. Proportionality between κ and ash content is less close for carbonate ash than for sulphated ash, and less close for conc. than for dil. solutions of molasses. On titration of molasses solutions with mineral acids the κ curves show flexion, with a flatter portion corresponding to the displacement of org. acids from their salts by the mineral acid, and a steeper portion beyond. The flexion is most pronounced when 5% solutions are titrated with N-HCl or, better, with $2N$-H_2SO_4. By adjusting the molasses concn. and adding sucrose, to obtain always the same concn. of ash and sucrose in the solutions tested, the κ curves can be used to compare the ratio of org. to inorg. acid salts in different molasses. The samples tested by the authors were very similar in this respect.

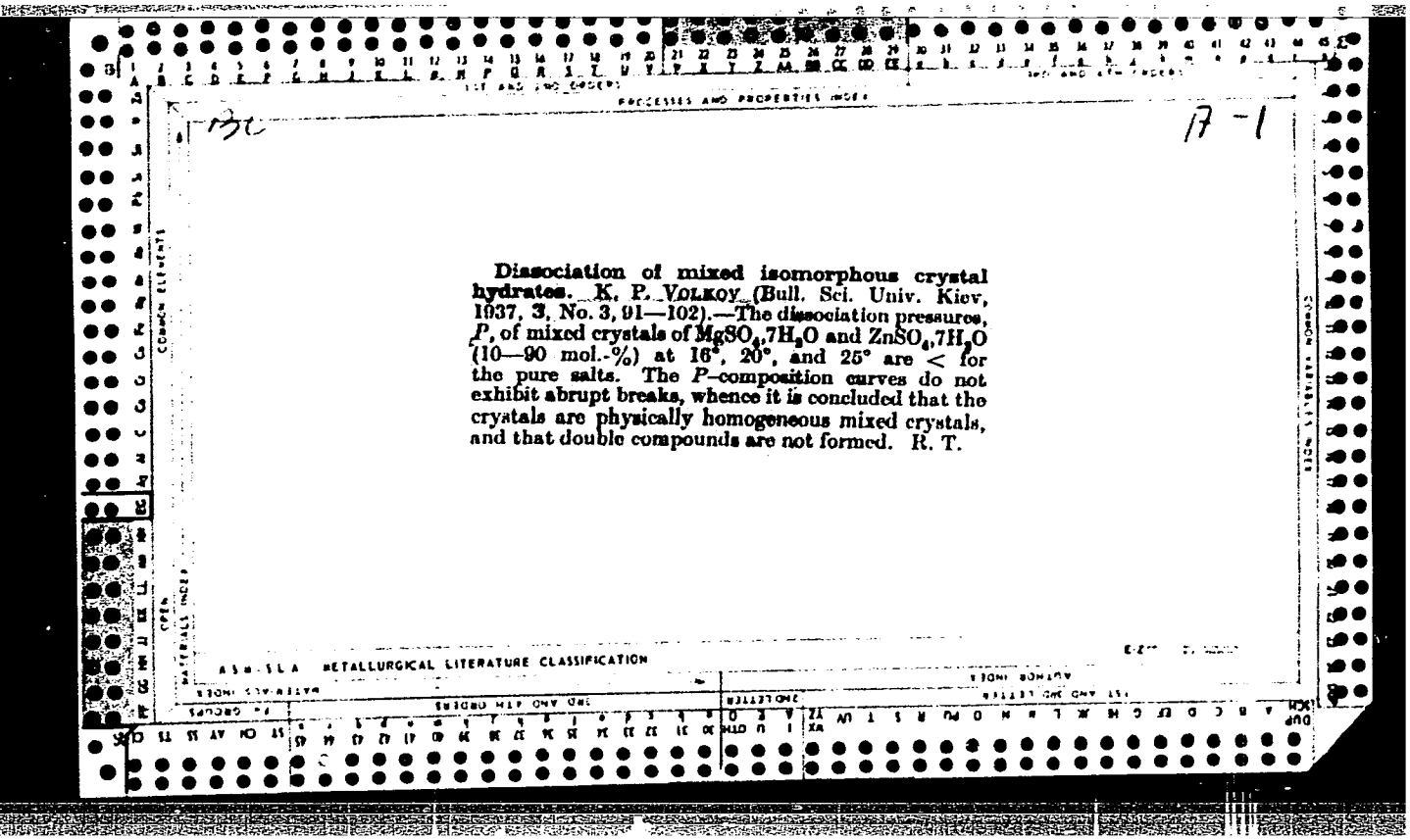
J. H. L.



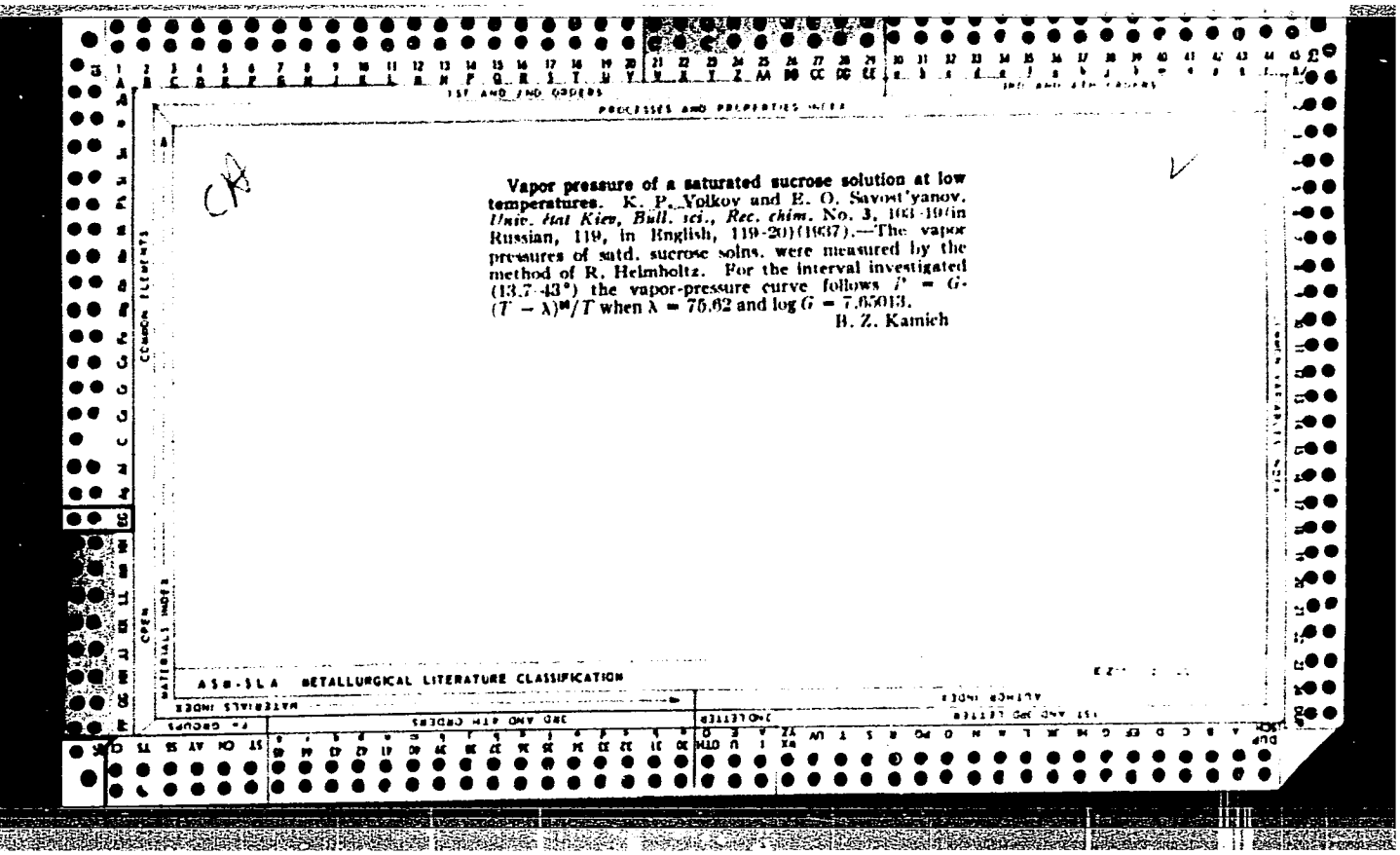
CA

28

The function of coagulation and adsorption in defecation and carbonation [of sugar juices]. K. P. Vulkov. *Vsesoyuz. Nauch.-Issledovatel. Inst. Sakharnoi Prom., Osnovnye Vyvody Nauch.-Issledovatel. Rabot V. N. I. S.'a* 1936, 217–18(1937); *Chimie & industrie* 42, 546.—Under the conditions of defecation the colloidal particles of diffusion juices carry neg. charges the magnitude of which varies but little when the alky. varies from pH 9.5 to 12.5. Coagulation of the colloids during defecation is not due to loss of this neg. charge through variation in pH, but results from the combined effects of OH ions, Ca and also the ions of certain salts contained in the juice. The carbonate ions possess only a very slight coagulation action; in the presence of carbonates and bicarbonates, the coagulating action is exerted chiefly by the cation of the salt. A. Papineau-Couture

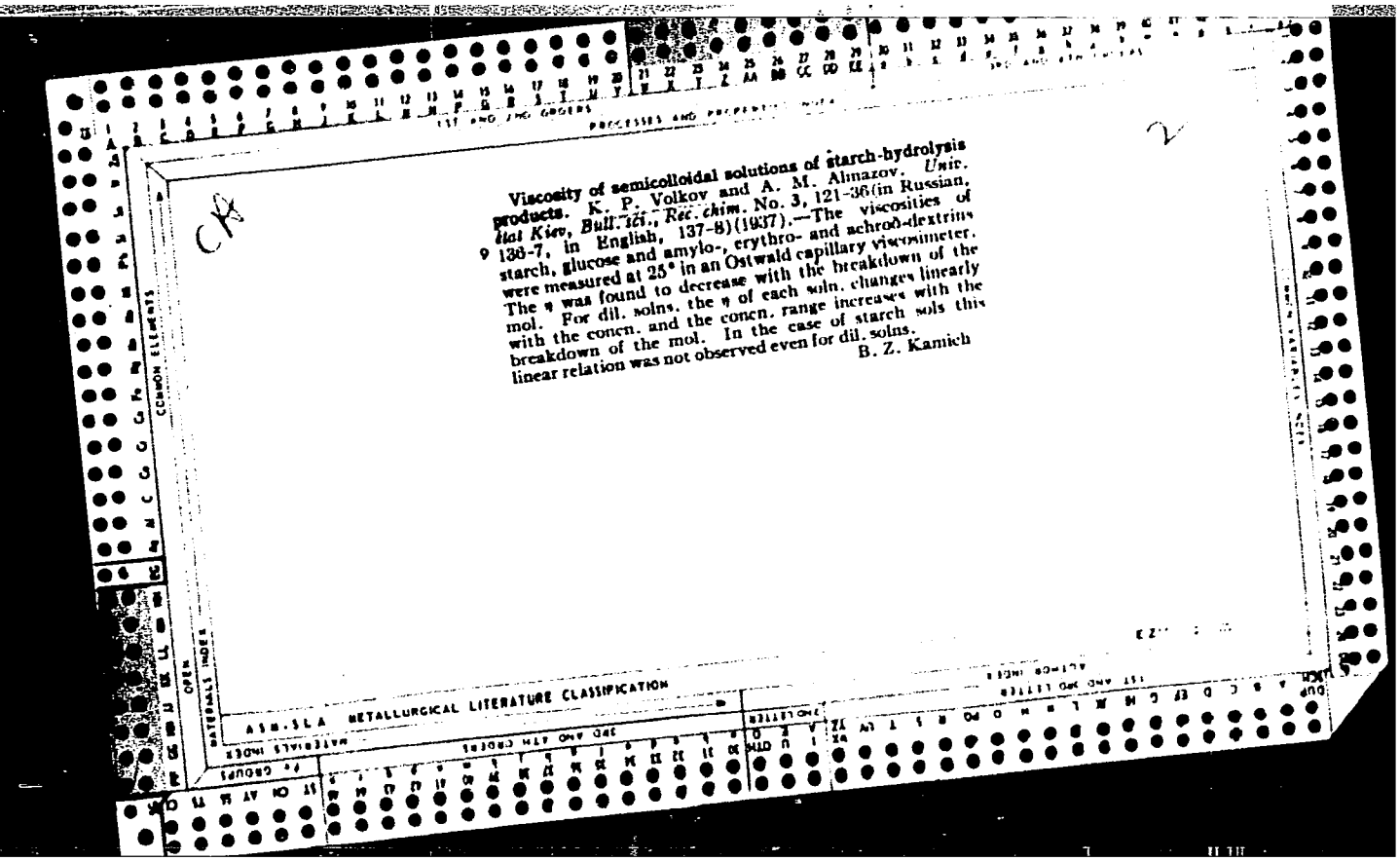


Dissociation of mixed isomorphous crystal hydrates. K. P. VOLKOV (Bull. Sci. Univ. Kiev, 1937, 3, No. 3, 91—102).—The dissociation pressures, P, of mixed crystals of $MgSO_4,7H_2O$ and $ZnSO_4,7H_2O$ (10—90 mol.-%) at 16°, 20°, and 25° are < for the pure salts. The P–composition curves do not exhibit abrupt breaks, whence it is concluded that the crystals are physically homogeneous mixed crystals, and that double compounds are not formed. R. T.



Vapor pressure of a saturated sucrose solution at low temperatures. K. P. Yolkov and E. O. Savost'yanov. *Univ. Stat Kiev, Bull. sci., Rec. chim.* No. 3, 103-19(in Russian, 119, in English, 119-20)(1937).—The vapor pressures of satd. sucrose solns. were measured by the method of R. Helmholtz. For the interval investigated (13.7-43°) the vapor-pressure curve follows $P = G \cdot (T - \lambda)^{20}/T$ when $\lambda = 75.62$ and $\log G = 7.65013$.

B. Z. Kamich



Viscosity of semicolloidal solutions of starch-hydrolysis products. K. P. Volkov and A. M. Almazov. *Unic. Stat Kiev, Bull. Izi., Rec. chim.* No. 3, 121-36(in Russian, 9 138-7, in English, 137-8)(1937).—The viscosities of starch, glucose and amylo-, erythro- and achrod-dextrins were measured at 25° in an Ostwald capillary viscosimeter. The η was found to decrease with the breakdown of the mol. For dil. solns. the η of each soln. changes linearly with the concn. and the concn. range increases with the breakdown of the mol. In the case of starch sols this linear relation was not observed even for dil. solns.

B. Z. Kamich

VOLKOV, K.V., kand.tekhn.nauk

More about the cutting rate of straight shovels.
Stroi. i dor.mash. 10 no.12:21-23 D '65.
(MIRA 19:1)

VOLKOV, Kuz'ma Vasil'yevich, dots.; YEFREMENKO, V.P., inzh., red. izd-va

[Wearing-in bearing pairs of construction machines; scientific report]Prirabatyvaiushchiesia podshipnikovye pary stroitel'nykh mashin; nauchnoe soobshchenie. Moskva, Gosstroiizdat, 1961. 21 p. (MIRA 15:7)
(Bearings (Machinery))

VOLKOV, K.V., inzh.; IVANISHCHEV, I.G., kand.tekhn.nauk; SMIRNOV, S.F. kand.tekhn.nauk

"Hoisting and conveying construction elements equipment for plants producing" by A.E.Khlusov. Reviewed by K.V.Volkov, I.G. Ivanishchev, S.F.Smirnov. Stroi.i dor.mash. 7 no.2:38 F '62. (MIRA 15:5)

(Hoisting machinery) (Conveying machinery)
(Building materials industry)
(Khlusov, A.E.)

VOLKOV, K.V., dots.

Cutting path, speeds, and angles of straight shovels of single-motor excavators. Stroi.i dor.mashinostr. 4 no.5:7-11 My '59. (MIRA 12:7)

(Excavating machinery)

MUKHIN, A.S., inzhener; VOLKOV, K.V., inzhener.

Combined hoisting mechanism for excavators E-1003 and E-1004. Mekh.stroi. 10 no.10:9-10 O '53. (MLRA 6:9)
(Excavating machinery)

VOLKOV, K.V., inzhener.

Longitudinal and lateral stability of single shovel excavators.
Mekh.stroi. 11 no.11:26-28 N '54. (MLRA 7:12)
(Excavating machinery)

ABRAMOV, S.K., kand.tekhn.nauk; AVERSHIN, S.G., prof., doktor tekhn.nauk; AMMOSOV, I.I., doktor geol.-min.nauk; ANDRIYEVSKIY, V.D., inzh.; ANTROPOV, A.N., inzh.; AFANAS'YEV, B.L., inzh.; BERGMAN, Ya.V., inzh.; BLOKHA, Ye.Ye., inzh.; BOGACHEVA, Ye.N., inzh.; BUKRINSKIY, V.A., kand.tekhn.nauk; VASIL'YEV, P.V., doktor geol.-min.nauk; VINOGRADOV, B.G., inzh.; GOLUBEV, S.A., inzh.; GORDIYENKO, P.D., inzh.; GUSEV, N.A., kand.tekhn.nauk; DOROKHIN, I.V., kand.geol.-min.nauk; KALMYKOV, G.S., inzh.; KASATOCHKIN, V.I., doktor khim.nauk; KOROLEV, I.V., inzh.; KOSTLIVTSEV, A.A., inzh.; KRATKOVSKIY, L.F., inzh.; KRASHENINNIKOV, G.F., prof. doktor geol.-min.nauk; KRIKUNOV, L.A., inzh.; LEVIT, D.Ye., inzh.; LISITSA, I.G., kand.tekhn.nauk; LUSHNIKOV, V.A., inzh.; MATVEYEV, A.K., dots., kand.geol.-min.nauk; MEPURISHVILI, G.Ye., inzh.; MIRONOV, K.V., inzh.; MOLCHANOV, I.I., inzh.; NAUMOVA, S.N., starshiy nauchnyy sotrudnik; NEKIPELOV, V.Ye., inzh., PAVLOV, F.F., doktor tekhn.nauk; PANYUKOV, P.N., doktor geol.-min.nauk; POPOV, V.S., inzh.; PYATLIN, M.P., kand.tekhn. nauk; RASHKOVSKIY, Ya.E., inzh.; ROMANOV, V.A., prof., doktor tekhn. nauk; RYZHOV, P.A., prof., doktor tekhn.nauk; SELYATITSKIY, G.A., inzh.; SPERANSKIY, M.A., inzh.; TERENT'YEV, Ye.V., inzh.; TITOV, N.G., doktor khim.nauk; GOKAREV, I.F., inzh.; TROYANSKIY, S.V., prof., doktor geol.-min.nauk; FEDOROV, B.D., dots., kand.tekhn.nauk; FEDOROV, V.S., inzh. [deceased]; KHOMENTOVSKIY, A.S., prof., doktor geol.-min.nauk; TROYANOV-SKIY, S.V., otvetstvennyy red.; TERPIGOREV, A.M., red.; KRIKUNOV, L.A., red.; KUZNETSOV, I.A., red.; MIRONOV, K.V., red.; AVERSHIN, S.G., red.; BURTSEV, M.P., red.; VASIL'YEV, P.V., red.; MOLCHANOV, I.I., red.; RYZHOV, P.A., red.; BALANDIN, V.V., inzh., red.; BLOKH, I.M., kand. tekhn.nauk, red.; BUKRINSKIY, V.A., kand.tekhn.nauk, red.; VOLKOV, K.Yu., inzh., red.; VOROB'YEV, A.A., inzh., red.; ZVONAREV, K.A., prof. doktor tekhn.nauk, red.

(Continued on next card)

AHRAMOV, S.K.--- (continued) Card 2.

ZDANOVICH, V.G., prof.,doktor tekhn.nauk,red.; IVANOV, G.A., doktor geol.-min.nauk, red.; KARAVAYEV, N.M., red.; KOROTKOV, G.V., kand.geol.-min.nauk, red.; KOROTKOV, M.V., kand.tekhn.nauk, red.; MAKKAVEYEV, A.A., doktor geol.-min.nauk, red.; OMEL'CHENKO, A.N.,kand.tekhn.nauk,red.; SENDERZON, E.M.,kand.geol.-min.nauk, red.; USHAKOV, I.N., dots., kand. tekhn.nauk, red.; YABLOKOV, V.S., kand.geol.-min.nauk,red.; KOROLEVA, T.I., red.izd-va; KACHALKINA, Z.I., red.izd-va; PROZOROVSKAYA, F.L., tekhn.red.; NADEINSKAYA, A.A., tekhn.red.

[Mining; an encyclopedia handbook] Gornoe delo; entsiklopedicheskii spravochnik. Glav. red. A.M.Terpigorev. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po ugol'noi promyshl. Vol.2. [Geology of coal deposits and surveying] Geologiia ugol'nykh mestorozhdenii i marksheiderskoe delo. Redkolegiia toma S.V.Troianskiy. 1957. 646 p. (MIRA 11:5)

1. Chlen-korrespondent AN SSSR (for Karavayev)
(Coal geology--Dictionaries)

VOLKOV, K. YU.

ГЕРМАНИЙ И НЕКОТОРЫЕ РЕДКИЕ
И РАССЕЯННЫЕ ЭЛЕМЕНТЫ В УГЛЕ

М. А. Мешковский, А. Н. Александрова, К. Ю. Волков,
С. А. Горлов, Л. В. Петрусевич

VIII Mendeleyev Congress for General and Applied Chemistry
Section of Chemistry and Chemical Technology of Fuels,
publ. by Acad. Sci. USSR, Moscow 1959

abstracts of reports scheduled to be presented at above mentioned congress,
Moscow, 15 March 1959.

VOLKOV, K.Yu.

New data on the distribution of some rare and trace elements in clays and coals of the Moscow Basin. Mat.po geol.i pol.iskop. tsentr.raion.evrop.chasti SSSR no.5:183-184 '62.

(MIRA 16:6)

(Moscow Basin--Coal--Analysis)

AMMOSOV, I.I., red.; BURTSEV, D.N., red.; GORYUNOV, S.V., red.; GUSEV, A.I., red.; KOROTKOV, G.V., red.; KOTLUKOV, V.A., red.; KUZNETSOV, I.A., red.; MIRONOV, K.V., red.; MOLCHANOV, I.I., red.; NEKIPELOV, V.Ye., red.; PONOMAREV, T.N., red.; POPOV, V.P., red.; PROKHOROV, S.P., red; SKROBOV, S.A., red.; TYZHNOV, A.V., red.; SHABAROV, N.V., red.; YAVORSKIY, V.I., red.; BOBRYSHEV, A.T., red. toma; VINOGRADOV, B.G., red. toma; VOLKOV, K.Yu., zam. red. toma; LUGOVOY, G.I., zam. red. toma; OGARKOV, V.S., red. toma; SIMONOV, A.V., red. toma; IZRAILEVA, G.A., red.izd-va; IVANOVA, A.G., tekhn. red.

[Geology of coal and combustible shale deposits in the U.S.S.R.]Geologiia mestorozhdenii uglia i goriuchikh slantsev SSSR. Glav.red.I.I.Ammosov i dr. Moskva, Gosgeoltekhizdat. Vol.2. [Moscow Basin and other coal deposits in central and eastern provinces of the European part of the U.S.S.R.]Podmoskovnyi bassein i drugie mestorozhdeniia uglia tsentral'nykh i vostochnykh oblastei Evropeiskoi chasti RSFSR. 1962. 569 p. maps. (MIRA 15:9)

1. Russia (1923- U.S.S.R.)Ministerstvo geologii i okhrany nedr.

(Coal geology)

GORDON, S.A.; VOLKOV, K.Yu.; MENKOVSKIY, M.A.

Germanium content in coal[with summary in English]. Geokhimiia no. 4:384-388 '58. (MIRA 11:7)

1. Moskovskiy gornyy institut im. I.V. Stalina.
(Germanium)
(Coal)

AUTHORS: Gordon, S. A., Volkov, K. Yu., Menkovskiy, M. A. SOV/7-58-4-11/13

TITLE: On the Forms of Germanium Content in Coal (O formakh soderzhaniya germaniya v ugle)

PERIODICAL: Geokhimiya, 1958, Nr 4, pp. 384 - 388 (USSR)

ABSTRACT: Brown coal, the dull part (durite), the bright part (vitrite) and a concentrate served as well as mineral coal (gas- and coking coal) for the investigation. The coal samples are characterized in a table (bitumen A, humic acids, mineral contents, germanium content of the ash). Bitumen was extracted in the "Sokslet" apparatus with an alcohol-benzene mixture. Then the humic acids were extracted by repeated working with a 1% soda lye (boiling slightly for 6 hours). The solved substances were separated by centrifuging (25 000 revolutions in 10 minutes). The pit coals were washed out with soda lye with an addition of hydrogen peroxide. The germanium contents of the various extractions are given in a table in their absolute values and in per cent . Furthermore, the dependence of the extraction velocity of

Card 1/2

germanium on the vitrite content of the coal, the extraction of germanium with humic acids, and the dependence of the solubility of germanium on the formation of soluble humic acids in pit coals were calculated. Hence follows that germanium occurs in two forms in the investigated coals: (quantitative data in Table 6): 1) As germanium humate, connected with the organic mass. 2) In the mineral admixtures. There are 6 tables and 5 references, 2 of which are Soviet.

ASSOCIATION: Moskovskiy gornyy institut im. I. V. Stalina
(Moscow Mining Institute imeni I. V. Stalin)

SUBMITTED: September 29, 1957

1. Germanium--Determination 2. Germanium--Sources 3. Germanium --Separation 4. Coal--Chemical analysis

VOLKOV, K.Yu.

Tectonic structure and some regularities of coal measures in the southwestern region of the Moscow Basin. Trudy Lab. geol.ugl. no.6:391-397 '56. (MLRA 10:2)

1. Geologicheskoye upravleniye upravleniye tsentral'nykh rayonov.

(Moscow Basin--Coal geology)

VOLKOV, L.; GOLUBEV, A.

Contribution to the technological characteristics of centrifugal purifiers. Tr. from the Russian. p. 127.
(PAPIR A CELULOSA, vol. 10, no. 7, July 1955, Praha)

SO: Monthly List of East European Accession,(EEAL), LC, Vol. 4, No. 11 Nov. 1955, Uncl.

CHOS, S.; VOLKOV, L.; VORONOVSKIY, R.

Improve the establishing of labor norms in the food industry.
Sots. trud. no.6:89-93 Je '58. (MIRA 11:6)

1.Nachal'nik otdela organizatsii truda i zarabotnoy platy upravleniya promyshlennosti prodovol'stvennykh tovarov Mosgorsovnarkhoza (for Chos). 2.Starshiy inzhener otdela organizatsii truda i zarabotnoy platy upravleniya promyshlennosti prodovol'stvennykh tovarov Mosgorsovnarkhoza (for Volkov, Voronovskiy).
(Food industry)

VOLKOV, L.

"Some experiences drawn from operating rotary screens. Tr. from the Russian," p. 337. (PRZEGLAD PAPIERNICZY. Vol. 10, No. 11, Nov. 1954. Lodz, Poland)

SO: Monthly List of East European Accessions. (EEAL). LC. Vol. 4, No. 4. April 1955. Uncl.

VOLKOV, L.

Storage of corn seeds. Zemledelie 24 no.2:57-58 F '62.
(MIRA 15:3)

1. Glavnyy agronom po semenovodstvu kukuruzy Stavropol'skogo kraysel'khozupravleniya.
(Corn (Maize)--Storage)

VOLKOV, L., kand.arkhitektury

Standard for apartment houses in Estonia. Zhil. stroi. no.9:28-29 '62. (MIRA 16:2)
(Estonia—Apartment houses)

VOLKOV, L.; IVANOV, D.

New form of the letter of credit in international payments. Den. i kred. 21 no.6:78-82 Je '63. (MIRA 16:8)
(Balance of payments)

KIRCHEVSKAYA, I.Yu.; VOLKOV, L.A.; TIMOFEYEVA, G.V.; MEDVEDEV, S.S., akademik

Stationary and nonstationary processes of butadiene polymerization catalyzed by the system $R_2AlCl - CoCl_2(Py)_2$. Dokl. AN SSSR 163 no.2: 375-378 Jl '65. (MIRA 18:7)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V. Lomonosova.

VOLKOV, L.A., inzh.

Form equipment for the manufacture of reinforced concrete pipes by the centrifugal method. Stroi. i dor.mash. 9 no.10:21-24 O '64. (MIRA 18:1)

TRUNIN, A.P., inzh.; VOLKOV, L.A., inzh.

Some problems in revising large-scale maps. [Trudy] VNIMI no. 33:168-190 '58. (MIRA 14:5)
(Mine maps)

ZAVERYUKHA, Nikita Vasil'yevna, inzh.; BIGEYEV, Abdrashit Museyevich, kand.tekhn.nauk; VOLKOV, Leonid Andreyevich, inzh.; BEZDEZHNYKH, Aleksey Andreyevich, kand.tekhn.nauk; PANFILOV, M.I., inzh., red.; TSYMBALIST, N.E., red.izd-va; MATLYUK, R.M., tekhn.red.

[Steel pouring in modern open-hearth furnace plants] Razlivka stali v sovremennykh martenovskikh tsekhakh. Sverdlovsk, Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii. Sverdlovskoe otd-nie, 1959. 215 p. (MIRA 13:3)
(Open-hearth process) (Steel castings)

VOLKOV, L.A., inzhener; ZAVERYUKHA, N.V., inzhener.

Steel pouring ladles and their use. Metallurg 2 no.1:37-39 Ja '57. (MLRA 10:4)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Open hearth process)

VOLKOV, L.A.

PHASE I BOOK EXPLOITATION SOV/3942

Zaveryukha, Nikita Vasil'yevich, Engineer, Abdrashit Museyevich Bigeyev, Candidate of Technical Sciences, Leonid Andreyevich Volkov, Engineer, and Aleksey Andreyevich Bezdenezhnykh, Candidate of Technical Sciences

Razlivka stali v sovremennykh martenovskikh tsekhakh (Teeming of Steel in Modern Open-Hearth Furnace Plants) Sverdlovsk, Metallurgizdat, Sverdlovskoye otd-niye, 1959. 215 p. Errata slip inserted. 2,800 copies printed.

Ed.: M.I. Panfilov; Ed. of Publishing House: N.N. Tsymbalist; Tech. Ed.: R.M. Matlyuk.

PURPOSE: This book is intended for technical personnel of open-hearth furnace plants in the metallurgical and machine industries. It may also be useful to students of tekhnikums and schools of higher technical education.

COVERAGE: The book reviews problems connected with the crystallization theory, the structure of ingots and ingot defects, their causes, and preventive measures. Modern methods of steel teeming are reviewed in detail, and equipment used at open-hearth plants is described. Work organization, automation and mechanization of certain processes, and safety measures are outlined. The following engineers

Card 1/4

took part in the writing of the book: N.I. Lopukhov, V.M. Kalashnikov, and I.S. Tkachev. The authors also thank D.P. Strugovshchikov, Engineer, N.F. Dubrov, Candidate of Technical Sciences, A.N. Morozov, Doctor of Technical Sciences, and M.I. Panfilov, Engineer, for their assistance. There are 48 references: 42 Soviet (including one translation), 4 German, and 2 English.

TABLE OF CONTENTS:

VOLKOV, L.A., inzh.

Hydraulic jack with variable-speed piston motion. Stroi. i dor. mash. 6 no 5:31-34 My '61. (MIRA 14:6)
(Hydraulic jacks)

SEVBO, G.S.; VOLKOV, L.A.

Low-frequency amplifier equipped with P4 triodes and used in a servosystem. Poluprov.prib. i ikh prim. no.3:247-252 '58. (MIRA 12:4)

(Transistor amplifiers)

LAMOCHKIN, A.G., inzh.; VOLKOV, L.A., inzh.

Forming unit used for making reinforced concrete components by means of vibrating-rolling techniques. Stroi. i dor. mashinostr. 4 no.2:23-25 F '59. (MIRA 12:2)
(Reinforced concrete construction)

VOLKOV, L.A., inzh; LAMOCHKIN, A.G., inzh.

New equipment for drawing stands used in making prestressed reinforced concrete components. Stroi.i dor.mashinostr. 3 no.10:24-27 O '58. (MIRA 11:11)
(Prestressed concrete construction)

AUTHOR: Volkov, L.A. and Zaveryukha, N.V., Engineers at the Magnitogorsk Metallurgical Combine. 247

TITLE: Steel teeming ladles and their use. (Staleraslivochnye kovshi i ikh ekspluatatsiya.)

PERIODICAL: "Metallurg" (Metallurgist), 1957, No. 1, pp. 37 - 39, (U.S.S.R.)

ABSTRACT: The inter-works school on steel teeming have compared ladle design at different works and made recommendations. They suggest that, in view of the satisfactory operation of Zaporozhstal teeming ladles with 15 tons less metalwork than the 40 tons of the standard design, there is room for improvement. Stopper mechanisms and tilting devices developed at Magnitogorsk (described in some detail) should become universal There was no standardisation of spout arrangement, some works having two and others one per ladle, and there were differences in nozzle practice. For relining and preparing ladles, Magnitogorsk practice (described in detail) was found to require 35 min. of crane time per ladle, whereas, at Novo Tagil, the figure was 75. The school recommend that all works should follow a strict time schedule for ladle inspection and maintenance and that all stopper mechanisms should have the handle on the "cold" side.
1 photo and 1 sketch.

ZAVERYUKHA, N.V., inzhener; VOLKOV, L.A., inzhener.

Work organization in the pouring bay of an open-hearth plant. Metallurg no.6:23-25 Je '56. (MLRA 9:9)

1.Zamestitel' nachal'nika martenovskogo tsekha No.1 (for Zaveryukha). 2.Nachal'nik issledovatel'skogo sektora OOT (for Volkov).3.Magnitogorskiy metallurgicheskiy kombinat.
(Open-hearth process)

VOLKOV, L.A., inzhener.

Crab transporter devices. Nov.tekh. i pered. op. v stroi. 18 no.7:25-26 Jl '56. (MLRA 9:9)
(Hoisting machinery)

VOLKOV, L.A., inzh.

Centrifuges for producing reinforced concrete pipes. Mekh i dor. mash. 8 no.12: 22-27 D'63 (MIRA 17:7)

TRUNIN, A.F., kand. tekhn. nauk; VOLKOV, L.A., inzh.

Construction and adjustment of an aeroradio leveling network.
[Trudy]VNIIMI no.50:368-381 '63.
(MIRA 17:10)

VOLKOV, L.F.;KHOKHLOV, A.V.

Clinical significance of contrast roentgenography of maxillary sinuses. Vest. otorinolar., Moskva 14 no.6:28-30 Nov-Dec 1952. (CLML 23:4)

1. Candidate Medical Sciences for Volkov. 2. Sovetskaya Gavan'.

VOLKOV, L. F.

Functional Changes in Stomach of Dysentery Patients.

VOYENNO-MEDITSINSKIY ZHURNAL (MILITARY MEDICAL JOURNAL), No 12, 1954. p.29

VOLKOV, L.F., kandidat meditsinskikh nauk (g. Korsakov, Yuzhnyy Sakhalin)

Functional disorders of the stomach and duodenum in helminthiases.
Klin.med. 33 no.7:90 Jl '55. (MLRA 8:12)
(HELMINTH INFECTIONS, pathology,
duodenum & stomach)
(DUODENUM, in various diseases,
helminth infect.)
(STOMACH, in various diseases,
helminth infect.)

VOLKOV, L. F. and YEGOROVA, A. P.

Dynamics of the Blood Compliment Titration in the Case of Radiation Sickness Combined With Other Injuries.

Voyenno-meditsinskiy zhurnal, No. April 1956

MAKSIMOV, V.P.; VOLKOV, L.F.

Studying the process of paraffin deposition in a single-pipe oil gathering system in fields of Western Siberia. Neftepprom. delo no.10:31-34 '65.

(MIRA 19:1)

1. Giprotyumenneftegaz.

MAZEPA, B.A.; VOLKOV, L.F.

Nature and special features of paraffin deposition in gathering systems of simultaneous oil and gas transportation; based on work experience in experimental sectors of the Tatar fields. Nefteprom. delo no.7:17-20 '63. (MIRA 17:2)

1. Tatarskiy neftyanoy nauchno-issledovatel'skiy institut.

ALEKSANDROV,N.N.; RYZHKOV, S.V.; SUKOVATYKH, L.S.; CHALISOV, I.A.; CHESNOKOV, G.B.;KISELEVA, Ye.I.; BUBNOVA, R.N.; RAMZEN-YEVDOKIMOV, I.G.; SHAMOV, Vladimir Nikolayevich, prof., zas. deyatel' nauki, red.; VOLKOV,L.F., red.; KOSTAKOVA,M.S., tekhn.red.; LEBEDEVA,Z.V., tekhn.red.

[Wounds of the skull and brain in acute radiation sickness]Raneniia cherepa i golovnogo mozga pri ostroi luchevoi bolezni. Pod red. V.N. Shamova. Leningrad, Medgiz, 1962. 174 p. (MIRA 15:3)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Shamov).
(RADIATION SICKNESS) (BRAIN—WOUNDS AND INJURIES)
(SKULL—WOUNDS AND INJURIES)

VOLKOV, L.F., kand.med.nauk

Primary suture and antibiotic therapy of gunshot wounds of the joint. Khirurgiia 34 no.2:28-36 F '58. (MIRA 11:4)

1. Iz kliniki gospital'noy khirurgii (nachal'nik - prof. I.S. Kolesnikov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.

(JOINTS, wds. & inj.
gunshot wds., results of primary suturing & antibiotic ther. (Rus))
(ANTIBIOTICS, ther. use
gunshot wds. of joints, with primary suturing, results (Rus))

VOLKOV, L.F., kandidat meditsinskikh nauk

Pathogenesis and diagnosis of osteochondritis dissecans of the knee joints. (König's disease). Vest.rent. i rad. 31 no.6:35-41 N-D '56. (MLRA 10:2)

(OSTEOCHONDRITIS
dissecans, of knee, diag. & pathogen.)
(KNEE, dis.
osteochondritis dissecans, diag. & pathogen.)

ACC NR: AP7005601 SOURCE CODE: UR/0413/67/000/002/0040/0040

INVENTOR: Dunayev, A. S.; Gipsman, I. K.; Katsin, V. M.; Chursin, D. G.; Volkov, L. G.

ORG: None

TITLE: A current density analyzer. Class 21, No. 190408

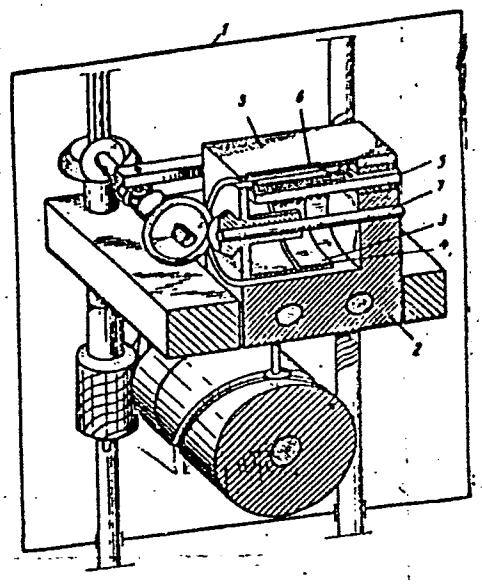
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 40

TOPIC TAGS: current density, electron beam, measuring instrument

ABSTRACT: This Author's Certificate introduces an instrument for analyzing the current density of an electron beam. The installation contains a vacuum chamber, a mechanical scanner with a helically slotted rotating drum, and a collector. For rapid and thorough analysis of electron-beam structure, the mechanical scanner is made in the form of a carriage with a rectangular slot which moves both lengthwise and crosswise with respect to the beam. The drum is located inside the carriage and the collector is placed within the drum along its axis under the rectangular slot.

Card 1/2 UDC: 621.397.331.1

ACC NR: AP7005601



1--vacuum chamber; 2--mechanical scanner; 3--rotating drum; 4--helical slot; 5--collector; 6--rectangular slot; 7--drum axle

SUB CODE: 14, 09/ SUBM DATE: 01Sep64

Card 2/2

VOLKOV, L.G.; KISRIYEV, S.A., agronom po zashchite rasteniy

In cooperation with the scientists of the Nikita Botanical Garden. Zashch. rast. ot vred. i bol. 7 no.10:9-11 O '62. (MIRA 16:6)

1. Direktor sovkhoza im. Chkalova (for Volkov).
(Crimea--Plants, Protection of)

GARBER, K.S., dotsent; NIKITIN, A.I.; LYAUDIS, B.V.; MALINOVSKIY, B.N., kand. tekhn.nauk; BEL'SKIY, O.I.; VOLKOV, L.G.; KUZNETSOV, M.P.; KUTSENKO, A.D., SOROKIN, A.A.; STAKHURSKIY, A.D.; TRUBITSYN, L.M.; TRUSEYEV, A.I.; SHAFRAN, I.K., inzh.; SHESTAK, P.I.; UL'YANOV, D.P.

Automatic control of converter smelting by means of compu' rs. Stal' 23 no. 7:608-610 Jl '63. (MIRA 16:9)

1. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz im. M.I. Arsenicheva (for Garger). 2. Institut kibernetiki AN UkrSSR (for Malinovskiy). 3. Zavod im. Dzerzhinskogo (for Shafran).

GARGER, K.S.; SERGIYENKO, I.V.; VOLKOV, L.G.

Using computers for calculating the chemical composition of the cast iron poured from the mixer into the converter. Met.i gornorud. prom. no. 2:24-26 Mr-Ap '64. (MIRA 17:9)

S/113/60/000/005/004/004
D264/D301

AUTHORS: Rezvov, K.M., Pavlyuchuk, A.I., Candidates of Technical Sciences, Panin, G.I., Vologzhaninov, N.I., Shkol'nik, A.M., Yakovlev, I.S. and Volkov, L.I.

TITLE: Thermal high frequency welding of plastic carburettor floats

PERIODICAL: Avtomobil'naya promyshlennost', no. 5, 1960, 41-43

TEXT: TsNITA has developed a device for the thermal high-frequency welding of carburettor floats made of polycaprolactam. Plain thermal welding was tried but failed to give a reliable hermetic seal. Gluing gave a good seal but required a prolonged drying time. The device (Fig. 3) consists of an ЛГД-1 (LGD-1) high-frequency generator and a semi-automatic welding machine. The use of 2 generator tubes gives a power of1kwt and a working frequency of 25 Mc. Power from the electric motor 4 is transmitted via a gear train and screw gear to the coaxially mounted cams 5 and 6. The spindle 1 derives its reciprocation from cam 6, while cam 5 serves to trim off the

Card 1/3

Thermal high frequency welding...

outer beading and eject the welded float from the bottom punch 3. Welding is regulated by adjusting the gap between the top and bottom punches 2 and 3 (by adjusting the carriage 7) and by varying the feed-back inductance. The punch faces must be positioned in parallel, with a divergence of not more than 0.02-0.03 mm. The punches are also set to ensure the formation of a slight beading of the seam inside the float, since this makes for greater hermeticity. Welding time varies from 5 to 12 seconds, depending on the float size. The method is recommended for introduction in Soviet automobile plants. There are 3 diagrams.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy i konstruktorskiy institut toplivnoy apparatury avtotrakторnykh i statsionarnykh dvigateley (Central Scientific Research and Design Institute for the Fuel Apparatus of Automotive and Stationary Engines)

RUBAKHIN, A. A.; VOLKOV, L. L.

Electric Motors, Induction

Raising the capacity coefficient of insufficiently loaded asynchronous electric motors. Torf. prom. 30, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified

VOLKOV-LANNIT, L.

What you should know about a phonorecord. IUn. tekh. 4 no.9:60-62 S '59. (MIRA 12:12)
(Phonorecords)

VOLKOV-LANNIT, L.

Head of the family (continuation). IUn.tekh. 5 no.9:58-63 S '60. (MIRA 13:10)

(Phonograph)

VOLKOV-LANNIT, L.

Art of the portrait photographer. Sov.foto 20 no.10:35-37 O'60. (MIRA 13:10)

(Photography--Portraits)

RESVOV, K.M., kand.tekhn.nauk; PAVLYUCHUK, A.I., kand.tekhn.nauk; PANIN, G. I.; VOLOGZHANINOV, N.I.; SHKOL'NIK, A.M.; YAKOVLEV, I.S.; VOLKOV, L.I.

Use of high-frequency induction heating for welding plastic carburetor floats. Avt. prom. no.5:41-43 My '60. (MIRA 14:3)

1. TSentral'nyy nuachno-issledovatel'skiy i konstruktorskiy institut toplivony apparatury avtotraktornykh i statsionarnykh dvigateley (TsNITA).

(Plastics) (Induction heating)

VOLKOV, L. M.

Tobacco Industry

Greater attention to problems of production economics. Tabak 14, No. 1, 1953.

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

VOLKOV, Leonid Mikhaylovich, VISHNEVSKIY, Serafin Mikhailovich, MOISEYEV, P.N., retsenzent, DONSKOV, V.Ye., retsenzent, TOLCHENOV, T.V., spets.red.; FUKS, V.K., red.; KISLNA, Ye.I., tekhn.red.

[Organization of production in a tobacco factory] Organizatsiia proizvodstva na tabachnoi fabrike. Moskva, Pishchepromizdat, 1957. 93 p. (MIRA 11:9)
(Tobacco industry)

SUBJECT: USSR/Housing

AUTHOR: Volkov, L.M.

TITLE: Types of Multi-Dwelling Buildings in Tallin during the Second Half of 19th and the Beginning of 20th Centuries (Tipy massovykh mnogokvartirnykh zhilykh domov v gorode Talline vtoroy poloviny 19 - nachala 20 vekov)

PERIODICAL: Izvestiya Akademii Nauk Estonskoy SSR, Seriya Tekhnicheskikh i Fiziko-Matematicheskikh Nauk, 1957, # 3, pp 289-296 (USSR)

ABSTRACT: The author describes the history of the initial period of development of modern multi-dwelling buildings in the city of Tallin and depicts architectural styles of various types of buildings used.

The article contains 2 photos and 6 plans. There are 6 references, 5 of which are Slavic.

ASSOCIATION: Institute of Construction and Building Materials of the Estonian Academy of Sciences.

PRESENTED BY:

SUBMITTED: On 21 February 1957

AVAILABLE: At the Library of Congress.

Card 1/1

VOLKOV, L. M.

VOLKOV, L. M.: "Experimental investigation of stresses in ship hulls, and an analysis of the causes of discrepancies between actual and calculated stresses". Gor'kiy, 1955. Min River Fleet USSR. Administration of Educational Institutions. Gor'kiy Inst of Water Transport Engineers, Chair of Strength of Materials. (Dissertations for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya letopis', No. 52, 24 Dedember, 1955. Moscow.

14(SOV/23-59-1-2/10

AUTHOR: Volkov, L.M.

TITLE: Types of Mass Multi-Flat Residential Houses in the City of Tallin in the Twenties and Thirties of the Twentieth Century (Tipy massovykh mnogokvartirnykh zhilykh domov v gorode Talline 20 - 30-kh godov XX veka)

PERIODICAL: Izvestiya Akademii nauk Estonskoy SSR, 1959, Nr 1, pp 13 - 26 (USSR)

ABSTRACT: In this article the author gives descriptions of single-section wooden houses and multi-section masonry houses, that became typical for Tallin after the end of World War I. There are 8 floor plans, 4 photos, 1 table and 6 Soviet references.

ASSOCIATION: Institut stroitel'stva i stroitel'nykh materialov Akademii nauk Estonskoy SSR (Institute of Construction and Construction Materials of the Academy of Sciences of the Estonian SSR)

SUBMITTED: June 20, 1958

Card 1/1

ACC NR: AR6034804 (N) SOURCE CODE: UR/0398/66/000/008/A022/A022

AUTHOR: Volskiy, M. I.; Volkov, L. M.; Anisimova, N. I.

TITLE: Experimental investigation of strength of ships' hulls

SOURCE: Ref. zh. Vodnyy transport, Abs. 8A128

REF SOURCE: Tr. Gor'kovsk. in-ta inzh. vodn. transp., vyp. 68, 1966, 90 str.

TOPIC TAGS: ship navigation, shipbuilding engineering, ship, strength test, /"Volgo Don 1", "Volgo Don 2", general cargo river vessel, "Inzhener Belov", "Khorol" cotton and timber carrier

ABSTRACT: The Department of Resistance of Materials of the Gor'kiy Institute of Water Transportation Engineers, and the Scientific-Research Laboratory of Material Testing, Ministry of the River Fleet carried out on-the-spot strength tests to determine the reasons for the discrepancy between rated stresses and real ones in ships. The strength tests were carried out on the "Inzhener Belov" and "Khorol" cotton and timber carriers (5327 tons displacement) destined to sail on the Caspian Sea, and on that of the "Volgo-Don-1" and "Volgo-Don-3" general cargo river vessels of 200 tons displacement. The article presents the technical

Card 1/2 UDC: 669.12:624.02/09

ACC NR: AR6034804

characteristics of the ships, the testing methods, and the results obtained. When moving the ships from the cages to the plunzer carriage, a bending movement, which was called the shipway movement, was found and should be taken into consideration when calculating the vessel for strength. A formula to determine the shipway movement is proposed, the magnitude of which is commensurable with the magnitude of the calculated bending moment. The magnitudes of temperature stresses occurring in the hulls of ships owing to the difference of temperature in parts of the hull above and below water are also given. Orig. art. has: 55 figures. Ye. Sukacheva. [Translation of abstract]

SUB CODE: 13/

Card 2/2

Vdadov I. M.

ANDON'YEV, V.L.; BAUM, V.A.; BAUMGARTEN, N.K.; BEREZIN, V.D.; BIRYUKOV, I.K.; BIRYUKOV, S.M.; BLOKHIN, S.I.; BOROVOY, G.A.; BULEV, M.Z.; BURAKOV, N.A.; VERTSAYZER, B.A.; VOVK, G.M.; VORMAN, B.A.; VOSKRESENSKIY, A.P.; GALAKTIONOV, V.D., kand. tekhn. nauk; GENKIN, Ye.M.; GIL'DENBLAT, Ya.D., kand. tekhn. nauk; GINZBURG, M.M.; GLEBOV, P.S.; GODES, E.G.; GORBACHEV, V.N.; GRZHIB, B.V.; GREKULOV, L.F., kand. s.-kh. nauk; GRODZENSKAYA, I.Ya.; DANILOV, A.G.; DMITRIYEV, I.G.; DMITRIYENKO, Yu.D.; DOBROKHOTOV, D.D.; DUBININ, L.G.; DUNDUKOV, M.D.; ZHOLIK, A.P.; ZENKEVICH, D.K.; ZIMAREV, Ye.V.; ZIMASKOV, S.V.; ZUBRIK, K.M.; KARANOV, I.F.; KNYAZEV, S.N.; KOLEGAYEV, N.M.; KOMAREVSKIY, V.T.; KOSENKO, V.P.; KORENISTOV, D.V.; KOSTROV, I.N.; KOTLYARSKIY, D.M.; KRIVSKIY, M.N.; KUZNETSOV, A.Ya.; LAGAR'KOV, N.I.; LGALOV, V.G.; LIKHACHEV, V.P.; LOGUNOV, P.I.; MATSKEVICH, K.F.; MEL'NICHENKO, K.I.; MENDELEVICH, I.R.; MIKHAYLOV, A.V., kand. tekhn. nauk; MUSIYEVA, R.N.; NATANSON, A.V.; NIKITIN, M.V.; OTES, I.S.; OGUL'NIK, G.B.; OSIPOV, A.D.; OSMER, N.A.; PETROV, V.I.; PERYSHKIN, G.A., prof.; P'YANKOVA, Ye.V.; RAPOPORT, Ya.D.; REMEZOV, N.P.; ROZANOV, M.P., kand. biol. nauk; ROGHEGOV, A.G.; RUBINCHIK, A.M.; RYBCHEVSKIY, V.S.; SADCHIKOV, A.V.; SEMENTSOV, V.A.; SIDENKO, P.M.; SINYAVSKAYA, V.T.; SITAROVA, M.N.; SOSNOVIKOV, K.S.; STAVITSKIY, Ye.A.; STOLYAROV, B.P. [deceased]; SUDZILOVSKIY, A.O.; SYRTSOVA, Ye.D., kand. tekhn. nauk; FILIPPSKIY, V.P.; KHALTURIN, A.D.; TSISHEVSKIY, P.M.; CHERKASOV, M.I.; CHERNYSHEV, A.A.; CHUSOVITIN, N.A.; SHESTOPAL, A.O.; SHEKHTER, P.A.; SHISHKO, G.A.; SHCHERBINA, I.N.; ENGEL', F.F.; YAKOBSON, A.G.; YAKUBOV, P.A., ARKHANGEL'SKIY,

(Continued on next card)

ANDON'YEV, V.L.... (continued) Card 2.
Ye.A., retsenzent, red.; AKHUTIN, A.N., retsenzent, red.; BALASHOV, Yu.S., retsenzent, red.; BARABANOV, V.A., retsenzent, red.; BATUNER, P.D., retsenzent, red.; BORODIN, P.V., kand. tekhn. nauk, retsenzent, red.; VALUTSKIY, I.I., kand. tekhn. nauk, retsenzent, red.; GRIGOR'YEV, V.M., kand. tekhn. nauk, retsenzent, red.; GUBIN, M.F., retsenzent, red.; GUDAYEV, I.N., retsenzent, red.; YEMEMOLOV, A.I., kand. tekhn. nauk, retsenzent, red.; KARAULOV, B.F., retsenzent, red.; KRITSKIY, S.N., doktor tekhn. nauk, retsenzent, red.; LIKIN, V.V., retsenzent, red.; LUKIN, V.V., retsenzent, red.; LUSKIN, Z.D., retsenzent, red.; MATRIROSOV, A.Kh., retsenzent, red.; MENDELEYEV, D.M., retsenzent, red.; MENKEL', M.F., doktor tekhn. nauk, retsenzent, red.; OBREZKOV, S.S., retsenzent, red.; PETRASHEN', P.N., retsenzent, red.; POLYAKOV, L.M., retsenzent, red.; RUMYANTSEV, A.M., retsenzent, red.; RYABCHIKOV, Ye.I., retsenzent, red.; STASENKOV, N.G., retsenzent, red.; TAKANAYEV, P.F., retsenzent, red.; TARANOVSKIY, S.V., prof., doktor tekhn. nauk, retsenzent, red.; TIZDEL', R.B., retsenzent, red.; FEDOROV, Ye.M., retsenzent, red.; SHEVYAKOV, M.N., retsenzent, red.; SHMAKOV, M.I., retsenzent, red.; ZHUK, S.Ya. [deceased], akademik, glavnyy red.; FILSO, G.A., kand. tekhn. nauk, red.; FILIMONOV, N.A., red.; VOLKOV, [illegible] N., red.; GRISHIN, M.M., red.; ZHURIN, V.D., prof., doktor tekhn. nauk, red.; KOSTROV, I.N., red.; LIKHACHEV, V.P., red.; MEDVEDEV, V.M., kand. tekhn. nauk, red.; MIKHAYLOV, A.V., kand. tekhn. nauk, red.; PETROV, G.D., red.; RAZIN, N.V., red.; SOBOLEV, V.P., red.; FERINGER, B.P., red.; FREYGOFER,
(Continued on next card)

ANDON'YEV, V.L.... (continued) Card 3.

Ye.F., red.; TSYPLAKOV, V.D. [deceased], red.; KORABLINOV, P.N., tekhn. red.; GENKIN, Ye.M., tekhn. red.; KACHEROVSKIY, N.V., tekhn. red.

[Volga-Don; technical account of the construction of the V.I. Lenin Volga-Don Navigation Canal, the TSimlyansk Hydroelectric Center, and irrigation systems] Volgo-Don; tekhnicheskii otchet o stroitel'stve Volgo-Donskogo sudokhodnogo kanala imeni V.I. Lenina, TSimlianskogo gidrouzla i orositel'nykh sooruzhenii, 1949-1952; v piati tomakh. Moskva, Gos. energ. izd-vo. Vol.1. [General structural descriptions] Obshchee opisanie sooruzhenii. Glav. red. S.IA. Zhuk. Red. toma M.M. Grishin. 1957. 319 p. Vol.2. [Organization of construction. Specialized operations in hydraulic engineering] Organizatsiia stroitel'stva. Spetsial'nye gidrotekhnicheskie raboty.

(Continued on next card)

ANDON'YEV, V.L.... (continued) Card 4.
Glav. red. S.IA. Zhuk. Red. toma I.N. Kostrov. 1958. 319 p.
(MIRA 11:9)
1. Russia (1923- U.S.S.R.) Ministerstvo elektrostantsii. Byuro tekhnicheskogo otcheta o stroitel'stve Volgo-Dona. 2. Chlen-korrespondent Akademii nauk SSSR (for Akhutin). 3. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Grishin, Razin).
(Volga Don Canal--Hydraulic engineering)

VOLKOV, L. N.

AGAPOV, D.S.; ARTIBILOV, B.M.; VIKTOROV, A.M.; GINTS, A.N.; GOR'KOV, A.V.; GUSYATINSKIY, M.A.; KARPOV, A.S.; KOLOT, I.I.; KOMAREVSKIY, V.T.; KORYAGIN, A.I.; KRIVSKIY, M.N.; KRAYNOV, A.G.; NESTEROVA, I.N.; OBES, I.S., kandidat tekhnicheskikh nauk; SOSNOVIKOV, K.S.; SUKHOTSKIY, S.F.; CHLENOV, G.O.; YUSOV, S.K.; ZHUK, S.Ya., akademik, glavnyy redaktor; KOSTROV, I.N., redaktor; BARONENKOV, A.V., professor, doktor tekhnicheskikh nauk, redaktor; KIRZHNER, D.M., professor, doktor tekhnicheskikh nauk, redaktor; SHESHKO, Ye.F., professor, doktor tekhnicheskikh nauk, redaktor; AVERIN, N.D., inzhener, redaktor [deceased]; GOR'KOV, A.V., inzhener, redaktor; KOMAREVSKIY, V.T., inzhener, redaktor; ROGOVSKIY, L.V., inzhener, redaktor; SHAPOVALOV, T.I., inzhener, redaktor; RUSSO, G.A., kandidat tekhnicheskikh nauk, redaktor; FILIMONOV, N.A., inzhener, redaktor; VOLKOV, L.N., inzhener, redaktor; GRISHIN, M.M., professor, doktor tekhnicheskikh nauk, redaktor; ZHURIN, V.D., professor, doktor tekhnicheskikh nauk, redaktor; LIKHACHEV, V.P., inzhener, redaktor; MEDVEDEV, V.M., kandidat tekhnicheskikh nauk, redaktor; MIKHAYLOV, A.V., kandidat tekhnicheskikh nauk, redaktor; PETROV, G.D., inzhener, redaktor; RAZIN, N.V., redaktor; SOBOLEV, V.P., inzhener, redaktor; FRINGER, B.P., inzhener, redaktor; TSYPLAKOV, V.D., inzhener, redaktor; ISAYEV, N.V., redaktor; TISTROVA, O.N., redaktor; SKVORTSOV, I.M., tekhnicheskiy redaktor

[The Volga-Don Canal; technical report on the construction of the Volga-Don Canal, the TSimlyanskaya hydro development and irrigation works (1949-1952); in five volumes] Volgo-Don; tekhnicheskii otchet

(continued on next card)

AGAPOV, D.S. --- (continued) Card 2.
o stroitel'stve Volgo-Donskogo sudokhodnogo kanala imeni V.I.Lenina. TSimlianskogo gidrouzla i orositel'nykh sooruzhenii (1949-1952) v piati tomakh. Glav.red. S.IA. Zhuk. Moskva, Gos.energ. izd-vo. Vol.5. [Quarry management] Kar'ernoe khoziaistvo. Red.toma I.N. Kostrov. 1956. 172 p. (MLRA 10:4)

1. Russia (1923- U.S.S.R.) Ministerstvo elektrostantsii. Byuro tekhnicheskogo otcheta o stroitel'stve Volgo-Dona. 2. Deystvitel'nyy cheln Akademii stroitel'stva, i arkhitektury SSSR (for Razin)
(Quarries and quarrying)

VOLKOV, L.N., inzh.

The Stalingrad hydroelectric development reservoir and prospects for its utilization. Gidr. stroi. 31 no.9:13-16 S '61. (MIRA 14:12)
(Volga Hydroelectric Power Station (22d Congress of the CPSU)--Reservoirs)

ACCESSION NR: AT4043070 S/0000/64/000/000/0156/0166

AUTHOR: Chernova, G. P., Tomashov, N. D., Volkov, L. N.

TITLE: A study of the possible use of anodic protection of stainless steel in isobutene extraction processes

SOURCE: Mezhvuzovskaya konferentsiya po anodnoy zashchite metallov ot korrozii. 1st, Kazan, 1961. Anodnaya zashchita metallov (Anodic protection of metals); doklady* konferentsii. Moscow, Izd-vo Mashinostroyeniye, 1964, 156-166

TOPIC TAGS: stainless steel, steel 1Kh18N9T, isobutene extraction, stainless steel corrosion, anodic corrosion protection, stainless steel passivation, steel corrosion, corrosion temperature, isobutylsulfuric acid

ABSTRACT: Stainless steel 1Kh18N9T, proposed as a reactor material for extracting isobutene from cracking gases, according to a process developed at the VNIINefte Khim, was corrosion-tested at 45C in 65% H_2SO_4 and in isobutylsulfuric acid (a complex ester formed when an alcohol radical displaces an H atom in the H_2SO_4 molecule). The results indicate that this material is unsuitable without anodic anticorrosion protection, its unprotected rate of corrosion depending on agitation (intensively employed in extracting

Card 1/2

ACCESSION NR: AT4043070

isobutente) and amounting to 2 or more mm per year. Hence, the authors studied the anodic behavior of stainless steel in these media, with and without agitation, at 25-65C. The results indicate passivation at a potential range of +0.2 to +1.25V. Current density in the passive state ranged from 5 to 10 ma/cm^2 and was practically independent of solution characteristics, temperature or agitation. The rate of corrosion in these media was 0.08 mm/year at 25C and +0.3 to +1.2v. In this potential range for hardened and tempered samples, there was no tendency to intercrystalline corrosion. Orig. art. has: 10 graphs and 1 table.

ASSOCIATION: None

SUBMITTED: 13Mar64 ENCL: 00

SUB CODE: FP, MM NO REF SOV: 010 OTHER: 008

Card 2/2

L 39982-66 EWT(m)/EWP(t)/ETI IJP(c) JD/JG/WB

ACC NR: AP6021072 (N) SOURCE CODE: UR/0365/66/002/002/0122/0126

AUTHOR: Chernova, G. P.; Volkov, L. N.; Tomashov, N. D.

ORG: Institute of Physical Chemistry, Academy of Sciences SSSR (Institut fizicheskoy khimii Akademii nauk SSSR)

TITLE: Study of rhenium and copper buildup on stainless steel surfaces during the process of active dissolution

SOURCE: Zashchita metallov, v. 2, no. 2, 1966, 122-126

TOPIC TAGS: stainless steel, cathode polarization, rhenium, copper, alloying, surface condition, platinum, electrochemistry / Kh25 steel

ABSTRACT: The effects of Cu and Re buildup on stainless steel surfaces was studied during passivation in 1N H_2SO_4 at 25°C. Charging curves are shown in which the potential is given as a function of time for a current density of 300 ma/cm^2. The amount of electricity needed to passivate the steel (Q) was proportional to the passivation time and depended on the preliminary treatment of the surface by cathodic or anodic polarization and varying self dissolution time. After preliminary cathodic polarization, Kh25 steel and Kh25 steel + 0.5% Re had similar anodic charging curves (passivation time τ=70 msec) indicating similar passivation processes. However, after 20 min of self dissolution in 1N H_2SO_4, Kh25 steel had an increased value of τ=140 msec,

UDC: 620.196

Card 1/2

ACC NR: AP6021072

while Kh25 steel + 0.5% Re had two new potential levels with the final level stopping at 140 msec. For Kh25 steel, the increase in dissolution time from 0 to 40 min resulted in an increase in Q from 23 to 65 mcoul/cm^2. In the Re alloyed steel, Q decreased from 23 to 5 mcoul/cm^2 at the first potential level and increased for the two new levels; at a self dissolution time of 40 min this steel was self passivated. Anodic passivation was performed on pure Re, Kh25 steel plated with Re, pure Cu and Kh25 + + 2.56% Cu steel. For pure Re, the potential remained constant at +1.2 v, corresponding to the solution of Re and the formation of ReO_4. By comparing these tests with similar tests on palladium (which readily adsorbs hydrogen during cathodic polarization) it was established that the second step in the anodic curves for Kh25 + 0.5% Re was due to the ionization of adsorbed hydrogen. The electrochemical reactions were $Re + 4H_2O = ReO_4 + 8_H+ + 7e$ for a solution of Re and $Cu=Cu^{++} + 2e$ for Cu. Calculations were made for the theoretical estimate of the Re and Cu concentrations at the steel surface based on the potential levels. Good agreement was obtained for the dependence between the time of preliminary anodic solution in the active state and the quantity of Re or Cu accumulated on the surfaces of the steel. Orig. art. has: 5 figures, 1 table, 2 formulas.

SUB CODE: 07,11/ SUBM DATE: 15May65/ ORIG REF: 007/ OTH REF: 007

Card 2/2 11b

VOLKOV, Leonid Pavlovich; TIKHONOVA, N.V., red.; BARANOVA, N.N., tekhn. red.

[Using motion pictures in studying the fundamentals of technical mechanics]Primenenie kinofil'mov pri izuchenii osnov tekhnicheskoi mekhaniki. Moskva, Profizdat, 1962. 37 p. (MIRA 15:10)

1. Prepodavatel' remeslennogo uchilishcha no.29 Moskvy (for Volkov).

(Motion pictures in education)
(Mechanics—Study and teaching)

L 38226-66 EWP(m)/EWT(1) WW

ACC NR: AP6024857 SOURCE CODE: UR/0056/66/0051/001/0013/0017

AUTHOR: Volkov, L. P.; Voronov, V. M.; Samylov, S. V.

ORG: none

TITLE: Some features of a shock wave produced by the explosion of a wire in air

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 51, no. 1, 1966, 13-17

TOPIC TAGS: exploding wire, shock wave, high temperature, ~~streak~~ photography

ABSTRACT: Results of an investigation of a shock wave in air during the initial stage of the explosion of a wire are presented. The streak photochronographic technique was used. The shock wave photochronograms were synchronized with current oscillograms. The experiments were performed with wires of various metals and diameters ranging from 0.03 to 0.8 mm. The initial electric field strengths ranged from 0.1 to 1 kv/mm. The following phases could be distinctly distinguished: linear expansion of the wire (stratification), the appearance of two shock waves, and electric breakdown. The conditions required for detecting these phases are formulated. It is believed that the second shock wave results from an increase in the dispersion rate of the metal vapor. This in turn is the result of rapid removal of magnetic-field counterpressure at the moment of current pause. Orig. art. has: 3 figures. [CS]

SUB CODE: 20/ SUBM DATE: 17Dec65/ ORIG REF: 004/ OTH REF: 003/ ATD PRESS: 5044

Card 1/1

VOLKOV, Leonid Stepanovich; BONAREV, N., red.; PAVLOVA, S., tekhn.red.

[The best of our souls] Dushi prekrasnye poryvy. Moskva, Mosk.rabochii, 1961. 58 p. (MIRA 15:2)
(Moscow--Silk manufacture)
(Moscow--Industrial relations)

SOV/76-32-9-36/46

AUTHORS: Entelis, S. G., Tsikulin, M. A., Volkov, L. V., Chirkov, N. M.

TITLE: Methods and Apparatus of Physical-Chemical Research (Metody i tekhnika fiziko-khimicheskogo issledovaniya) The Determination of the Specific Surface Areas of Porous Bodies and Powders by the Method of Gaseous Flow (Izmereniye udel'noy poverkhnosti poristikh tel i poroshkov metodom istecheniya razrezhennogo gaza)

PERIODICAL: Zhurnal fizicheskoy khimii, 1958, Vol 32, Nr 9, pp 2187-2191 (USSR)

ABSTRACT: The specific surface area of porous bodies can be measured using a gaseous flow in the Knudsen pressure range, which is described in the papers of B. V. Deryagin and his co-workers (Refs 1 and 2). The present paper describes an improved and simpler apparatus (Figs 4 and 5). The formula given by Deryagin was used in conversions in carrying out determinations. Using this method the specific surface areas of the following substances were determined (Tables 1 and 2): porous glass (Shott Nr 4, Iena); porous glass (Shott Nr 3, Druzhnaya Gorka); porous porcelain (svecha Chemberlena); birch charcoal; aluminum

Card 1/2

Methods and Apparatus of Physical-Chemical Research. The Determination of the Specific Surface Areas of Porous Bodies and Powders by the Method of Gaseous Flow

silicate; untreated kaolin as well as kaolin which had been heated previously to 800°; porous quartz; burned chamotte: NB powder; tetranitro penterythrite; hexagene; and trinitrotoluene (TNT). There are 5 figures, 2 tables, and 4 references, 3 of which are Soviet.

ASSOCIATION: Akademiya nauk SSSR, Institut khimicheskoy fiziki, Moskva (AS USSR, Moscow Institute of Chemical Physics)

SUBMITTED: December 27, 1957

YUR'YEV, B.P.; VOLKOV, L.V.

Mutual discharge of Ni^{2+} and Zn^{2+} ions in sulfate solutions. Zhur. prikl. khim. 38 no.1:66-72 Ja '65. (MIRA 18:3)

1. Leningradskiy politekhnicheskiy institut imeni Kalinina.

VOLKOV, L.Ye., inzhener.

Rapid determination of pulp concentration. Bum.prom. 29 no.3:16-17 Mr-Ap '54. (MLRA 7:6)

1. NIIBUMMASh. (Paper industry) (Wood pulp)

VOLKOV L.YE

VOLKOV, L.Ye.; SMIRNOV, K.A.; YERASHEVA, N.A.

Operating experience with a vortical cleaner. Bum.prom. 29 no.6: 16-19 Je '54. (MLRA 7:8)

1. NIIBUMMASH (for Volkov and Smirnov). 2. Pervaya Leningradskaya bumazhnaya fabrika (for Yerasheva)
(Papermaking machinery)

VOLKOV, L.Ye., inzhener.

Pressure losses in pulp pipes due to friction. Bum.prom. 29 no.10: 17-19 O '54. (MLRA 7:11)

1. NIIBUMMASh.
(Papermaking machinery)

VOLKOV, L.Ye.

BOROVIK, G.K., inzhener; VOLKOV, L.Ye., inzhener.

Some operating characteristics of cyclone cleaners. Bum.prom. 29 no.11:19-22 N '54. (MLRA 8:1)

1. Donetskaya bumazhnaya fabrika (for Borovik). 2. NIIBUMMASH (for Volkov).
(Paper-making machinery)