GOL'DENB'ERG, Ye.M.; KHARCHENKO, B.F., inzhener,

Using a leg prosthesis with a soft waist brace. Ortop.travm. i protez. no.3:52 My-Je '55. (MLRA 8:10)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta protezirovaniya dir. prof. A.P.Kotov.
(ARTIFICIAL LIMB,
leg prosthesis with waist band.)

KOTOV, A.P., professor; BOGDANOV, A.N.; GOL'DENBERG, Ye.M.

Determining the length of prosthesis following amputations of the leg at various levels. Ortop., travm. protez. 17 no.5:66-67 S-O '56. (MLRA 10:1)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta protezirovaniya (dir. - prof. A.P.Kotov)

(AMPUTATIONS OF LEG) (ARTIFICIAL LIMBS)

ACC NR: AR6032150 SOURCE CODE: UR/0169/66/000/006/D012/D013

AUTHOR: Morozov, M. D.; Gol'denberg, Ye. S.; Brodovoy, V. V.

TITLE: The state of geophysical operations in Kazakhstan and ways to improve their geological effectiveness

SOURCE: Ref. zh. Geofizika, Abs. 6D87

REF SOURCE: Sb. Geofiz. issled. v Kazakhstane. Alma-Ata Kazakhstan, 1965, 3-8

TOPIC TAGS: seismic prospecting, prospecting, seismologic station, geologic survey, geographic survey, geochemical survey, gravimetric survey, nonferrous metal, rare metal, oil bearing area, gas beraing area/Kazakhstan

ABSTRACT: The extent of geophysical operations in Kazakhstan is increasing continuously. By 1965 the number of seismic prospecting teams in the republic increased to 93 (as against 83 in 1962), the number of electric prospecting teams to 202 (as against 180), magnetic prospecting teams to 200 (as against 150), and the number of gravimetric prospecting teams increased to 124 (as against 77). It is noted that since 1948 the geophysical crews and expeditions working in mining areas

 UDC: 550.830(574)

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directly for oil and gases by geophysical and geochemical methods should be continued. In searches for ore mineral deposits, the problem of developing methods for prospecting nonferrous- and rare-metal deposits overlapped by a thick mantle of loose formations, becomes ever more urgent. Yu. Kaznacheyeva. [Translation]

SUB CODE: 08/

ANOSOV, M.; GOL'DENBERG, Yu.

Standard garage design for a car-and-cycle club of the All-Union Society for Assistance to the Army, Air Force, and Navy. Za rul. 16 no.4:11 Ap '58. (MIRA 13:3)

1.Direktor Leningradskogo otdeleniya "Giproavtotrans" (for Anosov).
2.Glavnyy inzhener tipovogo proyekta garazha avtomotokluba Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu, Leningradskoye otdeleniye Gosudarstvennogo proyektnogo instituta "Giproavtotrans" (for Gol'denberg).
(Garages)

ANOSOV, M.; GOL'DENBERG, Yu.

Standard designs of motortruck garages with closed parking place.
Avt. transp. 36 no.5:13-14 My '58. (MIRA 11:6)
(Garages)

GOL'DENBERG, Yu., inzh.

Motorbus stations. Avt.transp. 37 no.1:6-10 Ja '59. (MIRA 12:2)

(Motorbus lines--Stations)

GOL'DEIBERG, Yu., inzh.

Service stations and garages for private automibles. avt.transp.
37 no.4:21-23 Ap '59. (MIRA 12:6)

1. Leningradskiy filial Giproavtotransa.
(Garages) (Service stations)

GOL'DENBERG, Yu.

Standard design of multistoried garage for passenger cars. Avt. transp. 38 no.1:25-26 Ja '60. (MIRA 13:5)

1. Leningradskiy filial Giproavtotransa.
(Garages)

GOL'DENBERG, Yu.

Passenger service buildings. Avt. transp. 39 no.5:12-17 My '61.
(MIRA 14:5)
(Motorbus lines--Stations) (Tourist camps, hostels, etc.)

GOL'DENBERG, Yu.

Standard designs of automobile maintenance stations. Avt.transp. 41 no.4:27-29 Ap '63. (MIRA 16:5)
(Motor vehicles--Maintenance and repair)
(Industrial buildings)

GOL'DENBERG, Yu., inzh.

Motorbus station for interurban travel. Avt. transp. 41 no.5:15 My '63. (MIRA 16:10)

(Leningrad—Motorbus lines—Stations)

PODSHCHEKOLDIN, I., dotsent, GOL'DENBERG, Yu., TIKHONOV, A.

Training specialists. Avt.transp. 41 no.10:43-46 O '63.
(MIRA 16:10)

1. Prorektor Khar'kovskogo avtomobil'no-dorozhnogo instituta (for Podshchekolin). 2. Direktor Kustanayskogo uchebnogo kombinata (for Tikhonov).

Estimate mass for the design of waterbus stations and turn rails.

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515620013-8"

[illegible], G. Ya., [illegible]

Treatment of typhoid by penicillin and [illegible]llin combinations according to [illegible] G. Farota. Sovet med. No. 11, [illegible] 50, p. 32-3

1. Of the Clinic of Infectious Diseases, Second Moscow Medical Institute imeni I. V. Stalin (Head of staff -- Prof. [illegible] Toporkov, deceased)

CLML 20, 3, March 1951

GOL'[illegible], [illegible]

Voprosy konstr[illegible]ovaniia i [illegible] [illegible]sii [illegible] [illegible]stv [illegible] turbin. Sbornik st[illegible] [Prob[illegible] in the design and [illegible] of [illegible] condensation apparatus; collection of articles]. [illegible], [illegible] [illegible]

SO: [illegible] List of [illegible], Vol. [illegible] No. [illegible] [illegible]

GOL'DENBLAT, B.I.

Study conference on voltage regulation [illegible] networks of industrial [illegible] prom. [illegible] 47-48 [illegible] '65.

[illegible]

GOL'DENBLAT, B.I., inzhener (Odessa); ARKHIPOV, N.K., inzhener.

Selecting the calculated value of voltage loss in industrial lighting systems. Elektrichestvo no.2:74-75 F '56. (MLRA 9:5)

1. Giprokommunenergo (for Arkhipov)
(Electric networks)

GOL'DENBLAT, B.I., inzhener.

Effect of the method of power factor improvement on the value of voltage loss in lighting equipment networks. Prom.energ. 11 no.9:23-25 S '56. (MLRA 9:11)

1. Proyektnyy institut no.3 Ministerstva stroitel'stva.
(Electric networks) (Condensers (Electricity))

GOL'DENBLAT, B.I., inzhener.

Development of a single series of A and AO asynchronous motors. Vest.elektroprom. 27 no.5:68-69 My '56. (MLRA 9:12)

(Electric motors, Induction)

FEYERMARK, M.M., inzhener; YERMAKOV, A.S.; STOLYAREVSKIY, N.A., inzhener; GOL'DENBLAT, B.I., inzhener; GURGENIDZE, D.P., inzhener; KOZLOV, A.P., tekhnik; GORBACHEV, N.I., tekhnik; GRINBERG, B.V., inzhener.

Protection of substation power transformers in industrial plants. Prom.energ. 12 no.10:29-33 O '57. (MIRA 10:10)

1. Khar'kovskoye otdeleniye Gosudarstvennogo Proyektnogo Instituta Tyazhpromelektroproyekt (for Feyermark). 2. Sverdlovskiy podshipnikovyy zavod (for Yermakov). 3. Proyektnyy institut, Odessa (for Gol'denblat). 4. Ust'-Kamenogorskiy svintsovo-tsinkovyy kombinat (for Stolyarevskiy). 5. Tbilisskiy oryadil'no-trikotazhnyy kombinat (for Gurgenidze). 6. Kamvol'nyy kombinat, Minsk (for Grinberg).
(Electric transformers)

AUTHOR: Gol'denblat, B.I., Engineer. 110-10-18/18

TITLE: The Design of High-voltage Testing Stations. (Proyektirovaniye vysokovol'tnykh ispytatel'nykh stantsiy)

PERIODICAL: Vestnik Elektropromyshlennosti, 1957, vol.28, No.10, pp. 79-80 (USSR)

ABSTRACT: The design of high voltage testing stations is not standardised and each design organisation settles the problem in its own way. The subject is not mentioned in the "Rules for the construction of electro-technical installations". There is no special literature on the subject.

The most important questions of design are clearances to earth and to low voltage circuits, suppression of radio interference, earthing and safety measures. Different points of view exist about the question of clearances; for example, a clearance to earth of 3 m is recommended for a 500 kV transformer and 6 m for a 1 000 kV transformer. Minimum clearances to surge generators are often ill-founded. There is little guidance about the suppression of radio interference, about earthing or about such safety measures as interlocking. The choice of equipment-operating voltage is considered. In developing a high voltage testing transformer, the Moscow

Card1/2 Transformer Works (MTZ) decided not to use a gas relay and

YERMILOV, A.A., inzh; SEULIN, N.A., inzh; CHIZHISHIN, P.L., inzh.; CHEPELE, Yu.M., inzh.; MUSATOV, T.P., inzh.; FEDOROV, A.A., kand.tekhn.nauk; YAROSHETSKIY, L.M., inzh.; GOL'DENBLAT, B.I., inzh.; KUDRYASHOV, S.A., inzh.; ZAKHAROV, N.N., inzh.; SHCHUKIN, B.D., inzh.

Improving planning of industrial power supply. Prom. energ. 13 no.7: 18-29 Jl '58. (MIRA 11:10)

1.Tyazhpromelektroproyekt. (for Yermilov). 2.Zhemproyektas, g.Kaunas (for Chepele). Donbassenergo (for Musatov). 4.Moskovskiy energoticheskiy institut (for Fedorov). 5.Uzgiprovodkhoz, g. Tashkent (for Yaroshetskiy). 6.Proyektnyy institut Ministerstva stroitel'stva USSR, Odessa (for Gol'denblat). 7.Elektroproyekt, g.Kuybyshev (for Kudryashov). 8.Gosradioelektronika (for Zakharov). 9. Gidroproyekt, g. Kuybyshev (for Shchukin).

(Electric power)

GOL'DENBLAT, B.I.

Use of spacers for increasing the stability of low-voltage busbar conductors in short-circuit conditions. Prom. energ. 15 no.9:41-42 S '60. (MIRA 13:10)

(Bus conductors (Electricity))

GOL'DENBLAT, B.I., inzh.; RAYTSEL'SKIY, L.A., inzh.

Three-winding 35/6/0,4 k.v. transformers. Vest.elektroprom.
33 no.1:78-79 Ja '62. (MIRA 14:12)
(Electric transformers)

GOL'DENBLAT, B.I.; RAYTSEL'SKIY, L.A.

Scientific and technical conference on technical and economic principles of the design and operation of electrical systems. Elektrichestvo no.12:87 D '63. (MIRA 17:1)

GOL'DENBLAT, B.I., inzh.; RAYTSEL'SKIY, L.A., inzh.

Problem concerning the installation of emergency lighting systems in industrial premises. Svetotekhnika 9 no.5:27-28 My '63. (MIRA 16:7)

1. Proyektnyy institut Gosstroya UkrSSR.
(Electric lighting)
(Industrial plants--Lighting)

GOL'DENBLAT, I. I.

Gol'denblat, I. I. "Some problems on the oscillation and the dynamic stability of elastic systems" (Dynamics of bridges), In the collection: Issled. rabot po inzh. konstruktsiyam, Issue 1, Moscow, 1948, p. 101-134.

SO: U-3261, 10 April 53 (Letopis 'Zhurnal'nykh Statey No. 11, 1949)

Mathematical Reviews
Vol. 15 No. 1
Jan. 1954
Mechanics

✓ **Gol'denblat, I. I.** Dynamic longitudinal stability of thin-walled beams. Akad. Nauk SSSR. Inženernyĭ Sbornik 3, no. 1, 133–139 (1948). (Russian)

A thin-walled beam is loaded with a periodically variable thrust and can perform bending vibrations in two directions and torsional vibrations. In the simple case, when the cross-section of the bar has two axes of symmetry and the thrust is applied in the centre, the equation of motion is Hill's equation. The article also deals with the more complicated case, when the cross-section has only one axis of symmetry. Then the equations of motion are two simultaneous differential equations with periodical coefficients. The stability of the solutions of these equations is examined by extending the methods used in the corresponding theory of Hill's equation. *W. H. Muller* (Amsterdam).

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GOLDENBLAT, I. I.

Aug 48

USSR/Engineering
Elasticity
Mathematics - Tensors

"One Method in the Theory of Elastic and Plastic Deformations," I. I. Gol'denblat, 4 pp

"Dok Ak Nauk SSSR" Vol LXI, No 6- [illegible] 1001-04

Finds relation between invariants of stress tensors and deformations. Concludes that, to describe the process of deformation completely for a solid medium, Cauchy's conditions for any partial form of deformation dependent upon one parameter must be given with the equation of the state. Submitted by Acad L. S. Leybonzon, 19 Jun 48.

35/49233

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515620013-8"

GOL'DENBLAT, I., doktor tekhn.nauk; TAL', K., kand.tekhn.nauk; BULGAKOV, V., kand.tekhn.nauk; BORISHANSKIY, M., kand.tekhn nauk; VASIL'YEV, A., kand.tekhn.nauk; TURKIN, V., kand.tekhn. nauk.; NEMIROVSKIY, Ya., kand.tekhn.nauk; MAKARICHEV, V., kand.tekhn.nauk.

Rude attempt to misappropriate achievements of the Soviet art of building. Stroi.prom. 27 no.10:18-19 O '49. (MIRA 13:2)

(Reinforced concrete construction)
(Strains and stresses)

G. L'[illegible] I.I.

USSR/Physics - Elasticity Theory 21 Oct 49

"Several General Laws Governing the Process of Elastic-Plastic Deformations," I. I. Gol'denblat

"Dok Ak Nauk SSSR" Vol LXVIII, No 6, pp 1005-1008

Discussion based upon theorem that any equilibrium process of infinitely small deformation is completely determined by 1st and 2d invariants of stress tensor as functions of 1st and 2d invariants of deformation tensor and absolute temp. Submitted by Acad L. S. Leybenzon 1 Jun 49.

172177

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515620013-8

Gol'denblat, I. I. Some new problems in the dynamics of structures. Trevatiya Akad. Nauk SSSR. Otd. Tehn. Nauk 1950, 819–833 (1950). (Russian)

This paper presents a survey of the results of research in the dynamics of structures obtained at the Central Institute for Scientific Research on Industrial Structures. The paper is organized into three parts: (1) quasi-harmonic oscillations; (2) oscillations of elastic systems under the action of moving loads; and (3) nonlinear oscillations. A series of tests is discussed confirming the existence of quasi-harmonic resonance predicted by the Mathieu equations. The motion of two trains at equal speeds across a bridge and the motion of a liquid inside of an elastic pipe are next taken as examples of the theoretical investigations into the action of moving loads. It is shown that, if the inertia of the moving mass is taken into account, the structure will become unstable for sufficiently high velocities. The coupling between the vertical and the horizontal oscillations of a suspension bridge are next used to illustrate an important case of nonlinear oscillations. Conditions under which a transfer of energy between the modes takes place have been experimentally verified at the institute. A bibliography of the quoted results is appended. *H. I. Ansoff* (Santa Monica, Calif.).

Source: Mathematical Reviews, Vol No.

USSR/Physics - Elasticity
Stress, Strains

21 Feb 50

"Problem Concerning the Mechanics of Finite Strain (Deformation) in Continuous Media," I. I. Gol'denblat

"Dok Ak Nauk SSSR" Vol LXX, No 6, pp 973-976

Poses problem of determining, according to partial data of experimental works, general relation between stress, strain, and temperature fields for any deformed state. Solves this problem for isothermic or adiabatic equilibrial process of finite strain in isotropic media. Experiments can determine interrelation of these fields only for certain partial forms of stressed state. Establishes general theorem. Submitted 27 Dec 49 by Acad A. I. Nekrasov.

165T70

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515620013-8"

GOL'DENBLAT, I.I.; SNITKO, I.K., kandidat tekhnicheskikh nauk, redaktor; DAKHNOV, V.S., tekhnicheskiy redaktor

[Introduction to the theory of creep of building materials] Vvedenie v teoriiu polzuchesti stroitel'nykh materialov. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1952. 119 p. (MLRA 7:10) [Microfilm]

(Creep of materials)

GOL'DENBLAT, I.I., redaktor; SIZOV, A.M.; SNITKO, I.K., kandidat tekhnicheskikh nauk, redaktor; CHEBYSHEVA, Ye.A., tekhnicheskiy redaktor.

[Reference book on calculating strength and vibrations in structural elements] Spravochnik po raschetu stroitel'nykh konstruktsii na ustoichivost' i kolebaniia. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1952. 251 p. [Microfilm] (MLRA 8:1)

(Structures, Theory of)

GOL'DENBLAT, I.I. [author]; ODING, I.A.; SOROKIN, O.V. [reviewers].

"Introduction to the theory of creep in building materials." I.I.Gol'denblat. Reviewed by I.A.Oding, O.V.Sorokin. Sov.kniga no.8:42-43 Ag '53. (MLRA 6:8)

(Strength of materials) (Gol'denblat, I.I.)

STRELETSKIY, N.S., professor, doktor tekhnicheskikh nauk; KELDYSH, V.M., professor, doktor tekhnicheskikh nauk; GVOZDEV, A.A., professor, laureat Stalinskoy premii, doktor tekhnicheskikh nauk; ONISHCHIK, L.I., professor, doktor tekhnicheskikh nauk; GOL'DENBLAT, I.I., doktor tekhnicheskikh nauk; KARTASHOV, K.N., kandidat tekhnicheskikh nauk; BALDIN, V.A., kandidat tekhnicheskikh nauk; TAL', K.E., kandidat tekhnicheskikh nauk.

Discussion of the problem of building calculations using the method of limiting states. Stroi.prom. 32 no.4:41-42 Ap '54. (MLRA 7:5)

1. Chlen korrespondent Akademii nauk, deystvitel'nyy chlen Akademii arkhitektury (for Streletskiy). 2. Vitse-prezident Akademii arkhitektury (for Keldysh). 3. Chlen-korrespondent Akademii arkhitektury (for Gvozdev). 4. Chlen-korrespondent Akademii arkhitektury (for Onishchik). (Building--Tables, calculations, etc.) (Reinforced concrete construction)

GOL'DENBLAT, Iosif Izrailevich; GORBACHEVA, O.S., redaktor; MURASHOVA, N.Ya., tekhnicheskiy redaktor.

[Problems of the mechanics of deforming media] Nekotorye voprosy mekhaniki deformiruemykh sred. Moskva, Gos.izd-vo tekhniko-teoret. lit-ry, 1955. 271 p. (MLRA 8:12)
(Deformations(Mechanics))

Translation from: Referativnyy zhurnal Mekhanika, 1957, Nr 1, p 126 (USSR)

AUTHOR: Gol'denblat, I. I.

TITLE: Some Problems of the Theory of Elastic-plastic Deformations (Nekotoryye voprosy teorii uprugo-plasticheskikh deformatsiy)

PERIODICAL: V sb.: Issledovaniye prochnosti, plastichnosti i polzuchesti stroit. materialov. Moscow, 1956, pp 3-32

ABSTRACT: Equations are obtained for the theory of small elastic plastic deformations of anisotropic substances and for some variants of the theory of creep; the reasonings are based on the general tensorial characteristics of the deformation and stress fields, and on the assumption of the existence of a deformation-potential field. For isotropic substances, which remain isotropic even during the process of deformation, and for small deformations, it is shown that the relationships between σ_{ik} and ε_{ik} are fully determined if two invariant equations are given. Starting from but the two assumptions that the body deformation is elastic and that a deformation

Some Problems of the Theory of Elastic-plastic Deformations (cont.)

potential exists, the equations of the theory of small elastic-plastic deformations can be written in a form that is considerably more convenient in the transition to anisotropic substances. An analysis of the tensor of the moduli of elasticity is performed for linearly elastic substances. For anisotropic substances some general relationships are adduced through the use of the tensor of anisotropy, and more especially an expression of the tensor of the moduli of elasticity of the anisotropic substance through the tensor of anisotropy, and it is shown that the tensor of the moduli of elasticity admits not just one, but a series of equivalent concepts with the aid of the tensor of anisotropy. Further on, equations are derived to describe the elastic-plastic deformation of arbitrary anisotropic substances and, in particular, of substances constituted of symmetrical cubic crystals. This deduction is based on the assumptions that the first invariant of the stress tensor depends on the invariants of the tensor of antisotropy and that a deformation potential exists, the nature of which differs between a loading process and an unloading process. A demonstration is offered for the theorem that, if the components of a symmetrical tensor of rank two b_{ik} are functions of the components of another tensor of rank two a_{ik} and are functions

Some Problems of the Theory of Elastic-plastic Deformations (cont.)

admitting expansion in absolutely convergent exponential series, then these functions also admit a compact representation in terms of well-defined formulas. This representation become full, defined if three invariant equations are given, whereby a relationship is established between six arbitrary invariants of the tensors a_{ik} and b_{ik}. An examination is made of a nonlinear elastic system exposed to the action of n generalized forces. The author advances the proposition that, along with the potential energy and the Castigliano potential, 2^n-2 additional potentials exist, and that the Castigliano theorem is but a special case of a greater, more general, theorem.

A. K. Malmeyster

1. Plasticity--Theory 2. Elasticity--Theory
3. Creep--Theory 4. Materials--Deformation--Theory

GOL'DENBLAT, I.I.

3

Gol'denblat, I. V. The theory of small elastic-plastic deformations of anisotropic media. Izv. Akad. Nauk SSSR. Otd. Tehn. Nauk 1955, no. 2, 60-67 (Russian) 1-F/W

This paper first develops a finite-strain theory of the small elastic-plastic deformations of isotropic media. The yield condition is assumed to involve the first two invariants of the stress tensor. This theory is then extended to the case of anisotropic media. *H. G. Hopkins.*

Gol'denblat, I. I. On the theory of small elastic-plastic deformations of anistropic media. Dokl. Akad. Nauk SSSR (N.S.) 101 (1955), 619-622. (Russian)

This paper re-presents theory developed in the paper reviewed above. *H. G. Hopkins* (Sevenoaks).

Goldenblat, I. I.

USSR/ Engineering - Theory of elasticity

Card 1/1 Pub. 22 - 9/52

Authors : Goldenblat, I. I.

Title : About the theory of elastically plastic deformations of anisotropic media

Periodical : Dok. AN SSSR 101/4, 619-622, Apr 1, 1955

Abstract : A theory of small elastic-plastic deformations of anisotropic media is presented. The theory is a generalization of the contemporary theory of small elastic plastic deformations of isotropic media. Two USSR references (1948 and 1950).

Institution : Central Scientific Research Institute of Industrial Constructions (Promsooruzheni ye)

Presented by: Academician L. I. Sedov, January 5, 1955

GOL'DENBLAT, I.I.; KORENEV, B.G.; SIZOV, A.M.

Snow loads in the building norms and regulations. Stroi.prom.34 no.6:25-27 Je '56. (MLRA 9:9)

1.TSentral'nyy nauchno-issledovatel'skiy institut promyshlennykh sooruzheniy.
(Roofs)

GOL'DENBLAT, I.I., dokt. tekhn.nauk, prof., red.; BYKHOVSKIY, V.A., kand. tekhn.nauk, red.; KOLIK, P.A., red.izdatel'stva; EL'KINA, E.M., tekhn.red.

[Building in areas subject to earthquakes] Stroitel'stvo v seismicheskikh raionakh. Pod red.I.I.Gol'denblata i V.A.Bykhovskogo. Moskva, Gos.izd-vo lit-ry po stroit.i arkhit., 1957. 169 p. (MIRA 10:12)

1. Nauchno-tekhnicheskoye obshchestvo stroitel'noy promyshlennosti SSSR. (Earthquakes and building)

GOL'DENBLAT, I. I. (Odessa).

Experience in oral questioning of high school students in geometry. Mat. v shkole no.3:45-49 My-Je '57. (MLRA 10:6)

1. Zasluzhennyy uchitel' shkoly USSR.
(Geometry--Study and teaching)

GOL'DENBLAT, I.I., prof., doktor tekhn.nauk, red.; BYKHOVSKIY, V.A., kand. tekhn.nauk, red.; SHITKO, I.K., doktor tekhn.nauk, nauchnyy red.; GORYACHEVA, G.V., red.izd-va; RUDAKOVA, N.I., tekhn.red.

[Method of a seismic design of buildings and structures; a collection of articles] Metody rascheta zdanii i sooruzhenii na seismostoikost'; sbornik statei. Pod red. I.I. Gol'denblata i V.A. Bykhovskogo. Moskva, Ges. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1958. 153 p. (MIRA 12:2)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut stroitel'nykh konstruktsiy.

(Eartquakes and building)

AUTHORS: Bolotin, V.V., Vlasov, V.Z. (deceased), Gol'denblat, I.I. (Moscow)

TITLE: The Development of Structural Mechanics (O razvitii stroitel'noy mekhaniki)

PERIODICAL: Izvestiya Akademii nauk SSSR OTN, Mekhanika i mashinostroyeniye, 1959, Nr 2, pp 122-133 (USSR)

ABSTRACT: A review, in which the subject is dealt with under the following heads: traditional problems of structural mechanics; problems of constructional work beyond the elastic limit; stability; dynamic problems; aeroelasticity and allied problems; calculation of constructions under random forces; problems of thermo-elasticity, thermo-plasticity and thermal creep. There are 93 references, of which 68 are Soviet, 22 English and 3 German.

SUBMITTED: January 3, 1959.

Card 1/1

report presented at the 1st All-Union Congress of Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb 1960.

68. M. S. Ganeeva, Kh. M. Mushtari, R. S. Safain (Kazan): On a method of solving problems of the bending theory of shallow shells with the use of electronic digital computers.

69. O. T. Gazanov, S. O. Gurbanov (Baku): Solution of unsteady problems of hydrodynamics of viscous and visco-plastic fluids.

70. A. V. Gemmerling (Moscow): An approximate stability analysis of rotors in the elastic-plastic range.

71. G. A. Geniev (Moscow): Some problems concerning the plane flow of compressible plastic media.

72. G. F. Georgizian (Erevan): On a problem of elastic-plastic torsion of an anisotropic shaft.

73. I. S. Gersimov (Moscow): A dynamic problem for a conical shell.

74. M. V. Gzovskii (Moscow): Tectonophysics — a new domain of application of mechanics to geological problems.

75. M. V. Gzovskii, P. Cechina (Moscow): Simulating of processes of plastic deformation and rupture of solids with great variations of time and size.

76. V. G. Gmoshinskii (Moscow): Development of a theory of pressure in rocks with the use of the methods of continuum mechanics.

77. I. I. Golberg (Moscow): Some generalizations of the basic equations of visco-elasticity.

78. I. I. Golberg (Moscow): The propagation of longitudinal waves in a visco-elastic rod.

79. A. M. Goldburg, V. G. Korotkin (Leningrad): Theoretical and experimental methods of design of the locks of the Stalingrad hydroelectric power plant.

80. I. I. Goldenblat (Moscow): A generalized theory of plastic flow.

81. I. I. Goldenblat (Moscow): The theory of finite deformations of anisotropic elastic media.

82. I. I. Goldenblat, N. A. Nikolenko (Moscow): A general creep theory of shells.

83. A. L. Goldenweiser (Moscow): Development of the theory of thin elastic shells.

84. A. L. Goldenweiser (Moscow): Asymptotic integration of the equations of the theory of thin elastic plates.

85. M. I. Gorokhovsky-Yusalov (Moscow): Determination of the elastic zone boundary in a sand foundation, which approaches failure under the pressure of a rigid footing.

86. A. Ia. Gorgidze (Tbilisi): On secondary effects in torsion and bending of nearly prismatic bars.

87. L. V. Gorelik (Leningrad): On filtration force and viscous friction in water-saturated sand under dynamical conditions.

88. O. A. Gorovtsov, O. N. Zarin (Kiev): Contribution to the dynamics of inelastic one-dimensional continua of variable length.

89. A. S. Grigoriev (Moscow): On elastic-plastic deformation of non-homogeneous plates and discs.

90. A. S. Grigoriev (Moscow): Equilibrium of membrane shells of revolution for large displacements and strains.

91. G. S. Grigorian (Erevan): Creep design of thin orthotropic sandwich shells.

92. S. S. Grigorian (Moscow): The general equations of soil dynamics and some particular solutions.

93. D. V. Grilitskii (Lvov): Torsion of an elastic layer.

94. A. M. Grubin (Leningrad): Stress concentration in notched tension strips under large creep deformations.

95. V. S. Gubenko, V. I. Mossakovskii (Dnepropetrovsk): The pressure of an annular die on an elastic half space.

96. I. I. Gudushauri (Tbilisi): Effect of shear stresses in the design of foundation strips of arbitrary rigidity under arbitrary loads.

97. N. O. Gulkanian (Erevan): The bending of a hollow prismatic rod with a rectangular hole.

98. A. N. Guzhin (Moscow): The limit equilibrium of an elastic-plastic disc that is compressed between rough rigid plates.

99. G. G. Gutman (Leningrad): A plane multiply-connected region subjected to a conservative body force and non-uniform heating.

100. G. G. Gutman (Leningrad): The equilibrium of a hollow cone under its own weight and hydrostatic pressure on one of its surfaces when the axis of the cone has an arbitrary orientation.

101. V. M. Darevskii, P. I. Kabanskii (Moscow): Buckling of cylindrical cantilever shell with ring-stiffened edge under internal pressure.

GOL'DENBLAT, I.I., doktor tekhn.nauk prof.; NIKOLAYENKO, N.A., kand. tekhn.nauk; VILKOV, G.N., red.izd-va; NAUMOVA, G.D., tekhn.red.

[Creep and bearing capacity of shells] Polzuchest' i nesushchaia sposobnost' obolochek. Moskva, Gos.izd-vo lit-ry po stroit., arkhit.i stroit.mat. 1960. 57 p. (Akademiia stroitel'stva i arkhitektury SSSR. Institut stroitel'nykh konstruktsii. Nauchnoe soobshchenie, no.13). (MIRA 13:7)

(Elastic plates and shells)
(Creep of materials)

PHASE I BOOK EXPLOITATION 30V/4238

Gol'denblat, I. I., Doctor of Technical Sciences, Professor, and N. A. Nikolayenko, Candidate of Technical Sciences

Polzuchest' i nesushchaya sposobnost' obolochek (Creep and Carrying Capacity of Shells) Moscow, Gosstroyizdat, 1960. 59 p. (Series: Akademiya stroitel'stva i arkhitektury SSSR. Tsentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy. Nauchnoye soobshcheniye, vyp. 13) 3,200 copies printed.

Ed. of Publishing House: G. N. Vilkov; Tech. Ed.: G. D. Naumova.

PURPOSE: This booklet is intended for construction engineers, designers, scientific workers, and aspirants studying shell design problems.

COVERAGE: The book deals with problems of the creep and limit state of shells. General equations of the theory of high-temperature creep of shells made of different materials are introduced. The calculation of shells for creep is based on the momentless theory of A. Yu. Ishlinskiy and the elastic theory of Boltzmann-Volterra. There are 13 references: 10

Card 1/3

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515620013-8"

GOL'DENBLAT, I.I., prof., doktor tekhn.nauk; NIKOLAYENKO, N.A., kand. tekhn.nauk; GORYACHEVA, T.V., red.izd-va; MEDVEDEV, L.Ya., tekhn.red.; RUDAKOVA, N.I., tekhn.red.

[The theory of creep of building materials and its use] Teoriia polzuchesti stroitel'nykh materialov i ee prilozheniia. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1960. 253 p. (MIRA 13:6)

(Creep of materials) (Structures, Theory of)

GOL'DSHTEYN, L.N. (Novosibirsk)

"Some Problems in Relativistic Hydrodynamics."

report presented at the First All-Union Congress on Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb 1960.

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515620013-8"

GOL'DENBLAT, I.I., doktor tekhn.nauk; KORCHINSKIY, I.L., doktor tekhn. nauk; BYKHOVSKIY, V.A., kand.tekhn.nauk

Designing and calculating earthquake-proof construction elements. Izv. ASiA no. 3:95-107 '60. (MIRA 13:12)
(Earthquakes and building)

GOL'DENBLAT, I.I., doktor tekhn. nauk, prof., nauchnyy red.; BYKHOVSKIY, V.A., kand. tekhn. nauk, nauchnyy red.; MORSKOY, K.L., red. izd-va; GERASIMOVA, G.S., red. izd-va; NAUMOVA, G.D., tekhn. red.

[Lowering the cost and improving the quality of earthquakeproof construction] Snizhenie stoimosti i uluchshenie kachestva seismostoikogo stroitel'stva. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 159 p. (MIRA 14:10)

1. Nauchno-tekhnicheskoye obshchestvo stroitel'noy industrii (for Gol'denblat, Bykhovskiy).

(Earthquakes and building)

PHASE I BOOK EXPLOITATION SOV/6002

Gol'denblat, I. I., Doctor of Technical Sciences, and N. A. Nikolayenko, Candidate of Technical Sciences.

Rashchet konstruktsiy na deystviye seysmicheskikh i impul'sivnykh sil (Designing Structures For Earthquake and Dynamic Effects) Moscow, Gosstroyizdat, 1961. 319 p. 5000 copies printed.

Sponsoring Agency: Tsentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy Akademii stroitel'stva i arkhitektury SSSR.

Scientific Ed.: S. Yu. Duzinkevich, Engineer; Ed. of Publishing House: B. A. Begak; Tech. Ed.: N. V. Sherstneva.

PURPOSE: This book is intended for design engineers, aspirants, and personnel in scientific research institutes.

COVERAGE: Methods are discussed for designing some special structures (liquid-filled ground-level and underground tanks and the framed structures which support them) for dynamic loads caused by earthquakes. Concise information on

Card 1/[redacted]

GOL'DENBLAT, I.I.

Concerning the "clock paradox" in the theory of relativity.
Izv. vys. ucheb. zav.; fiz no.6:38-42 '61. (MIRA 15:1)

1. Voyennaya akademiya imeni F.E. Dzerzhinskogo.
(Relativity (Physics))

GOL'DENBLAT, I.I.; NIKOLAYENKO, N.A.

Determination of seismic forces on framed structures supporting tanks containing liquid. Trudy TSNIISK no.6:39-72 '61. (MIRA 15:1)
(Earthquakes and building)

VARVAK, P.M.; KIRIYENKO, V.I.; CHUDNOVSKIY, V.G.; KRYLOV, V.I.; PRAUDE, Z.I.; EFIMYAN, V.A.; IVANOV-DYATLOV, A.I.; FRANOV, P.I.; ASLANOV, A.Ye.; BERDICHEVSKIY, N.M.; IZAKSON, S.I.; [illegible]; KOLESOV, K.S.; KUYDICH, S.A.; SVERDLOV, A.I.; SIVKO, Yu.A.; [illegible], S.K., BOLOTIN, V.V.; GOL'DENBLAT, I.I.

Book reviews and bibliography. Stroi. mekh. i raschet. sooruzh. 3 no.5:48-50 '61. (MIRA 14:9)

(Bibliography--Structures, Theory of)

GOL'DENBLAT, Iosif Izrailevich; NIKOLAYENKO, Nikolay Aleksandrovich; BOKSHA, N.V., red.; POPOVA, S.M., tekhn. red.

[Calculation of thermal stresses of nuclear reactors]Raschety temperaturnykh napriazhenii v iadernykh reaktorakh. Moskva, Gosatomizdat, 1962. 158 p. (MIRA 15:11)
(Nuclear reactors)

GOL'DENBLAT, I.I.

"Stastical methods in structural mechanics" by V.V.Bolotin. Reviewed by I.I.Gol'denblat. Stroi. mekh. i rasch. soor. 4 no.2:48-3 of cover '62. (MIRA 15:5)
(Strength of materials) (Statistics) (Bolotin, V.V.)

GOL'DENBLAT, I.I.

Design of suspension bridges and gas pipelines for wind and seismic loads. Trudy TSNIISK no.18:3-19 '62. (MIRA 16:2)
(Bridges, Suspension) (Gas, Natural--Pipelines)

BYKHOVSKIY, V.A.; GOL'DENBLAT, I.I.; KORCHINSKIY, I.L.

Standardizing seismic loads; a note. Trudy TSNIISK no.18:205-206 '62. (MIRA 16:2)
(Earthquakes and building)

GOL'DENBLAT, I.I.; KORENEV, B.G.; RABINOVICH, I.M.; SMIRNOV, A.F.

Concerning the article by A.A.Pikovskii and A.A.Derkachev, "Dynamic theory of stability." Stroi.mekh.i raschsoor. 5 no.2:44-47 '63. (MIRA 16:6)

(Stability)

GOL'DENBLAT, I.I. (Moscow):

"Variational principles and potentials in non-linear structural mechanics of elastic systems"

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 Jan - 5 Feb 64.

GOL'DENBLAT, I.I.; KOPNOV, V.A. (Moscow):

"Creep of anisotropic media."

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 Jan - 5 Feb 64.

BOLOTIN, Vladimir Vasil'yevich; GOL'DENBLAT, Iosif Izrailevich; SMIRNOV, Anatoliy Filippovich; GORYACHEVA, T.V., red.

[Present-day problems of structural mechanics] Sovremennye problemy stroitel'noi mekhaniki. Moskva, Stroiizdat, 1964. 130 p. (MIRA 17:12)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515620013-8

L 55159-65 EWT(d)/EPA(s)-2/EWT(m)/EWP(w)/EPF(c)/EWG(v)/EWP(c)/EWA(d)/EWP(v)/EPR/EWP(j)/T/EWP(t)/EWP(k)/EWP(h)/EPA(bb)-2/EWP(z)/EWP(b)/EWP(l)/EWA(h)/EWA(l) Pc-4/Pe-5/Pf-4/Pr-4/Ps-4/Pt-7/Peb IJP(c) JD/WW/HW/RM

AM5013205 BOOK EXPLOITATION UR/

621.539.4.001.24:536.4

Bezukhov, N. I.; Bazhanov, V. L.; Gol'denblat, I. I. (Doctor of Technical Sciences; Professor); Nikolayenko, N. A.; Sinyukov, A. M.

Calculations of strength, stability, and vibration under high temperature conditions (Raschety na prochnost', ustoychivost' i kolebaniya v usloviyakh vysokikh temperatur) Moscow, Izd-vo "Mashinostroyeniye" 1965. 0566 p. illus., bibl.o. Errata slip inserted. 6000 copies printed.

TOPIC TAGS: structure strength, structure stability, structure vibration, thermal elasticity, thermal plasticity, creep thermal stress

PURPOSE AND COVERAGE: This book is intended for engineer-designers and scientific workers. It may also be used by students of schools of higher technical education as a supplementary text for studying the theory of thermal stresses. Methods of calculating the strength, stability, and vibration of structures used in machine-building which are exposed to large high-temperature gradients are described.

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PART III. NONUNIFORMLY HEATED PLATES AND TURBINE BLADES

PART IV. NONUNIFORMLY HEATED THIN-WALL ROTATION SHELLS

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PART V. THERMAL STRESSES IN CERTAIN SPECIAL TYPES OF STRUCTURES

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Appendix 7. Fiber-glass reinforced plastics -- 553

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SUB CODE: MM, IE SUBMITTED: 14Dec64 NO REF SOV: 276

OTHER: 079

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515620013-8

L 6302-65 EWT(m)/EPF(c)/EWG(v)/EWP(j)/T Pc-4/Pe-5/Pr-4/Ps-4 WW/JAJ/RM

ACCESSION NR: AP5012430 UR/0374/65/000/002/0070/0078
678.539.4.011

AUTHORS: Gol'denblat, I. I. (Moscow); Kopnov, V. A. (Moscow)

TITLE: Strength of glass-reinforced plastics in the state of complex stresses

SOURCE: Mekhanika polimerov, no. 2, 1965, 70-78

TOPIC TAGS: fiber glass, oriented plastic resin, tensile property, tensile stress, tensile strength

ABSTRACT: The purpose of the investigation was to generalize the existing strength criteria for anisotropic glass-reinforced plastics. The proposed criterion is expressed in tensor invariant form, the tensor components being functions of the mechanical properties of the material, the temperature, and shape factor

$$(\Sigma \Pi_{ik}\sigma_{ik})^{\alpha}+(\Sigma \Pi_{pqnm}\sigma_{pq}\sigma_{nm})^{\beta}+ +(\Sigma \Pi_{rstlnm}\sigma_{rs}\sigma_{tl}\sigma_{nm})^{\gamma}+\ldots\leqslant 1,$$

where Π_{ik}, et cetera are the strength tensors of various ranks and σ_{ik}, et cetera are the applied tensile and/or compression stresses. The authors retain

Card 1/2

L 63023-65

ACCESSION NR: AP5012430

only the linear and quadratic terms and express the criterion by

$$\Sigma \Pi_{ik}\sigma_{ik}+\sqrt{\Sigma \Pi_{pqrs}\sigma_{pq}\sigma_{rs}} \leqslant 1;$$

$$i, k, p, q, r, s = 1,2.$$

The results of theoretical calculations are in good agreement with the experimental data on paperlite (resin-impregnated laminated paper) and textolite pipes of K. V. Zakharov (zhurnal "Plasticheskiye massy", 1961, 8). It is suggested that the new criterion affords the determination of strength of all types of fiberglass plastics for every direction of the glass fibers in the material. Orig. art. has: 1 table, 2 graphs, and 29 equations.

ASSOCIATION: none

SUBMITTED: 12Nov64 ENCL: 00 SUB CODE: MT, ME

NO REF SOV: 001 OTHER: 002

Card 2/2

GOL'DENBLAT, I.I., zasluzhennyy uchitel'shkol USSR (Odessa)

Introductory course of geometry. Mat. v shkole no.6:28-30 N-D '59.
(Geometry--Study and teaching) (MIRA 13:3)

1. GOL'DENBLAT, I. L.

2. USSR (600)

4. Geometry - Study and Teaching

7. Solving geometry problems for proof. Mat. v. Shkole no. 5, 1952.

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

GOLUBNITSAT, I.V.

29615

Iz istorii stroitel'noy tekhniki. Stroit. mat-ry 1949, No. 7, S. 19-20

SO: Letopis' No.40

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515620013-8

GOL'DENBLAT

Gol'denblat, I. V. On the equations of equilibrium for a plastic medium. Akad. Nauk SSSR. Prikl. Mat. Meh. 13, 113-114 (1949). (Russian)

The author derives a stress-strain law from the assumption that the free energy is a function of the absolute temperature and the linear and quadratic invariants of the strain tensor. The resulting stress-strain law is of the deformation type. [Stress-strain laws of this type represent (nonlinear) elastic rather than plastic behavior.]

W. Prager (Providence, R. I.).

Source: Mathematical Reviews, Vol. 10, [illegible]

USSR/Mathematics FD-2238

Card 1/1 Pub 41-6/17

Author : Gol'denblat, I. V., Moscow

Title : The theory of small elastic-plastic deformations in anisotropic media

Periodical : Izv. AN SSSR, Otd. Tekh. Nauk 2, 60-67, Feb 1955

Abstract : Derives basic equations on the theory of small elastic-plastic deformations in anisotropic media, using the general tensors of deformation and stress as well as the potentials of deformation. The formulae derived are natural generalizations of corresponding equations on the theory of small elastic-plastic deformations of isotropic media. Studies some general relationships between isotropic and anisotropic media. Formulae, diagrams. Two USSR references.

Institution:

Submitted : Jun 29, 1954

GOL'DENBLAT, I.V., doktor tekhn.nauk

From the history of building technology. Stroi.prom. 27
no.9:19-20 S '59. (MIRA 13:2)
(Structures, Theory of)

BYKHOVSKIY, V.A.; GOL'DENBLAT, I.V.; KOLCHINSKIY, I.L. (Moskva)

Building requirements for seismic stresses. Stroi.mekh.i rasch.sooor. 3 no.2:11-16 '61. (MIRA 14:5)
(Earthquakes and building)

GOLDENBLAT, I. I.; KORCHINSKIY, I. L.; SIMKOVSKIY, V. N.

"Design of Earthquake-Proof Building Structures in the USSR."

report submitted for the Second World Conference on Earthquake Engineering, Tokyo and Kyoto, Japan, 11-18 July 1960.

GOLDENFELD, I.V.

Delimitation problem of two groups of different ages in the archean of the southwestern Ukraine. Analele geol geogr 17 no.3:77-84 JL-S '63.

GOL'DENBLATT, I.I. (Moskva); KOPNOV, V.A. (Moskva)

Strength criterion for anisotropic materials. Izv. AN SSSR. Mekh. no.6:77-83 N-D '65. (MIRA 19:1)

15-57-1-738

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1, p 117 (USSR)

AUTHOR: Gol'denfarb, A. I.

TITLE: Gravel of Porous Clay Filler From the Clays of Azerbaidzhan (Keramzitovyy graviy iz glin Azerbaydzhana)

PERIODICAL: Sb. tr. Azerb. n.-i. in-ta stroit. materialov i sooruzheniy, 1956, Nr 5, pp 82-97.

ABSTRACT: The greatest intensity of swelling in clays on the Apsheron Peninsula and in several other regions of Azerbaydzhan is found in the bentonitic clays of the Khurdalan and Agzy-Khezri deposits on the Apsheron Peninsula and especially in the bentonitic clays of the Khanlar deposit (near the town of Kirovabad). In preparing the porous clay filler, brick-tile types of clays from the Zykh, Binagady, and Lokbatan deposits are also used. The chemical composition and plasticity of the clays are given in the accompanying table (in

Card 1/2

ISMAYLOVA, Makhbuba Ali kyzy; GOL'DENFARB, A.I., red.; SHTEYNGEL', A.S., red. izd-va

[Clays of Azerbaijan] Gliny Azerbaidzhana. Baku, Azerbaidzhanskoe ogs. izd-vo neft. i nauchn.-tekhn.lit-ry, 1957. 319 s. (MIRA 11:4)
[Azerbaijan--Clay)

GOL'DENFARB A.I.

MAMEDOV, A., kand. geol.-mineral. nauk; ALIYEV, A., kand. tekhn. nauk; GOL'DENFARB, A., kand. tekhn. nauk

The most efficient methods for expanding perlites and obsidians from Kelbadzhar deposits. Stroi. mat. 4 no. 7:34 Jl '58. (MIRA 11:7)

(Perlite(Mineral))
(Rocks, Igneous)

SOV/4-59-1-20/42

AUTHORS: Ismailova, M., and Gol'denfarb, A., Candidates of Technical Science

TITLE: Inflated Obsidian (Vspuchennyy obsidian)

PERIODICAL: Znaniye - sila, 1959, Nr 1, p 30 (USSR)

ABSTRACT: It has recently been found that obsidian - a vulcanic rock- if heated to a temperature of 1,000 to 1,300 degrees, increases in size. It loses its shine, becomes a porous mass and increases in volume eight times. Because of its small weight, porosity and durability the new material has proved to be an excellent heat insulator. It can also be used instead of gravel for making concrete. In the Azerbaydzhanskiy nauchno-issledovatel'skiy institut stroitel'nykh materialov i sooruzheniy imeni S.A. Dadasheva (Azerbaydzhan Scientific-Research Institute of Building material and Constructions imeni S.A. Dadashev) the technology for obtaining

articles from obsidian has been worked out, while the Sovnarkhoz of the Azerbaydzhan SSR has begun building the first industrial installation for manufacturing inflated obsidian. There is 1 photo.

MAMEDOV, A.I.; ALIYEV, A.G.; GOL'[illegible], A.I.

Using Azerbaijan pearlites [illegible] for [illegible] light [illegible] materials for various types of [illegible]. Izv. AN Azerb.SSR, Ser.geol.-geog.[illegible] no.3: 1-[illegible]. (MIRA 1[illegible]:11)
(Pearlite) (Obsidian) (Build[illegible]ials)

AUTHOR: Goldenfarb, F.N. and Dubinets, V.P., Engineers.

TITLE: Construction of the boilers TP-230-B and TP-170-B in the form of pre-assembled blocks (Konstruktsii blochnykh kotlov TP-230-B i TP-170-B).

PERIODICAL: "Energomashinostroenie" (Power Machinery Construction), 1957, No. 3, pp. 1 - 6, (U.S.S.R.)

ABSTRACT: The Taganrog Boiler Works worked out projects of steam boilers of 230 and 170 t/h capacity of steam of 100 atm. with a super-heating temperature of 510 °C, which are specially designed for manufacture and delivery in the form of large pre-assembled blocks. The sub-division of the boilers into blocks is indicated diagrammatically in Fig. 1. The screen surfaces consist of 14 blocks for the boiler, TP-230 and of 12 blocks for the boiler, TP-170. The side screens of both boilers consist of 3 blocks each and the front and the rear screens consist of 4 blocks for the boiler, TP-230 and of 3 equal blocks for TP-170. All the blocks are delivered in the form of panels of about 2.5 m wide and about 26 m long, each consisting of a certain number of heating tubes, bottom and top chambers etc., as shown in Fig. 2. The average weight of the block without packing materials is about 15 tons. A brief description of the design and of the general features of the boiler TP-230-B is given; it is of the single drum type and a drawing of the general view of the boiler is given

Construction of the boilers PP-230-B and PP-170-B in the form of pre-assembled blocks. (Cont.)

from 55 900 standard man hours to about 95 000 standard man hours, as a result of pre-assembly into blocks, i.e. the pre-assembly, including the special packing arrangements for transportation in the form of pre-assembled blocks, required about 32 000 standard man hours.

1 table, 1 figure (line drawing)

GOL'DENFERB, I.N., inzh.; GETALO, N.N., inzh.

The TP-90 boiler installation of 500 tons/hr. capacity.
Energomashinostroenie 4 no.11:1-8 N '58. (MIRA 11:11)
(Boilers)