S/129/62/000/004/002/010
E193/E383

Relaxation stability ....

c) If time-to-rupture under conditions of stress relaxation (at a certain initial stress σ_o) is calculated from the formula

$$\frac{\tau_1}{\tau_{\sigma_1}} + \frac{\tau_2}{\tau_{\sigma_2}} + \ldots \frac{\tau_n}{\tau_{\sigma_n}} = 1$$

where τ_1, τ_2 ... τ_n denote periods of time during which the specimen was under stresses σ_1, σ_2, ... σ_n, and τ_{σ_1}, τ_{σ_2}, ... τ_{σ_n} denote times-to-rupture in creep under stresses σ_1, σ_2, ... σ_n , then the result obtained is approximately equal to the time-to-rupture in creep under stress σ_o . There are 6 figures and 3 tables.

Card 3/4

LIBERMAN, L.Ya., kand.tekhn.nauk

"Handbook on turbine and combustion engine metals" by P.B. Mikhailov-Mikheev. Reviewed by L.IA.Liberman. Energomashinostroenie 8 no.11:42 N '62. (MIRA 16:1)
(Metals—Handbooks, manuals, etc.)
(Materials—Handbooks, manuals, etc.)
(Mikhailov-Mikheev, P.B.)

ACCESSION NR: AT4013938 S/2659/63/010/000/0130/0137

AUTHOR: Liberman, L. Ya.

TITLE: Prolonged creep of high temperature steel

SOURCE: AN SSSR. Institut metallurgii. Issledovaniya po zharoprochny*m splavam, v. 10, 1963, 130-137

TOPIC TAGS: creep, steel failure, high temperature steel, steel creep, steel prolonged creep, steel, prolonged creep

ABSTRACT: Prolonged creep is very difficult to test since stable conditions must be maintained constant over many years. In the present work, five grades of EI high temperature steel were tested for prolonged creep at temperatures of 550-700 C and stresses of 8-17 kg/mm^2; some of these tests had a duration of 113,000 hours. The purposes of these tests were 1) to compare creep resistance found by existing methods with the results of prolonged tests, 2) to determine the duration of the period of developing creep and the permissibility of extrapolation using the results of tests of normal duration (2,000 hours), and 3) to develop laws and analytical formulas based on prolonged creep tests. Some of the creep curves and creep rate variation curves obtained during prolonged tests are shown in the Enclosure. On the basis of the Maxwell-Boltzmann equation, the author derives

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ACCESSION NR: AT4013938

the following equation $\varepsilon_{creep} = (16.7\sigma - 30)(\tau e^{-50\,000/RT})^{0.3}$ for EI-802 steel. Other types of steel have different coefficients and factors. On the basis of prolonged creep tests the author concludes that the conditional creep limit should not be determined on the basis of the given creep rate. At low stresses, developing creep terminates at a limited deformation (0.2 - 0.45), after which the creep rate increases. The creep curve prior to the beginning of the final creep period and the set creep rate are satisfactorily described by the proposed equations. Orig. art. has: 4 figures, 2 tables and 7 equations.

ASSOCIATION: Institut metallurgii AN SSSR (Institute of Metallurgy)

SUBMITTED: 00 DATE ACQ: 27Feb64 ENCL: 02

SUB CODE: ML NO REF SOV: 000 OTHER: 000

Card 2/4

ACCESSION NR: AP4010066 S/0129/64/000/001/0005/0011

AUTHOR: Liberman, L. Ya.

TITLE: Long time creep strength of heat resistant steels

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 1, 1964, 5-11

TOPIC TAGS: heat resistant steel, creep strength, 1Kh12VNMF steel, E1395 steel, KhN35VT steel, E1612K steel, KhN80TBYu steel, Kh11LB steel, secondary creep, creep set, rate of creep

ABSTRACT: The creep strength of 1Kh12VNMF, E1395, KhN35VT, E1612K, KhN80TBYu and Kh11LB steels over a period of 25,000-114,000 hours was investigated using stresses equal to or somewhat greater than the limiting creep stress. (figs. 1 & 2) Since creep set takes place at different rates, secondary creep can characterize only certain average values of creep rate. The rate of creep "set" and duration of the secondary period are determined by the characteristics of the

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ACCESSION NR: AP4010066

structural processes in the metal. In heat resistant steel at low stresses, regardless of the minimum rate of creep, the magnitude of plastic deformation accumulated at the start of the third stage is 0.2-0.5%. The time required to attain this value determines the length of the secondary creep period. The stress which gives an assigned deformation value at a given temperature in a determined time must be considered for the creep strength. The apparent creep strength, determined by the set rate of creep of 1×10^{-5} %/hour, does not sufficiently characterize the creep strength of the materials for the time of service of the article. Orig. art. has: 4 figures and 3 tables.

ASSOCIATION: TsKTI im Polzunova (TsKTI)

SUBMITTED: 00 DATE ACQ: 07Feb64 ENCL: 04

SUB CODE: ML NO REF SOV: 000 OTHER: 000

Card 2/2

PETROV, V.; LIBERMAN, M.

Professional and technical training of workers. Sots.trud. 5 no.3:29-33 Mr '60. (MIRA 13:6)
(Technical education)

KAGANOV, G.; LIBERMAN, M.

Training and increase in the qualifications of workers and the new wage conditions. Sots. trud 7 no.8:61-66 Ag '62. (MIRA 15:10)

(Sverdlovsk Province—Evening and continuation schools)
(Wages)

LIBERMAN, M.; ZHURAVLEV, I.

Achievements of progressive workers should be shared by all. Prof.-tekh. obr. 21 no.9:27-28 S '64. (MIRA 17:11)

1. Nachal'nik otdela podgotovki kadrov Sredne-Ural'skogo soveta narodnogo khozyaystva (for Liberman). 2. Starshiy inzh. otdela podgotovki kadrov Sredne-Ural'skogo soveta narodnogo khozyaystva (for Zhuravlev).

LIBERMAN, M.

Training of workers in economics. Metallurg 10 no.2:36-37 F '65. (MIRA 18:3)

1. Nachal'nik otdela Upravleniya truda i zarabotnoy platy Sredne-Ural'skogo soveta narodnogo khozyaystva.

LIBERMAN, M., kand. ekonom. nauk

Special goal groups at the enterprises of the Central Urals. Prof.-tekh. obr. 22 no.7:26-27 Jl '65. (MIRA 18:8)

FESTA, N.Ya., kand.tekhn.nauk; LIBERMAN, M.D., inzh.; LINDENBAUM, M.D., inzh.

Providing the reliability of automatic control systems. Mekh.i avtom.proizv. 17 no.7:35-38 Jl '63. (MIRA 16:8)
(Automatic control)

LIBERMAN, M.D.; LINDENBAUM, M.D.; FESTA, N.Ya.

Some problems in the reservation in automatic control systems by means of technological processes. Priborostroenie no.6: 3-6 Je '63. (MIRA 16:8)

(Automatic control)

LIBERMAN, M.D.; FESTA, N.Ya.

Reliability of the systems of automatic control in the chemical industry. Khim. prom. no.6:401-406 Je '63. (MIRA 16:8)

(Chemical industries—Equipment and supplies)
(Automatic control)

14474-66 EWT(d)/EWP(1) IJP(c) BC

ACC NR: AR5020507 UR/0271/65/000/008/A002/A002
62-50.001.24

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 8A7

AUTHOR: Lindenbaum, M.D.; Liberman, M.D.; Festa, N.Ya.

TITLE: Estimation of the dynamic properties of maneuverable objects in designing emergency systems of automatic controls

CITED SOURCE: Sb. Avtomatiz. khim. proiz-v. Vyp. 3-4, M., 1964, 8-11

TOPIC TAGS: automatic control, automatic control equipment, automatic control R and D

TRANSLATION: A method is offered which allows the estimation of dynamic properties of maneuverable objects in designing devices for detecting failures and switching, a choice of systems of reserve elements and solutions to other problems in the technical realization of reserves for an automatic control system. 2 figures, 1 table, and 1 reference.

SUB CODE: 09

Card 1/1

LIBERMAN, M.D.; LINDENBAUM, M.D.; FESTA, N.Ya.

Determination of optimum reliability requirements of automatic control systems during their designing. Khim. prom. 41 no.1: 1-3 Ja '65. (MIRA 18:3)

LIBERMAN, M. D.

8 (E a)

Apparatus for purifying gases. M. I. Olevinskii, M. D. Liberman, E. G. Pastukhov, L. I. Shapiro, N. Sh. Sahullin, and A. V. Haley. U.S.S.R. 106,654, July 25, 1957. Gases ejected from H_2SO_4 tower systems are purified of N oxides and H_2SO_4 droplets and vapors by passing them through an app. filled with ceramic rings and bathed with H_2SO_4. In the upper part of the app. the gases pass through an elec. field. M. Hosch

MT

LIBERMAN, M.D.

Experience in rendering harmless the exhaust gases of tower acid plants. Sbor. mat. po obm. opyt. NIUIF no.12:32-42 '59. (MIRA 16:12)

1. Konstantinovskiy khimicheskiy zavod.

LIBERMAN, M.Kh.

Training in second and allied professions. Metallurg 9 no.7: 35-36 Jl '64. (MIRA 17:8)

1. Nachal'nik otdela podgotovki kadrov Sredne-Ural'skogo ekonomicheskogo rayona.

LIBERMAN, M.Kh.

Metalworkers are learning. Metallurg 8 no.1:31-32 Ja '63. (MIRA 16:1)

1. Starshiy inzhener Otdela truda i zarabotnoy platy Sverdlovskogo soveta narodnogo khozyaystva.
(Iron and steel workers). (Technical education)

LIBERMAN, M.Kh.; BARKAS, V.M., red.; EN'YAKOVA, G.M., tekhn.red.

[Work and live in the communist way] Rabotat' i zhit' po-kommunisticheski. Moskva, Metallurgizdat, 1963. 26 p. (MIRA 16:12)

(Sverdlovsk Province—Nonferrous metals industries)
(Sverdlovsk Province—Socialist competition)

OSINTSEV, A.S.; POPOV, V.M.; LIBERMAN, M.Kh.

Economic work in industrial enterprises should be in the center of public attention. Izv. vys. ucheb. zav.; chern. met. 8 no.2: 199-202 '65. (MIRA 18:2)

VINOKUROV, I.N., kand. med. nauk; LIBERMAN, M.I.

Group incidence of alopecia areata. Vest. derm. i ven. no.1: 82-83 '65. (MIRA 18:10)

1. Klinika kozhno-venericheskikh bolezney (zav. kafedroy - prof. M.M. Zheltakov) II Moskovskogo meditsinskogo instituta imeni Pirogova i Moskovskiy gorodskoy kozhno-venerologicheskiy dispanser (glavnyy vrach A.S. Obukhova).

KANEVSKIY, V.P.; LEVIN, S.T.; LIBERMAN, M.L.; LIVSHITS, G.L.; RAYVICH, I.D.; SHKITIN, V.I.

Concentration of slurries in a centrifugal force field. Koks. i khim. no. 3:15-18 '61. (MIRA 14:4)

1. Dnepropetrovskiy gornyy institut (for Kanevskiy, Levin, Liberman).
2. Nikitovskaya TSentral'naya ugleobogatitel'naya fabrika (for Livshits, Rayvich, Shkitin).
(Coal preparation)

IZBAVITELEV, P.V.; KUVSHINNIKOVA, L.A.; LIBERMAN, M.L.; NISNEVICH, TS.M.; GRUSHA, A.M.

Hygienic evaluation of accupational training in a shoe factory. Zdrav. Bel. 9 no.3:38-40 Mr'63 (MIRA 16:12)

1. Iz belorusskogo nauchno-issledovatel'skogo sanitarno-gigiyenicheskogo instituta (dir. - kand. med. nauk A.P.Rusyayev) i 2-go klinicheskogo ob"yedineniya g. Minska (glavnyy vrach B.V. Drivotinov).

IZBAVITELEV, P.V., vrach-gigiyenist; GRUSHA, A.M., vrach-gigiyenist; LIBERMAN, M.L.; vrach-terapevt; KUVSHINNIKOVA, L.A., vrach-gigiyenist.

Hygienic evaluation of the conditions in the industrial training shop of a shoe factory. Gig. sanit. 28 no.2:103-106 '63 (MIRA 17:2)

1. Iz Belorusskogo sanitarno-gigiyenicheskogo instituta

KANEVSKIY, V.P.; LIBERMAN, M.L.; ZHOVTYUK, G.V.

Increasing the productivity and efficiency of the operation of jigging machines without pistons as practiced at the Dzerzhinskii ore dressing plant. Izv. DGI 42:295-298 '64. (MIRA 18:11)

LIBERMAN, M.V.

AUTHOR: Liberman, M. V. 32-2-8/60

TITLE: The Determination of Magnesium in the Presence of Aluminum (Opredeleniye magniya v prisutstvii alyuminiya)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol 24, Nr 2, pp. 147-147 (USSR)

ABSTRACT: A useful method for the determination of aluminum in Al-alloys with 10-70 % of Al is represented by the reaction of aluminum with triethanolamine and a subsequent titration with trilene B. The author found that a bright triethanolamine must be used which is distilled at 20 mm with only the fraction from 170° to 225° being collected gathered. The temperature of the solution to be titrated plays an important part insofer as at + 4 to + 5°C the difference of color of the indicator becomes clearer than at room temperature. Corresponding to the conditions of analysis also the titer of the trilene B solution must be fixed. The exactness of this method of determination is between -0,4 % and +0.1 %. The course of analysis is mentioned.

Card 1/2

The Determination of Magnesium in the Presence of Aluminum 32-2-8/60

There are 1 table, and 1 reference

AVAILABLE: Library of Congress

1. Magnesium-Determination 2. Triethanolamine-Applications
3. Trilene B-Applications 4. Titration

Card 2/2

PROCESSES AND PROPERTIES INDEX

C

Retarding the setting of gypsum. M. Ya. Liberman and S. A. Kezherminskii (M. Hosch, inventor). U.S.S.R. 64,561, April 30, 1945; abstracted in *Chem. Zentr.*, 1948, I [5/6] 393.—The retarder is added in the form of a solution or spray in the kiln in which the gypsum is calcined. A keratine solution or any other retarding substance which does not lose its effectiveness at the calcining temperature may be used. M.Ha.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

SHARONOV, Gennadiy Prokof'yevich; KAZARTSEV, V.I., zasl. deyatel' nauki i tekhniki prof., red.; LIBERMAN, N.R., red.

[Using oil additives for accelerating the running-in of engines] Primenenie prisadok k maslam dlia uskoreniia prirabotki dvigatelei. Moskva, Khimiia, 1965. 222 p. (MIRA 18:7)

ALEKSEYEV, A.G.; VARGIN, V.V.; VERTSNER, V.N.; KIND, N.Ye.; KONDRAT'YEV, Yu.N.; PODUSHKO, Ye.V.; SEREBRYAKOVA, M.V.; TIKHOMIROV, G.P.; TUDOROVSKAYA, N.A.; FLORINSKAYA, V.A.; LIBERMAN, N.R., red.

[Controlled catalyzed crystallization of glasses of the lithium aluminosilicate system] Katalizirovannaia reguliruemaia kristallizatsiia stekol litievoaliumosilikatnoi sistemy. Leningrad, Khimiia. Pt.1. 1964. 119 p. (MIRA 18:4)

VDOVENKO, V.M., red.; LIBERMAN, N.R., red.

[Spectroscopic methods in the chemistry of complex compounds] Spektroskopicheskie metody v khimii kompleksnykh soedinenii. Moskva, Khimiia, 1964. 267 p. (MIRA 18:2)

1. Chlen-korrespondent AN SSSR (for Vdovenko).

LIBERMAN, P.G., inzh.; TSATSKIS, P.N., inzh.

New designs of overhead push conveyors. Mekh. i avtom. proizv. 18 no.7:30-32 Jl '64. (MIRA 17:9)

KALENOV, A.D.; LIBERMAN, R.M.; GINZBURG, A.I., nauchnyy red.; YERSHOV, A.D., glavnyy red.; NEKRASOVA, N.B., red.izd-va; IVANOVA, A.G., tekhn.red.

[Industry's demands in the quality of mineral raw materials; handbook for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.68. [Scandium] Skandii. Izd.2., perer. 1959. 17 p. (MIRA 12:8)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.
(Ores--Sampling and estimation)

MASHKOVA, L.K.; LIBERMAN, R.Yu. LIK, O.I.

Characteristics of the spreading of influenza among a group of children. Zhur. mikrobiol. epid. i immun. no.10:98 O '54. (MLRA 8:1)

1. Iz Dnepropetrovskogo instituta epidemiologii, mikrobiologii i gigiyeny i Detskoy klinicheskoy bol'nitsy Oktyabr'skogo rayona
(CHILDREN--DISEASES) (INFLUENZA)

VIRNIK, D.; GORBATOV, V.; LIBERMAN, S.

Resources of the gelatin industry. Mias. ind. SSSR 32 no.4: 25 '61. (MIRA 14:9)

(Gelatin) (Feeds)

SINITSYN, K.; LIBERMAN, S.; PETROVSKIY, V.

Methods for enhancing the production of dry feeds. Mias. ind. SSSR 32 no.5:45-47 '61. (MIRA 14:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti.
(Feeds)
(Meat industry--By-products)

GORBATOV, V.; LIBERMAN, S.; POZHARISKAYA, L.; SAFONOV, S.; SKRYPNIK, A.

Continuous action apparatus for drying steamed bones. Mias.ind. SSSR 33 no.2:18-20 '62. (MIRA 15:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti (for Gorbatov, Liberman, Pozhariskaya).
2. Leningradskiy myasokombinat (for Skrypnik).
(Drying apparatus) (Meat industry—By-products)

LUBNIN, A. I., LIBERMAN, S. A.

What's new in designing metallurgical plants. Prom. stroi. 38 no.8:39-41 '60. (MIRA 13:8)

1. Constructing a precast reinforced concrete sintering plant. (Steelworks)

STREL'NIKOV, N.P., inzh.; LIZAREV, A.D., inzh.; LIBERMAN, S.A., inzh.

Construction of the "102" rolling mill for continuous rolling of pipe. Prom. stroi. 39 no.10:38-42 O '61. (MIRA 14:10)
(Pervoural'sk--Pipe mills)

PROCESSES AND PROPERTIES INDEX

27

The utilization of soap lyes. S. LIBERMAN AND A. KORELSKII. *Masloboino Zhirovoe Delo* 1929, No. 6, 21-6.—The soap lyes, left after the salting out of the soap base, contain about 1.3% NaOH and 0.5% Na_2CO_3. L. and K. recommend their recovery by treatment with free fatty acids and rosin. E. BIELOUSS

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

CA

21

Soap from glycerol refuse. S. Liberman and A. Sergeev. *Maslobeino Zhirovoe Delo* 1939, No. 8, 16-8.—The glycerol refuse which results after neutralization and filtration of the soap lye contains about 43% fatty acids. L. and S. prepd. from this refuse a standard soap on a semi-commercial scale by the following treatment: Equal parts of the glycerol refuse and H_2O are heated to boiling and the calcd. amount of strong Na_2CO_3 or NaOH soln. (32-38° Bé.) is added in portions. The soap lye thus prepd. is salted out twice with 12 and 5% salt. The product has high detergent and lather-forming properties. The fatty acids have a neutralization number of 204.1 to 206.0 and an I no. of 79.9 to 71.9.

E. Berlouse

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

CA

27

Manufacture of soap from the scum of alkaline liquors. S. LIBERMAN AND R. MINKIN. *Maslobolno Zhirovoe Delo* 1929, No. 10, 24-5; *Chimie & industrie* 23, 1236 (1930).—The scums which are formed during the drawing off of the liquor after manuf. of the soap have hitherto been considered valueless. Analysis has shown that they contain a fairly large amt. of saponifiable fatty acids. Tests on their conversion into hard soap have given very good results. The scum is first pressed, then dissolved in water to a soapy paste, which is salted out with NaCl or alkali and allowed to stand for 2-3 hrs. The soap, obtained in 97-8% yield, is sol. and lathers well. A. P.-C.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

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26

Degreasing the residues obtained in fat-recovery apparatus. S. Liberman. *Мыловар Ind. S. S. S. R.* 9, No. 3, 14(1938); *Chimie & industrie* 41, 762.—The residue is boiled with 10% $NaHSO_4$ soln. for 2-3 hrs., water is added and boiling is continued for 1 hr. On allowing to stand the liquid sepa. into 4 layers: fat (top layer), fatty emulsion, brine and sludge. The fat layer is decanted; part of the brine is siphoned off, water is added, and the operation is repeated. The fatty emulsion is salted out in a decantation app. A. P.-C.

COMMON ELEMENTS

CHEM

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A58-61A METALLURGICAL LITERATURE CLASSIFICATION

AUTHOR INDEX

1ST AND 2ND LETTER

3RD AND 4TH ORDERS

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

Ca

12

Factors which affect the quality of pressure-rendered lard. S. Liberman and V. Petrovskii. *Myasnaya Ind.* 9, No. 5, 19-10(1934). *Chimie & industrie* 41, 326-9.—The acid values of pressure-rendered lards depend on: (1) time of melting, (2) pressure of cooking the raw material and (3) time of preliminary cooling of the material. Increase in the time of melting, in the pressure, and in the time of cold storage all act to increase the acid value.

A. Papineau-Couture

COMMON ELEMENTS

OPEN

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ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

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3RD AND 4TH ORDERS

C0

27

Melting of fat from pig bones. S. Liberman and V. Petrovskii. *Myasnaya Ind.* 1939, No. 7, 13-14; *Khim. Referat. Zhur.* 1939, No. 12, 100.—The dry method of melting, as modified by the All-Union Sci. Research Inst. of Meat Ind. (drying of ground bones *in vacuo* and heating under pressure), increases the yield of bone fat, improves its quality and produces a residue that can be easily pressed out of fat. The yield of fat in percentage of the raw bones is 10.7-14. Fat from the common and head bones, resp., m. 30-4° and 27-31°; acid no. 1.19-2.05 and 1.48-1.70; I no. 65.8-8.3 and 67.9-70.6. In the Triton wet method, the fat and broth are passed during the whole process into a fat separator, the fat is purified, clarified and passed into a separator. A high-grade bone fat is produced by this method. Addn. of ground pig bones in amts. equal to 10-12% to soft crude pig fat followed by simultaneous melting is used with success in the Leningrad Meat Processing plant.

W. R. Henn

COMMON ELEMENTS

COMMON VARIABLES

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

LIBERMAN, C

C 1

12

Methods of extraction of edible fat and its improvement. C. Liberman. *Myasnaya Ind. S.S.S.R.* 19, No. 6, 20-6(1948).—Flow sheets of equipment, illustrations of the parts in detail, and descriptions are given for various rendering processes. Method of operation, quality, and cost are discussed.
M. M. Piskur

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

7

CA

Conditions for storing raw and rendered fat. S. Liberman and E. Mirkin. *Myasnaya Industriya* 20, No. 5, 28-9(1949).—The effects of temp., light, and duration of storage on raw and rendered fats are pointed out with tables and charts showing the development of peroxide and acid values. Optimum storage conditions of 3 to 5° and relative humidity of 80% were recommended. For package material, the use of parchment treated with a 2.5% citric acid soln. in alc. was mentioned. M. M. Piskur

27

CA

Progress in the chemistry of livestock fats. S. Liberman and B. Mirkin. *Myasnaya Ind. S.S.S.R.* 22, No. 1, 20-7

(1951).—The compn. of various livestock and goose fats are discussed. Lard and beef fat were crystd. into 7 fractions and the characteristics of the fractions were detd. Fractionation by crystn. from acetone, MeOH, and petr. ether, and by mol. distn. are discussed. M. M. Piskur

LUBNIN, Aleksandr Il'ich, inzh.; LIBERMAN, Semen Abramovich, inzh.; SKAZHENIK, Georgiy Dmitriyevich, inzh.; MILLER, Viktor Yakovlevich, inzh.; PETRAKOV, Andrey Ivanovich, inzh.; USHAKOV, Nikolay Alekseyevich, kand. tekhn. nauk; VAD'YAYEV, Gavriil Mikhaylovich, inzh.; TIMYANSKIY, Samuil Yakovlevich, arkh.; KIKIN, A.I., doktor tekhn. nauk, prof., red.; BEGAK, B.A., red.; SHERSTNEVA, N.V., tekhn. red.

[Designing buildings and structures for metallurgical plants] Proektirovanie zdanii i sooruzhenii metallurgicheskikh zavodov [By] A.I.Lubnin i dr. Moskva, Gosstroiizdat, 1963. 321 p. (MIRA 17:2)

1. Gosudarstvennyy institut proyektirovaniya metallurgicheskikh zavodov (for Timyanskiy). 2. Gosudarstvennyy institut po proyektirovaniyu, issledovaniyu i ispytaniyu stal'nykh konstruktsiy i mostov (for Petrakov). 3. TSentral'nyy nauchno-issledovatel'skiy i proyektno-eksperimental'nyy institut promyshlennykh zdaniy i sooruzheniy (for Ushakov).

1. LIBERMAN, S.G.

2. USSR (600)

4. Technology

7. Reference book on the production of fat. Moskva, Pishchepromizdat. 1952

9. MOnthly List of Russian Accessions, Library of Congress, March,1953.Unclassified.

LIBERMAN, S.

Fat

Determining taste and odor of animal fat. Mias. Ind. SSSR, No. 2, 1952.

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

LIBERMAN, S., PETROVSKIY, V.

Rendering industry

Horizontal vacuum kettle for dry rendering of fat. Mias. ind. SSSR, 23 no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1953, Uncl.
2

LIBERMAN, S.

Crushing Machinery

Crusher DM-300 for producing bone meal. Mias. ind. SSSR 23 no. 3, 1952.

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

1. LIBERMAN, S.

2. USSR (600)

4. Oils and Fats

7. Progress in the chemistry and technology of animal fats. Mias.ind. SSSR 23 no. 6, 1952

9. Monthly List of Russian Accessions. Library of Congress. March 1953. Unclassified.

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[Manual on the utilization of slaughterhouse waste in meat combines] Spravochnoe rukovodstvo po utilizatsionnomu proizvodstvu miasokombinatov. Moskva, Gizlegpishcheprom. 1953. 223 p. (MIRA 11:5)
(Slaughtering and slaughterhouses--By-products)

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Fats, Fatty Oils, Waxes, and Detergents

(1)

Continuous rendering of fat. S. Liberman. *Myasnaya Ind. S.S.S.R.* 24, No. 6, 14-10(1953).—Several continuous rendering processes are described. M. M. Piskur

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LIBERMAN, S.

LIBERMAN, S., inzhener.

Machinery for rendering fat from waste food and industrial products. Mias. Ind. SSSR 25 no.3:23-24 '54. (MIRA 7:7)
(Rendering apparatus)

LIBERMAN, S.

LIBERMAN, S., inzhener.

New bacon slicer and fat cutter. Mias. Ind. SSSR. 25 no.3:25-26 '54. (MLRA 7:7)

(Meat cutting)

LIBERMAN, S., kandidat tekhnicheskikh nauk.

Intensifying bone processing at meat processing combines. Mias.ind. SSSR 25 no.6:10-14 '54. (MIRA 8:1)

1. Glavmyaso.
(Bone products)

Liberman, S.

USSR/Chemical Technology. Chemical Products and Their Application--Fats and oils. Waxes. Soap. Detergents. Flotation reagents. I-27

Abs Jour: Ref Zhur-Khimiya, No 3, 1957, 10141

Author : Liberman, S.
Inst : Not given
Title : A New Fat-Cutting Machine

Orig Pub: Myasnaya industriya SSSR, 1954, No 3, 25-26

Abstract: A new fat-cutting machine is described. The machine is used in cutting steamed or solidified raw fat into 35-40 mm strips before it is washed and refrigerated. The dimensions of the machine are as follows (mm): length 980, width 888, height 635; weight 354 kg. A 2.8 kw electric motor is used, rpm 1420. The advantages of the new machine over existing machines are as follows: small size, higher productivity, lower power consumption, and the provision of windows in both sides permitting

Card 1/2

USSR/Chemical Technology. Chemical Products and Their pplication--Fats and oils. Waxes. Soap. Detergents. Flotation reagents. I-27

Abs Jour: Ref Zhur-Khimiya, No 3, 1957, 10141

Abstract: the maintenance of the machine in a better sanitary condition.

Card 2/2

MANERBERGER, A., professor; LIBERMAN, S., kandidat tekhnicheskikh nauk; GRINBERG, T., inzhener; OCHKIN, V., inzhener; SKOKAN, I., dotsent; SHIPOV, V.

What should be the nature of the modern meat combine? Statements of Comrades Manerberger, Liberman, Grinberg, Ochkin, Tereshchenko, Skokan, and Shipov. Mias.ind.SSSR. 26 no.2:18-26 '55. (MLRA 8:7)

1. Gipromyaso (for Manerberger, Grinberg). 2. Glavmyaso (for Liberman). 3. Rosglavmyaso (for Ochkin). 4. Rosmyasomoliroyekt (for Tereshchenko). 5. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti (for Skokan). 6. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti (for Shipov).
(Meat industry)

LIBERMAN,S.; PETROVSKIY,V.; ASLANOV,V.; ZHIZHNEVSKIY,V.

Expeller installation for rendering fat in operation. Mias.ind. SSSR 26 no.4:28-31 '55. (MLRA 8:10)
(Rendering apparatus)

LIBERMAN, S., kandidat tekhnicheskikh nauk

The production of "PO-6" foaming agent. Mias. ind. SSSR 26 no.4:57 '55. (MLRA 8:10)

1. Glavmyaso
(Meat industry--By-products) (Foam)

LIBERMAN, Simon Grigor'yevich, kandidat tekhnicheskikh nauk; PETROVSKIY, Vasiliy Petrovich, starshiy nauchnyy sotrudnik; ZINOV'YEV, A.A., doktor tekhnicheskikh nauk, professor; retsenzent; MIRKIN, Ye.Yu., kandidat tekhnicheskikh nauk, retsenzent; SEMENOVA, N.L., redaktor; CHEBUSHEVA, Ye.A., tekhnicheskiy redaktor

[Manual for the rendering of animal fats] Spravochnik po proizvodstvu zhivotnykh zhirov. Izd. 2-oe, perer. i dop. Moskva, Pishchepromizdat, 1956. 427 p. (MLRA 9:11)
(Oils and fats) (Rendering works)

LIBERMAN, S., kandidat tekhnicheskikh nauk.

Ways for improving the technology of fat processing. Mias. ind. SSSR 27 no.1:5-8 '56. (MLRA 9:6)

1.Glavmyaso.
(Oils and fats)

LIBERMAN, S.

We are increasing the capacity of meat-processing sections. Mias. ind.SSSR 27 no.6:28-29 '56. (MLRA 10:2)

1. Glavnyy inzhener Mishurinskogo myasokombinata.
(Meat industry)

LIBERMAN, S., kandidat tekhnicheskikh nauk; GUSLYANNIKOV, V., inzhener.

Centrifugal apparatus for continuous rendering of fat. Mias.ind. SSSR 28 no.1:62-63 '57. (MLRA10:3)
(Centrifuges) (Oils and fats)

LIBERMAN, S.; SMIRNOV, A.

Installation for continuous fat rendering (from "The national provisioner," February 23, 1957). Mias. ind. SSSR 28 no.3:63 '57. (MLRA 10:6)

(United States--Oils and fats, Edible)

LIBERMAN, S., inzhener; SAFONOV, S., inzhener.

New developments in manufacturing technical equipment. Mias. ind.SSSR 28 no.4:17-18 '57. (MIRA 10:7)
(Packaging industry) (Centrifuges)

BELEN'KIY, N., akademik; KRYLOVA, N.; LIBERMAN, S.; POZHARISKAYA, L.; SAFONOV, S., inzh.

Stabilizing industrial blood on the beef conveyer line. Mias. ind. SSSR 28 no.5:27-28 '57. (MIRA 11:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti (for Belen'kiy, Krylova, Pozhariskaya). 2. Leningradskiy myasokombinat (for Safonov).
(Slaughtering and slaughterhouses)
(Blood) (Synanthrin)

GORBATOV, V., inzh.; LIBERMAN, S., kand. tekhn. nauk; PETROVSKIY, V., inzh.

New method of melting fat out of bones in an autoclave. Mias. ind. SSSR 28 no.6:15-17 '57. (MIRA 11:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti.

(Rendering apparatus)

GORBATOV, V., inzh.; LIBERMAN, S., kand.tekhn.nauk; PETROVSKIY, V., inzh.

Investigating and establishing operating conditions for the "Titan" rendering line. Mias. ind. SSSR 29 no.2:7-11 '58. (MIRA 11:5)

(Rendering apparatus)

STEPANTSEV, A.; YASAKOV, A.; LIBERMAN, S.; MOISEYEVA, L.

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1. Michurinskiy myasokombinat.
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VECHKANOV, K., inzh.; GORBATOV, V., inzh.; LIBERMAN, S., kand.tekhn.nauk

Operational characteristics of the "AVZh" centrifugal installation. Mias. ind. SSSR 29 no.5:9-14 '58. (MIRA 11:10)

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(Oils and fats, Edible) (Rendering apparatus)

LAPSHIN, A., kand.tekhn.nauk; LIBERMAN, S., kand.tekhn.nauk; SKRYPNIK, A.

Experience in operating the "GMU-2000" assembly and testing the "Leningrad" assembly. Mias.ind.SSSR 30 no.2:12-15 '59. (MIRA 13:4)

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Booklet on the processing of by-products ("Processing of by-products in meat combines" by P.A. Voinova, G.L. Solntseva. Reviewed by S. Liberman). Mias. ind. SSSR 30 no.5:58 '59. (MIRA 13:1)
(Meat industry--By-products)

POZHARISKAYA, Lyudmila Semenovna; LIBERMAN, Simon Grigor'yevich; GORBATOV, Vasiliy Matveyevich; KORBUT, L.V., red.; SOKOLOVA, I.A., tekhn.red.

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Coagulation of blood of slaughter animals in a continuous apparatus. Mias.ind.SSSR 31:50-51 '60. (MIRA 13:9)
(Blood--Coagulation)

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Synthetic polymer materials for packaging fats. Mias.ind. SSSR 31 no.6:15-17 '60. (MIRA 13:12)
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(Packing houses) (Meat industry—By-products)

KOLEDIN, I.; LIBERMAN, S.; VIRNIK, D.

Use of swine skins in making sausages. Mias. ind. SSSR 32 no.3:22 '61. (MIRA 14:7)

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VIRNIK, David Isaakovich; VLASOV, Aleksandr Pavlovich; TALANTSEV, Dmitriy Zinov'yevich; KHOKHLOVA, Zinaida Vasil'yevna; LIBERMAN, S.G., kand. tekhn. nauk, retsenzent; PAVLOVSKAYA, Z.N., inzh.-tekhnolog, retsenzent; MOROZOVA, I.I., red.; ZARSHCHIKOVA, L.N., tekhn. red.

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Hydrolysis method for fat extraction from soft raw fatty substances. Trudy VNIIMP no.13:3-25 '62. (MIRA 17:5)

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Increasing the bone content of bone-and-meat meal. Mias. ind. SSSR 33 no.4:24-27 '62. (MIRA 17:2)

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Mechanized SZhK-500 continuous production line. Mias.ind. S.S.S.R. 33 no.6:12-13 '62. (MIRA 16:1)

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(Meat industry—By-products) (Assembly-line methods)

GAYEVOY, Ye.V., kand. sel'khoz. nauk; BARMAN, A.I., kand. tekhn. nauk; VOYNOVA, P.A., st. nauchn. sotr.; LAVROVA, L.P., LIBERMAN, S.G., kand. tekhn. nauk

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LIBERMAN, Sh.I.

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Problems in the classification of peptic ulcer. Vrach.delo supplement '57:37-38 (MIRA 11:3)

1. Khar'kovskiy meditsinskiy stomatologicheskiy institut.
(PEPTIC ULCER)

LIBERMAN, Sh.I., kand.med.nauk

Protein composition of the blood in peptic ulcer patients. Vrach. delo no.4:437-439 Ap '60. (MIRA 13:6)

1. Kafedra terapii (zav. - doktor med.nauk - N.A. Sulimovskaya) Ukrainskogo instituta usovershenstvovaniya vrachey i Vtoraya klinicheskaya gorodskaya bol'nitsa Khar'kova.
(BLOOD PROTEINS) (PEPTIC ULCER)

LIBERMAN, Sh.I. (Khar'kov)

Condition of the enzyme systems in peptic ulcer patients.
Vrach.delo no.6:647 Je '60. (MIRA 13:7)

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AKHMEDOV, A.M., prof., doktor veter. nauk; GONCHAROV, G.D., doktor biol. nauk; DURASOV, V.I.; ZAGAYEVSKIY, I.S., prof., doktor veter. nauk; KUKHARKOVA, L.L.; BARMASH, A.I., kand. tekhn. nauk; POZHARISKAYA, L.S., kand. tekhn. nauk; LAPTEV, F.P.; LIBERMAN, S.M., kand. tekhn. nauk; PETROVSKIY, V.P., inzh.; MIRONOV, A.N., prof., doktor veter. nauk; MALYSHEV, K.B., kand. veter. nauk; NIKITIN, B.P., inzh.; POLYAKOV, A.A., prof., doktor veter. nauk; RUSAKOV, V.N.; TARSHIS, M.G., kand. veter. nauk; SHUR, I.V., prof., doktor veter. nauk; YARNYKH, A.M., red.

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