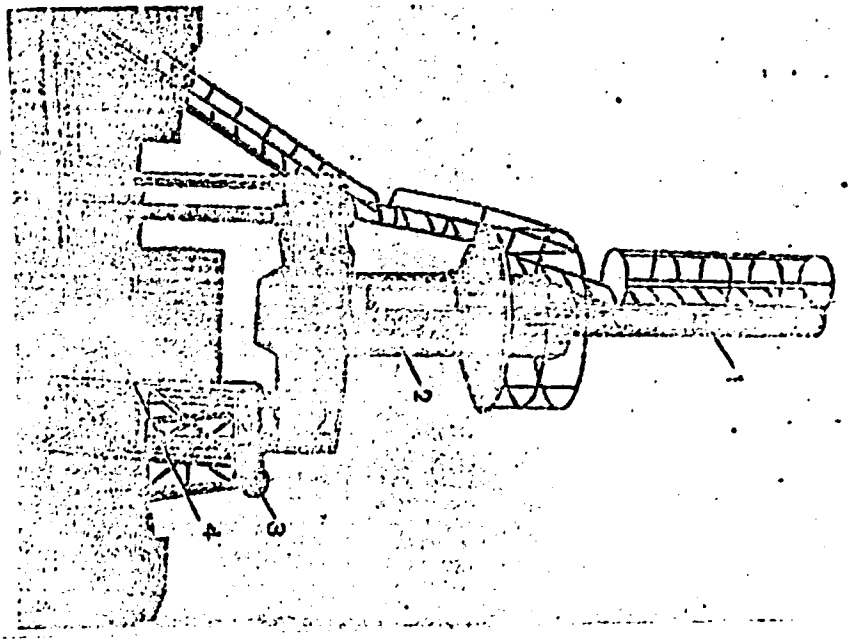
S/193/60/000/012/004/018
A004/A001

The П-940 (P-940) Shaping Press

cm^2; electric drive: make of electromotor - A082-6; power at 980 rpm - 28 kw; overall dimensions of the press (length x width x height) - 7,720 x 6,800 x 10,000 mm; weight - 34 tons. There is 1 figure.



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S/182/60/000/012/006/010
A161/A030

AUTHORS: Nayguz, N.I. and Berul', G.M.

TITLE: Tube Swaging Press With Synchronous Slides Motion

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, 1960, No.12, pp. 21-25

TEXT: The Odesskiy zavod pressov (Odessa Press Plant) has designed and produced a П040 (P040) hydraulic press for swaging steel and nonferrous metal tube ends preliminary to drawing through dies. Tubes of 80 to 408 mm in diameter may or may not be heated. The article gives detailed design and operation information. The press eliminates the hot swaging on drop hammers, the swaged (pointed) tube end is shorter, and noise is completely eliminated. The press (Fig.1) is annular, with 8 radial cylinders and a hydraulic oil drive; the work rate is 40 swagings per hour, the press effort 2,000 tons. The cylinders (2) are attached with bolts (3) and fixed with pins; the wedges (4) are tightened at the test with 250 kg/cm^2 pressure and form a rigid system with the cylinders; residual stresses in the circular cast steel frame (1) ensure geometrical stability. The piston cylinders (Fig.2) are easily removable. The hollow cast iron piston (2) is sealed with six

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Tube Swaging Press With Synchronous Slides Motion

piston rings (3) and its travel is limited by the split ring (4) which is retained with the ring (5). The holes (6) closed with plugs (7) are designed for removing the ring (4); the ring (8) is for tight fitting of the bronze guide bushing (9) on the cone (10) that is designed for easy insertion of the piston into the cylinder. The punches are attached to the piston rods and bear columns preventing the pistons from turning in the cylinders and bearing in their turn pushing rods exerting pressure on the racks of a tracing slide valve. Replaceable tool sectors (2), (Fig.3) are attached to the punches (1) and fixed by spring-loaded latches. The contacting surfaces of the sectors are comb-shaped to prevent metal from flowing into interstices. The work surface of the tool is staged to prevent the tube from moving out under pressure. A lever in one of the sectors presses on a microswitch to switch the press on when a tube is installed. A mechanical bed (Fig.4) automatically feeds tubes in and out. It includes a central shaft (1), two drive shafts (2 and 3), drive (4) for discs and drive (5) for rollers, stops and limit switches. The discs with sector-shaped cuts are bearing rollers (8); the rollers are connected with bevel gears (9) engaging with gears (10) on the central shaft. When it rotates, the rollers on the right and left discs rotate in the opposite sense; the left discs are rotated through gears

Tube Swaging Press With Synchronous Slides Motion

(11) by the shaft (3), and the right discs from the shaft(2). The discs must rotate in one sense for moving the tube, and to achieve this both drive shafts are coupled through an auxiliary disc (12). The angle between rollers from left and right is changed by swinging the discs in the opposite sense to accomodate tubes of larger diameter. The gear (13) and lever (14) are designed for this purpose. Stops on the disc (12) actuate limit switches for giving a signal to the automatic control board. A mobile electromagnetic stop (16) and lever system (17) fix the discs. The friction clutch (18) protects the lever system. Even motion of all eight pistons is controlled by a hydraulic synchronizer (Fig.5) with eight swinging bronze bushings (2) fitted to the frame with 0.01 mm gap; gears (3) rigidly coupled with the bushings are engaging with racks (4) with flanges (5) that are joined to the press slides. When the slides move, the racks (4) and gears (3) turn the bushings (2). The valve (6) has a flange (7) with a spiral shank entering the bore in the valve; the pins (8) enter the flutes. Oil feed into the one or the other valve space makes it move (with rotation due to the spiral). It engages by the pin (9) with the gear (10) placed on a needle bearing in a bore in the frame. Gears (12) are rigidly coupled with swing slide valves

Card 3/12

(13) that are rotated by gears(10) and (12). The pressure and drain ducts of the valve (13) communicate through flat slits in the bushings and valves that are matching in two positions that correspond to the work and the return travel of slides. If one of the slides begins to lead, its bushing also begins leading its slide valve, and it closes the slit preventing oil from entering into the leading cylinder. If a cylinder lags, its bushing brakes the valve (13) through the pin (14), and with it the setting mechanism. All other bushings start leading their valves and closing the slits, i.e., the velocity of all other slides is reduced. The hydraulic drive control is automated and either actuated with push buttons (for setting), or with electric impulses (automatic cycle). The hydraulic drive works from a HПМ-100 (NPM-100) pump and a H-400 (N-400) eccentric pump. The hydraulic system is illustrated in the diagram (Fig.6). The eccentricity and elliptic inaccuracy of the swaged tube ends does not exceed 5-6% of the punch travel. The work rate is 30 times higher than swaging on drop hammers, and the press cost is amortized in one year. There are 6 figures.

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A161/A030

Tube Swaging Press With Synchronous Slides Motion

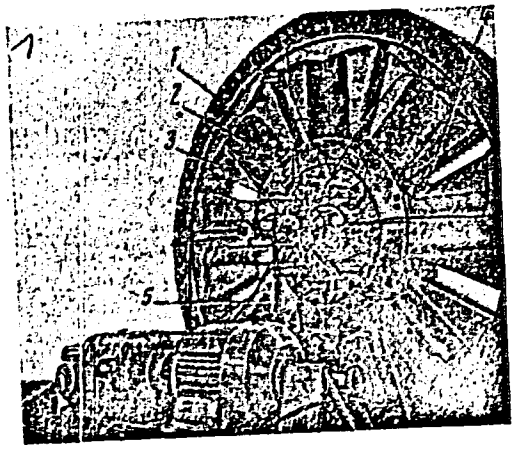

Fig. 1 - The P040 press.

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Tube Swaging Press With Synchronous Slides Motion

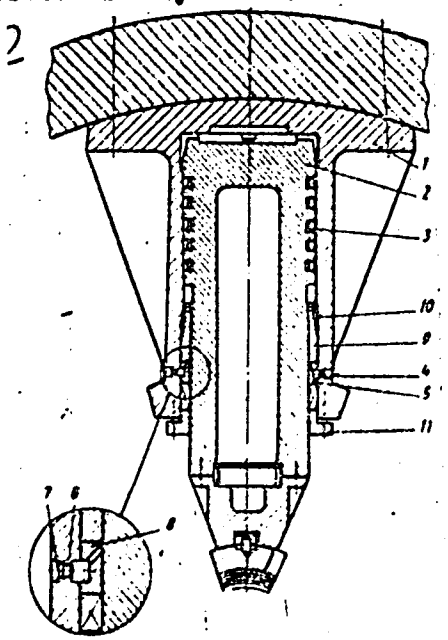

Fig. 2 - A piston cylinder

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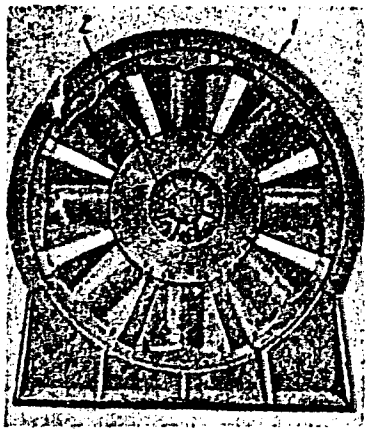
S/182/60/000/012/006/010
A161/A030

Tube Swaging Press With Synchronous Slides Motion

Fig. 3 - View from the charging side



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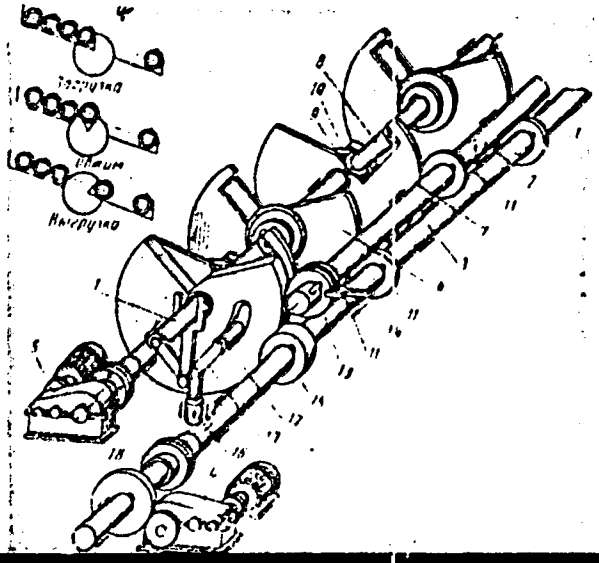
S/182/60/000/012/006/010
A161/A030

Tube Swaging Press With Synchronous Slides Motion

Fig. 4 - Kinematic system of the mechanical bed.
(1) - charging; (2) - swaging;
(3) - removal.



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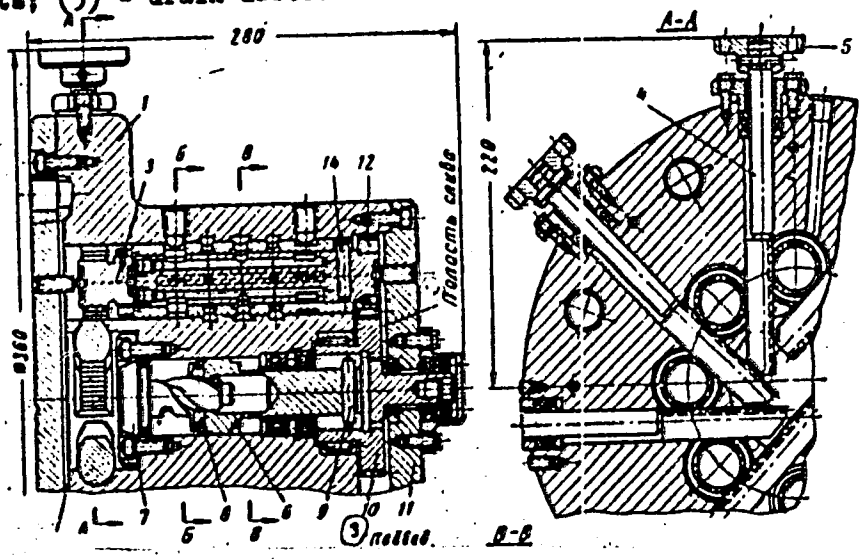
S/182/60/000/012/006/010
A161/A030

Tube Swaging Press With Synchronous Slides Motion

Fig. 5 - Hydraulic synchronizer. (1) and (2) - Drain space; (3) - feed; (4) cylinder ducts; (5) - drain ducts.



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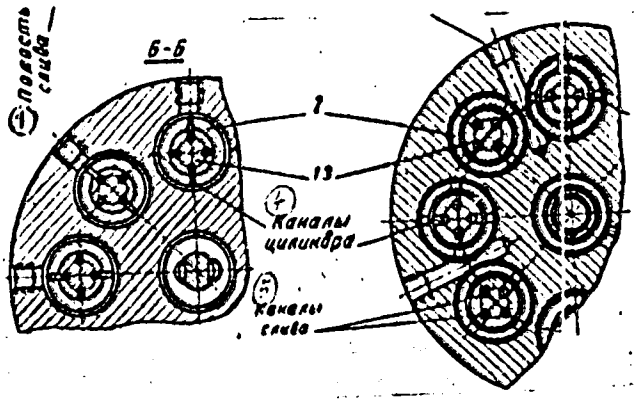
S/:.82/60/000/012/006/010
A161/A030

Tube Swaging Press With Synchronous Slides Motion

Figure 5 (continued)



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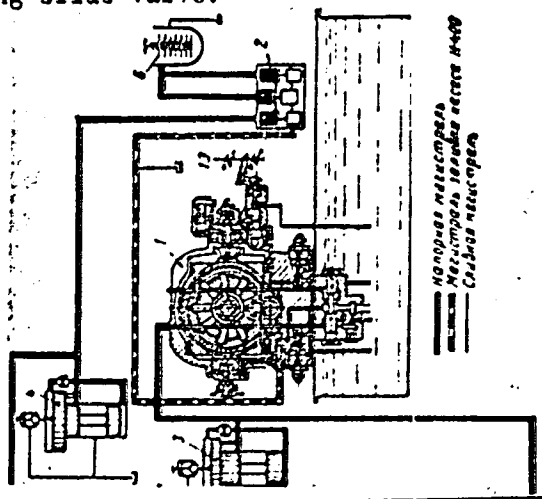
Tube Swaging Press With Synchronous Slides Motion A161/A030

Fig. 6 - The hydraulic circuit. 1 - The NPM-100 piston pump with electric control; 2 - the N-400 piston pump; 3 - safety valve with 1 KPM-25 (1KRM-25) by-pass slide valve; 4 - safety valve with 1KP-15 (KR-15) by-pass slide valve; 5 - four-way slide valve controlled from electromagnet; 6 - laminated filter; 7 - tracing slide valve.



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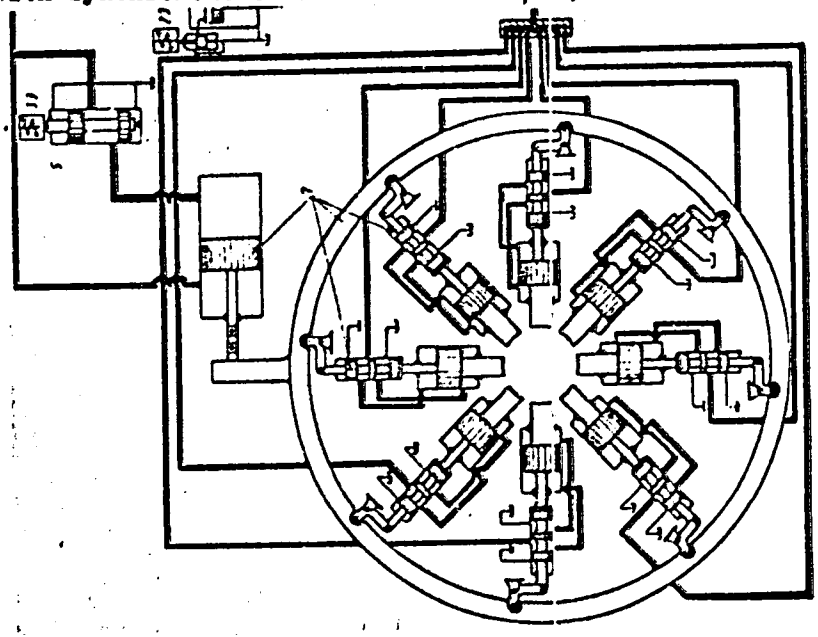
S/182/60/000/012/006/010

Tube Swaging Press With Synchronous Slides Motion A161/A030

Figure 6 (continued)



Card 12/12

NAYGUZ, N.I.

Press for plastics with a programmed control. Plast.massy no.7:50-51 '61. (MIRA 14:7)

(Plastics industry--Equipment and supplies)

NAYCUZ, N.I.

Power presses for the manufacture of wood particle boards.
Bum.i der.prom. no.1:50-53 Ja-Mr '62. (MIRA 15:5)

1. Odesskiy zavod pressov.
(Hardboard) (Power presses)

S/226/62/000/003/013/014
I007/I207

AUTHOR: Nayguz, N. I. and Mil'shteyn, D. S.

TITLE: Hydraulic press for hot pressing hard alloys and refractory (high-melt ng) materials

PERIODICAL: Poroshkovaya metallurgiya, no. 3, 1962, 89–96

TEXT: This describes a hydraulic press produced in 1960 by the Odesskiy zavod pressov (Odessa Press Factory), permitting parts of various shapes to be obtained by sintering and pressing powder components at a temperature of up to 2800°C and under a specific pressure of 200 kg/cm². It consists of an individual hydraulic (oil) drive, a servosystem for control of cross-head displacement, an electric plant for voltage regulation and automatic control of press operation, auxiliary equipment for cooling, waste water and oil removal, and a special electric-resistance heating unit intended to raise the temperature of the parts to be pressed heating unit intended to raise the temperature of the parts to be pressed to 2800°C. The pressing unit has the following basic charateristics: 1) Pressing force (maximum), 40 tons; 2) Cross-head stroke, 450 mm; 3) Maximum diameter of parts to be pressed, 130 mm; 4) Cross-head traveling rate, 0.3 mm/sec; 5) Power of electric-heating unit, 240 KVA; 6) Maximum intensity of heating current, 4200 A; 7) Working pressure on the press-form, 200 kg/cm²; 8) Over-all size of press, 2700 × 2800 × 3835 mm; total weight (including electric installation), 11 tons. There are 3 figures.

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Hydraulic press for hot...

S/226/62/000/003/013/014
I007/1207

ASSOCIATION: Odesskiy zavod pressov (Odessa Institute for Pressuring)

SUBMITTED: October 28, 1961

Card 2/2

NAYGUZ, N.I.; BERUL', G.M.; REKHTER, V.Sh.

Three-position automatic presses for the manufacture of coal-graphite products. Kuz.-shtam.proizv. 4 no.8:30-33 Ag '62. (MIRA 15:8)

(Hydraulic presses) (Graphite)

NAYGUZ, N.I.; SLYUSARENKO, A.F.

AFA-1A-type automatic molding unit. Kuz.-shtam.proizv. 4 no.12:29-33 D '62. (MIRA 16:1)
(Hydraulic presses) (Grinding wheels)

NAYGUZ, N. I., inzh.

Rem P943 and I1039 presses. Mashinostroenie no.5:14-16 S-O '62. (MIRA 16:1)

1. Odesskiy zavod pressov.

(Hydraulic presses)

NAYGUZ, N.I.

The P983 and P6738 hydraulic horizontal fitting-on presses. Biul.-tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch. i tekh.inform. no.8: 21-23 '62. (MIRA 15:7)

(Hydraulic presses)

NAYGUZ, Natan Iosifovich; BASIN, Mikhail Natanovich; MOKROV, I.I., inzh., retsenzent; PILIPENKO, Yu.P., inzh., red.; GORNOSTAYPOL'SKAIA, M.S., tekhn. red.

[Presses for cold briquetting of metal scrap] Pressy dlia kholodnogo briketirovaniia metallicheskoi struzhki. Moskva, Mashgiz, 1963. 94 p. (MIRA 16:6)
(Power presses) (Scrap metals)

S/193/63/000/001/005/008
AC04/A101

AUTHOR: Naygnz, N. I.

TITLE: Models P957 (P957) and P 6039 (P6039) hydraulic 800-ton capacity straightening presses

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 1, 1963, 28 - 31

TEXT: The Odesskiy zavod pressov (Odessa Press Plant) has started the production of the models P957 and P6039 800-ton presses for straightening welded metal structures, sections, shafts and tubing. The bracket-shaped design of these presses makes it possible to use them in various boiler, bending and stamping operations. A description of the basic press units is given and the following technical data presented (model P6039 specifications in brackets): pressing capacity, tons - 800 (800); piston stroke, mm - 500 (500); overhang, mm - 700 (700); open height, mm: with tool - 1,400 (670), without tool - 1,700 (1,050); distance between lower supports, mm: maximum - 6,000 (5,000), minimum - 2,000 (2,000); table dimensions, mm: length - 7,000 (6,000), width - 1,100 (1,100); working fluid pressure, kg/cm^2 - 200 (200); press hydraulic drive motor: A094-6 (A054-6), power,

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S/193/63/000/001/005/008
A004/A101

Models П 957 (P957) and П 6039 (P6039) hydraulic...

kW - 75 (75), speed, rpm - 985 (985); press hydraulic drive pump: НПДН 1-200 М [NPD1-200M] (NPD1-200M), capacity, l/min - 20-200 (20-200), pressure, kg/cm^2 - 200 (200); roll-train hydraulic drive pump: - (Г 12-14А [G12-14A]); capacity l/min: - - (50); pressure, kg/cm^2: - (50); roll-train rotation hydraulic motors: - (м10), effective power, kW: - (5), speed, rpm: - (150 - 700); displacement rate of components, m/min: - (0.4 - 1.9); press height over floor level, mm - (6,070 (5,100); overall dimensions, mm: length - 7,000 (7,900), width - 3,830 (3,830), height - - 7,900 (7,170); weight of press, tons - 66 (66). There is 1 figure.

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NAYGUZ, N.I.; BERUL', G.M.

Hydraulic, metal-stretching, 1,500-ton press. Kuz.-shtem.proizv. 5 no.2:28-30 F '63. (MIRA 16:2)
(Hydraulic presses)

NAYGUZ, N.I.

The LU125/250 casting unit for lining pipe fittings. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. no.12:22-24 '63. (MIRA 17:3)

NAYGUZ, N.I.

Hydraulic press with a 630-ton force for the molding of thermosetting plastics. Plast.massy no.12:28-30 '63. (MIRA 17:2)

ACCESSION NR: AR4036166 S/0282/64/000/003/0057/0057

SOURCE: Ref. Zh. Khimich. i kholod. mashinostr. Otd. vyp., Abs. 3.47.452

AUTHOR: Maygur, N. I.

TITLE: Model TP6008 thermal plastic machine

CITED SOURCE: Byul. techn.-ekon. inform. Gos. kom-t Sov. Min. RSFSR po koordinatsii nauchno-issled. rabot, 1963, 36-38

TOPIC TAGS: plastic, thermal plastic, forming, plastic forming, thermal plastic machine, thermal plastic forming

TRANSLATION: A thermal plastic machine produced by the Odessa press plant is briefly described. The machine is intended for the production of parts up to 500 cm^3 of polystirol, polyethylene, caprone, butvar, acetylcellulose ethrole and other thermal plastic materials with a mastication structure of no more than 300° C. A granular material with grain dimensions 0.008-0.125 cm^3 is used as the initial material. The machine is horizontal of the column type with hydraulic release and attachment of the forms in the vertical plane. The machine operates on automatic and semi-automatic cycles. The operating cycle is begun with a switch. The

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ACCESSION NR: AR4036165

velocity of rotation of the 80 mm screw is continuously regulated within the range 20-100 revolutions/minute. The heating cylinder has four heating zones. Individual hydraulic lines with storage devices provide the necessary displacements of the machine's mechanism. The joining force is 350 tons. The height of the forms is 300-500 mm, the injection force is 61.5 tons, the established power of the electric motor is 40 kilowatts, the number of idle cycles per hour without supplying material is 200. The size of the machine is 7400 x 2175 x 2800 mm. The weight of the machine without hydraulic lines and electrical controls is 10 tons. One illustration. By N. Solov'yev

DATE ACQ: 17Apr64 SUB CODE: MT ENCL: 00

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NAYGUZ, N.I.; BASIN, M.N.

Hydraulic gag presses with a capacity of 300 tons. Kuz.-shtam. proizv. 6 no.1:40-42 Ja 64. (MIRA 17:3)

NAYGUZ, N.I., inzh.

New automatic machinery for manufacturing thermoplastics.
Stroi. mat. 10 no.5:3-4 My '64. (MIRA 17:9)

Work of great importance to the state. Ibid.:1-3

NAYGUZ, N.I.

Model "DA2240" 1000 ton-force hydraulic press for plastics.
Plast. massy no.8:29-30 '65. (MIRA 18:9)

NAYGUZ, N.I.; IL'YASHENKO, G.A.; UDLER, Ye.L.

New automatic TP50CA machines for the manufacture of thermoplastics.
Plast. massy. no.9:49-51 '65. (MIRA 18:9)

AUTHOR: Naykhin, B.Z. 3-58-7-21/36

TITLE: More of Good School Equipment (Bol'she khoroshego uchebnogo oborudovaniya)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 7, pp 65-66 (USSR)

ABSTRACT: Higher schools, institutes and vuzes of the Union are spending huge sums for placards, tables and diagrams necessary for helping students in their studies. The Special Construction Office - SKB developed a new method of printing these placards, tables, etc, by blueprinting and coloring them later according to the requests. It considerably cuts the production costs. There is 1 diagram and 1 photo.

ASSOCIATION: Spetsial'noye konstruktorskoye byuro Ministerstva vysshego obrazovaniya SSSR (The Special Construction Office of the Ministry of Higher Education of the USSR)

Card 1/1

SAVEL'YEV, I.A., kand.med.nauk; MAYEHIN, M.S.

Case of acute dilatation of the stomach. Vest. rent. i rad. 39 no.3:63-65 My-Je '64. (MIRA 18:11)

1. Gospital'naya terapevticheskaya klinika (zav. - dotsent G.F.Korko) lechebnogo fakul'teta Odesskogo meditsinskogo instituta imeni N.I.Pirogova i 2-ya klinicheskaya bol'nitsa Tsentral'nogo rayona Odessy.

BIRYUKOV, P. (Dnepropetrovsk); MAYKIN, V. (Dnepropetrovsk); KAS'YANOV, I. (Dnepropetrovsk)

Deivce for the unloading of containers. Sov. torg. 35 no.5: 57-58 My '62. (MIRA 15:5)

(Loading and unloading)

NAYMAGON, N.L.

Case of rapidly progressing otogenous meningitis in nonperforative acute otitis. Zhur. ush., nos. i gorl. bol. 23 no.4: 80-81 Jl-Ag'63. (MIRA 16:10)

1. Otdeleniye bolezney ukha, gorla i nosa (zav. - zasluzhennyy vrach BSSR B.A.Faynshteyn) 2-y Mozyrskoy oblastnoy bol'nitsy.
(EAR—DISEASES) (MENINGITIS)

SOV/25-59-1-7/51

AUTHOR: Lebedyanskiy, L.S., Chief Designer of the Plant, Nayman, A.M. and Khlebnikov, Yu.V., Engineers of the Plant

TITLE: Gas Turbines in Locomotives (Gazovaya turbina na lokomotive)

PERIODICAL: Nauka i zhizn', 1959, Nr 1, pp 12-13 (USSR)

ABSTRACT: The Kolomna Locomotive Building Plant imeni V.V. Kuybyshev is developing the first Soviet gas turbine locomotive with a capacity of 3,000 hp in one unit in which a single-shaft gas turbine will operate with electric transmission. The author gives a short description of this locomotive. There are 2 photographs.

ASSOCIATION: Kolomenskiy teplovozostroitel'nyy zavod imeni V.V. Kuybysheva (Kolomna Locomotive Building Plant imeni V.V. Kuybyshev)

Card 1/1

S/145/60/000/002/020/020
D221/D302

AUTHORS: Pchelkin, Yu.M., Candidate of Technical Sciences, and Nayman, A.M., Engineer

TITLE: Experimental investigation of a combustion chamber operating on heavy liquid fuel

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Mashinostroyeniye, no. 2, 1960, 208 - 223

TEXT: The Kolomenskiy Steam Locomotive Plant im. Kuybyshev together with the MVTU im. Bauman are producing the first Soviet gas turbine locomotive of 6,000 hp. It should operate on heavy liquid fuel, namely, on fleet crude oil, mark Ф-12 (F-12). A sectional combustion chamber was adopted, containing two centrifugal injection units. Three chambers are provided with starting plugs, but all are connected by pipes to transfer the flame. Initially, diesel oil was used for accumulating practice and for reducing the delivery period, but subsequently, the work was carried out on crude oil. The schematic diagram of test installation is given. The

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Experimental investigation of a ...

chamber is started with diesel oil ignited by plug СЭ-15 (SE-15), and prior to stopping the whole fuel system is filled up with the former, to eliminate the densification of crude oil. Control of the stand is ensured from a desk. Testing of the chamber on diesel oil began in 1956 in order to try out the stand, determining the economy of the chamber, and also to select the variant of frontal arrangement that provides the best results. The coefficient of efficiency of the chamber was calculated on the basis of mean temperature, and supplemented by data of gas analysis. Detailed description is given of different frontal arrangements. Important research was carried out to ensure improved starting characteristics as well as reliability of equipment. Several sparking systems were investigated, such as the high voltage method, proposed by TsNII MPS, and the capacitance system with a plug of surface discharge operating in dc. and ac. Good results were secured with the first and last schemes. Long tests revealed that there was no carbon deposition or warping. After examining individual chambers, the whole block of six was investigated. No large wear was observed, although some clearances were measured. The tests were carried out on crude

S/145/60/000/002/020/020
D221/D302

Experimental investigation of a ...

with sulphur content as per BTY-427-55 (VTU-427-55). Comparative examinations of jet pipe CKГ (SKG) 134/74 on diesel oil and sulphur crude oil were also made. Data indicate a lower coefficient of combustion in all operating conditions when crude oil was used. The remaining characteristics of the chamber did not change. At the present time, final tuning takes place at the Kolomenskiy Factory. Detrimental effect of crude oil and its products of combustion on the elements of the chamber ahd fuel equipment were also investigated, but no damage could be noticed. There is a project to introduce additives to the fuel. There are 11 figures and 4 tables.

ASSOCIATION: MVTU im. Baumana (MVTU im. Bauman) and Kolomenskiy zavod (Kolomenskiy Factory)

SUBMITTED: December 15, 1959

Card 3/3

MACHNEV, B.N., inzh. (Kolomna); NAYMAN, A.M., inzh. (Kolomna); NESTEROV, E.I., inzh. (Kolomna); SHAKHRAY, D.I., inzh. (Kolomna); KHLEBNIKOV, Yu.V., inzh. (Kolomna)

Prospects of the use of gas-turbine locomotives. Znel.-dor.transp. 45 no.12:48-52 D '63. (MIRA 17:2)

KIST'YANTS, L.K.; NAYMAN, A.M.; SERDELEVICH, G.Ye.; LEBEDEV, B.P., doktor tekhn. nauk, prof., retsenzent; VINOGRADOV, N.S., retsenzent; MEYLIKHOV, M.Ye., inzh., red.

[Combustion chambers of gas-turbine locomotive engines] Kamery sgoraniia lokomotivnykh gazoturbinnykh dvigatelei. Moskva, Mashinostroenie, 1965. 147 p. (MIRA 18:8)

6(0) SOV/111-59-8-27/30

AUTHOR: Nayman, Alois, Doctor, Minister of Communications of the Czechoslovak Republic

TITLE: Millions of Words Between Prague and Moscow

PERIODICAL: Vestnik svyazi, 1959, Nr 8, p 31 (USSR)

ABSTRACT: In this article the author reviews the development and progress in telephone, telegraph, postal, radio and TV communications between Czechoslovakia and the Soviet Union. As early as October 1945, negotiations were begun between representatives of the Postal Ministry of the CSR and the Ministry of Communications of the USSR to regulate relations between the two states in the field of communications. A conference of the Ministers of Communications of the two countries in 1959 agreed on the measures for construction of the present system of telephone, telegraph and radio communications between the two states, and later that year an agreement on parcel exchange was signed. In 1955 a delegation of the Ministry of Communications of the USSR, headed by N. D. Psurtsev, Ministry of Communications (who was in Czechoslo-

Card 1/3

Millions of Words Between Prague and Moscow

vakia during the war as a high communications officer), and the following summer (1956) negotiations were continued in Moscow, and agreement reached on exchange of TV programs and on scientific-technical collaboration. In December, 1957 a conference of ministers of communications of all socialist countries was called in Moscow for the purpose of creating an Organizatsiya sotrudnichestva sotsialisticheskikh stran (Cooperative Organization of Socialist Countries) in the fields of electrical and postal communications. The volume of telephone calls between the USSR and CSR has increased 10 times in comparison with 1948, and presently exceeds 600,000 conversation-minutes per year. By 1951 it was possible to reach Czechoslovakia by telephone from any settled area of the USSR, and in 1953 rates were lowered during less busy hours. New telephone communication, and the introduction of a semiautomatic distance dialing system between Prague and Moscow radically improved communications between the capitals. The volume of telegraphic correspondence is twice as great as in 1948, and the

Millions of Words Between Prague and Moscow

number of words transmitted by telegraph exceeds 3 million per year. Since 1957 a subscribers telegraph has been in operation between the two countries, and regular phototelegraph communications has been organized. The USSR is an intermediary for telegraphic communication between the ČSR and the Asian countries. There has also been an increase in the exchange of radio programs between the USSR and ČSR. The author also mentions the development of postal communications, particularly as regards air mail. Air mail volume has increased 10 times since 1948; parcel exchange has grown 15 times in the same period. In conclusion the author stresses the importance of cooperation in the form of exchanges of documents, special literature, visits, and specialists. The USSR, he says, has offered valuable aid to the ČSR in solving problems in the fields of television, and the construction of radio-relay lines and modern powerful cable systems.

Card 3/3

MEL'KUMOV, Lev Georgiyevich; BOGOPOL'SKIY, Beko Khaimovich; BERLOVSKIY, Vyacheslav Mikhaylovich; KOVALEV, Yuriy Sergeyevich; KOZIN, Yuriy Vladimirovich; NAYMAN, Artur Yefimovich; FEL'DMAN, Yelizar Samoylovich; SHUVAYEV, Anatoliy Andreyevich [deceased]; KORENDYAYEV, G.V., otv. red.; BELOV, V.S., red. izd-va; LOMILINA, L.N., tekhn. red.; IL'INSKAYA, G.M., tekhn. red.

[Automatic control of mine compressor stations] Avtomatizatsiia shakhtnykh kompressornykh stantsii. Moskva, Gosgortekhizdat, 1963. 151 p. (MIRA 16:8)
(Automatic control) (Air compressors)

KOZINETS, P.V.; KARTASHOV, I.N.; KAGANOVSKIY, A.I.; GESYUK, Z.M.; SASIN, I.F.; NAYMAN, G.M., inzh., retsenzent; LIPCHUK, A.M., kand. tekhn.nauk, red.; GALANOVA, M.S., red. izd-va; EL'KIND, V.D., tekhn. red.

[Technology of diesel locomotive construction]Tekhnologiia teplovozostroeniia. [By] P.V.Kozinets i dr. Moskva, Mashgiz, 375 p. (MIRA15:10)
(Diesel locomotives—Design and construction)

NAYMAN, I.M.; KLEYBS, B.D.

Experience in the prevention of eye injuries in the metalworking industry. Vest.oft. 69 no.5:26-32 S-O '56. (MLRA 9:12)

1. Iz Moskovskogo instituta okhrany truda Vsesoyuznogo TSentral'nogo Soveta professional'nykh soyuzov i Nauchno-issledovatel'skogo instituta glaznykh bolezney imeni Gel'mgol'tsa (dir. - kandidat meditsinskikh nauk A.V.Roslavtsev)

(EYE, wounds and injuries
prev. in metal-working indust.)
(INDUSTRIAL HYGIENE
prev. of eye inj. in metal-working indust.)

NAYMAN, I.M.

New type of acidproof and alkaliproof mittens. Khim.prom.
no.5:309 Jl-Ag '57. (MIRA 10:12)
(Gloves)

MAYMAN, Isaak Markovich; POLONSKIY, Zinoviy Borisovich; KHABAROV, Petr Gavrilovich; KUZNETSOVA, N.I., red.; SHADRINA, N.D., tekhn.red.

[Means of individual protection in industry] Sredstva individual'noi zashchity na proizvodstve. Izd.2., ispr. i dop. Izd-vo VTsSPS Profizdat, 1958. 273 p. (MIRA 12:6)
(Industrial safety)

НАУМАН, I. М.

Individual safety measures for electric welders and gas welders. Okhr.truda i sots.strakh. no.2:61-64 Fe '59. (MIRA 12:4)

1. Zaveduyushchiy laboratoriyey individual'noy zashchity Moskovskogo instituta okhrany truda Vsesoyuznogo TSentral'nogo soveta professional'nykh soyuzov.
(Welding—Safety measures)

25(5)

AUTHORS: Gayevaya, L. A., Nayman, I. M. SOV/64-59-4-22/27

TITLE: Eye- and Face Protection in the Production of Calcium Carbide, Corundum, and When Working With Aggressive Substances (Zashchita glaz i litsa v proizvodstve karbida kal'tsiya, korunda i pri rabote s agressivnymi veshchestvami)

PERIODICAL: Khimicheskaya promyshlennost', 1959, Nr 4, pp 79-80 (USSR)

ABSTRACT: In the Chernorechenskiy khimicheskiy zavod imeni M. I. Kalinina (Chernorechenskiy Chemical Works imeni M. I. Kalinin), and Yerevanskiy karbidniy zavod (Yerevan Carbide Works) the heat radiation of carbide furnaces at the moment of pouring-out the end product exceeds considerably the standard. It is therefore absolutely necessary to introduce a corresponding working protection. Some new, respectively modified protection devices (for face and eyes) for the workers of the carbide and corundum production, and in the production of red phosphorus are described. First a face-protection (Fig 1) consisting of a steel grid screen and a radiative protection is described. The latter one consists of protective glass of the type SO-32, with either blue cobalt glass of the type P-500, or a glass with a

Card 1/2

Eye- and Face Protection in the Production of Calcium Carbide, Corundum, and When Working With Aggressive Substances

SOV/64-59-4-22/27

reflecting aluminum layer. For the protection against the high temperature occurring in the corundum production, a face protection made of transparent safety glass (methylmethacrylate) (Fig 2) is recommended, which is in an aluminum frame to prevent deformation. As skull guard against aggressive substances two protective devices (Figs 3, 4) are provided, which consist of a helmet (plastics, "viniplast") with a safety glass- or metal grid face protection. A tissue protection (made of "moleskin"- VTU 1392-56 Glaviskozh) for ears and neck is attached to the helmet. There are 4 figures and 1 Soviet reference.

ASSOCIATION: Moskovskiy institut okhrany truda VTsSPS (Moscow Institute for Working Protection VTsSPS)

Card 2/2

NAYMAN, I., kand.tekhn.nauk

Preventive means exist; why are they lacking at the plants?
Okhr.truda i sots.strakh. 3 no.2:33-34 F '60.
(MIRA 13:6)

(Hygiene) (Cleaning compounds)

NAYMAN, I.M.; ROSLOVTSEV, A.V. (Moskva)

Government standards for means of individual protection for the eyes. Gig. truda i prof. zab. 4 no.5:54-56 My '60. (MIRA 13:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut okhrany truda i Gosudarstvennyy nauchno-issledovatel'skiy institut glaznykh bolezney imeni Gel'mgol'tsa.
(EYE--PROTECTION) (INDUSTRIAL HYGIENE)

NAYMAN, Isaak Markovich, kand. khim. nauk; DENISOVA, I.S., red.; SHIKIN, S.T., tekhn. red.

[Protection of the eyes in industry] Zashchita glaz na proizvodstve. Izd.2., perer. i dop. Moskva, Izd-vo VTsSPS Profizdat, 1961. 286 p. (MIRA 14:11)

(EYE—PROTECTION)

S/058/63/000/001/067/120
A160/A101

AUTHORS: Ryabov, V. A., Nayman, I. M., Borisova, I. I., Grinevetskaya, S. N., Viktorova, Yu. N., Gayevaya, L. A.

TITLE: New light filters for the protection of the eyes during production

PERIODICAL: Referativnyy zhurnal, Fizika, no. 1, 1963, 83, abstract 1D602 ("Steklo. Byul. Gos. n.-i. in-ta stekla", no. 1 (110), 1961, 72 - 81)

TEXT: A description is given of the technological process of producing neutral and selective light filters designed mainly for controlling metallurgical processes. The light filters are made by applying oxide films from metal salts of the 4, 5 and 6th period of the periodic system of elements by the aerosols method. Presented are the characteristics of the light filters with oxide layers from cobalt, iron, lead + antimony and lead + antimony + iron.

Yu. Kutcv

[Abstracter's note: Complete translation]

Card 1/1

NAYMAN, I.M., kand.khimicheskikh nauk; LIOKUMOVICH, Kh.Kh., kand.tekhn.nauk

Work boots for workers in iron and steel casting shops.
Mashinostroitel' no.4:35 Ap '62. (MIRA 15:5)
(Boots and shoes)

ZNAMENSKIY, I., inzh.; NAYMAN, I.; KULIKOV, V., master tsekha (g.Kuybyshev)

Technical information. Okhr.truda i sots. strakh. 5 no.2:29-31 F '62. (MIRA 15:2)

1. Zaveduyushchiy laboratoriyey sredstv individual'noy zashchity TSentral'nogo nauchno-issledovatel'skogo instituta okhrany truda Vsesoyuznogo tsentral'nogo soveta professional'nykh soyuzov (for Nayman).

(Technological innovations)

NAYMAN, I., kand.khimicheskikh nauk

Correct use of protective clothing out of material with acid resistant impregnation. Okhr. truda i sots. strakh. 5 no.6:38 Je '62. (MIRA 15:7)

1. Zaveduyushchiy laboratoriyey Vsesoyuznogo nauchno-issledovatel'skogo institute okhrany truda Vsesoyuznogo tsentral'nogo soveta professional'nykh soyuzov.
(Clothing, Protective)

NAYMAN, I.M.

Special clothes for protection against acids, alkalies, and other corrosive substances. Khim.prom. no.9:686-688 S '62. (MIRA 15:11)

(Clothing, Protective)

NAYMAN, I.M.; BRAYNINA, M.L., starshiy inzh.

Characteristics of fabrics for acid-proof protective clothing.
Tekst.prom. 22 no.1:21-24 Ja '62. (MIRA 15:2)

1. Zaveduyushchiy laboratoriyey sredstv individual'noy zashchity Vsesoyuznogo nauchno-issledovatel'skogo instituta okhrany truda Vsesoyuznogo tsentral'nogo soveta professional'nykh soyuzov (for Nayman). 2. Laboratoriya sredstv individual'noy zashchity Vsesoyuznogo nauchno-issledovatel'skogo instituta okhrany truda Vsesoyuznogo tsentral'nogo soveta professional'nykh soyuzov (for Braynina).
(Clothing, Protective) (Acid resistant materials)

KOBYLYANSKIY, D., kand. tekhn. nauk; BONDIN, Yu.; MAYMAN, I.; RAYKHMAN, S.

Technological information. Okhr. truda i sots. strakh. 6 no.3:33-37 Mr '63. (MIRA 16:4)

(Industrial safety) (Work clothes)

NAYMAN, K.; PIRAYEVA, L.

Norms for losses of bones through drying need to be reviewed. (MIRA 11:5)
Mias. ind. SSSR 29 no.2:32 '58.

1.Tbilisskiy myasokombinat.
(Bone products)

GUGLIN, E.R.; NAYMAN, L.I. (Volgograd)

Changes in the leucocyte count in the blood of healthy people. Probl. gemat. i perel. krovi 8 no.7:29-32 Jl '63. (MIRA 17:10)

KIST'YANTS, L.K., kand.tekhn.nauk; NAYMAN, L.M., inzh.

Cooling of the fire tube of a cojnter-flow combustion chamber. (MIRA 15:12)
Trudy TSNII MPS no.241:119-132 '62.
(Gas turbines)

NAYMAN, L.M., inzh.; SERDELEVICH, G.Ye., inzh.

Problem concerning the warping of the fire tubes of the combustion chambers of gas turbine engines. Trudy TSNII MPS no.241:141-153 '62. (MIRA 15:12)

(Gas turbines)

HAYMAN, L. V.; ZYKOV, S. A.

On the classification and differentiated training of children with hearing disorders. Vest. otorinolar., Moskva 13 no.4:16-21 July-Aug 1951. (CIML 21:1)

1. Candidate Medical Sciences L. F. Heyman and Candidate Pedagogical Sciences S. A. Zykov.

AGEYEVA-MAYKOVA, O. G., VOYACHEK, V. I., YEMGLAYEV, V. G., KULIKOVSKIY, G.G., LEVASHEV, NAYMAN, L. V., RASPOPOV, A. P., SUPRUNOV, V. K.

PREOBAZHENSKIY, BORIS SERGEYEVICH, 1892-

Boris Sergeyevich Preobrazhenskiy. 60th birthday, Vest. oto-rin., 14, No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, _____1953. Unclassified.

TURCHANSKIY, M.L.; NAYMAN, I.A.

Analysis of aluminum-magnesium alloys using arsenotometry.
Zav. lab. 30 no.6:673-674 '64 (MIRA 17:8)

1. Odesskiy gosudarstvennyy pedagogicheskiy institut imeni Ushinskogo.

BABAYAN, A.T.; INDZHIKYAN, M.G.; NAYMAN, M.B.

Equivalence of nitrogen bonds in tetramethylammonium bromide.
Izv. AN SSSR. Otd.khim.nauk no.1:174 Ja '59. (MIRA 12:4)

1. Institut khimicheskoy fiziki AN SSSR i Institut organicheskoy khimii AN Armyan. SSR.
(Ammonium compounds) (Chemical bonds)

NAYMAN, M.I., prof., doktor tekhn.nauk

Torsion of circular cylinders having coaxial many-sided hollows. (MIRA 12:2)
Raschety na prochn. no.3:170-193 '58.
(Cylinders) (Torsion)

NAYMAN, M. I.

14(10); 18(7) PHASE I BOOK EXPLOITATION SOV/3189

Raschety na prochnost'; teoreticheskiye i eksperimental'nyye issledovaniya prochnosti mashinostroitel'nykh konstruktsiy: sbornik statey Vyp. 4 (Strength Calculations: Theoretical and Experimental Studies of the Strength of Machine Structural Elements: Collection of Articles, No. 4) Moscow, Mashgiz, 1959. 393 p. Errata slip inserted. 3,600 copies printed.

Editorial Commission: Ye. S. Tikhomirov (Chairman) Honored Worker in Science and Technology of the RSFSR, Professor, S. V. Serensen, Corresponding Member, Ukrainian SSR Academy of Sciences, Doctor of Technical Sciences, Professor, G. S. Glushkov, Doctor of Technical Sciences, Professor, S.D. Ponomarev, Doctor of Technical Sciences, Professor, S. N. Sokolov, Doctor of Technical Sciences, Professor, N. D. Tarabasov, Doctor of Technical Sciences, Professor V. M. Makushkin (Secretary) Candidate of Technical Sciences, Docent· Ed.: N. D. Tarabasov, Doctor of Technical Sciences, Managing Ed. for Literature on General Technical and Transport Machine Building: V. I. Kubarev, Engineer: Ed. of Publishing House: R. M. Korablova, and A. G. Nikitin: Tech. Eds.: Z. I Chernova, and V. D. El'kind.

PURPOSE: This book is intended for engineers and designers in machine building as well as for engineers of other specialties working on stress analysis. It may be used as a text by students in the field.

COVERAGE: This book contains original stress analysis calculations made on machinery elements and parts. Analyses are made of coiled springs with an arbitrary helix angle, bending of turbine discs, strain state of flat pistons, and a circular cylinder. A number of original applications of general methods of the theory of elasticity to the study of lateral bending and torsion of rods is given. In the calculations on stability, new methods of determining critical forces for compressed rods and analyzing the stability of circular and ring-shaped plates are applied. Calculations for dynamic loadings are represented by a study of the analysis of variations of the indicators of devices during vibration. References accompany individual articles.

PART I. STRESS AND RIGIDITY ANALYSIS OF PARTS

4

NAYMAN, N.F.; SORKINA-FINKEL', L.I.

From the pages of foreign biological and agricultural publications. Agrobiologiia no.1:158-159 Ja-F '64
(MIRA 17:8)

ГЛАЗМАН, И. М.

USSR/ Mathematics - Spectral functions

Card 1/1 Pub. 22 - 6/62

Authors : Glazman, I. M., and Nayman, P. B.

Title : On the convex cover of orthogonal spectral functions

Periodical : Dok. AN SSSR 102/3, 445 - 448, May 21, 1955

Abstract : Some problems are discussed connected with the construction of a set of all spectral functions of a differential system:

$$-y''+q(x)y-\lambda y=0, \quad y'(0)=hy(0) \quad (0\leqslant x<\infty)$$

which is considered as a convex set of functions. Definitions of a spectral, and an orthogonal spectral function are given. Seven references: 6 USSR and 1 Swiss (1940-1954).

Institution : V. I. Lenin Polytechnical Institute, Kharkov, and The Aviation Institute, Kharkov.

Presented by: Academician S. L. Sobolev, January 27, 1955

16(1)
AUTHOR: Nayman, P.B.

SOV/140-59-1-12/25

TITLE: On the Set of Isolated Points of Increase of the Spectral Function of a Jacobian Matrix Being Constant With Respect to the Limit Value (O mnozhestve izolirovannykh tochek rosta spektral'noy funktsii predel'no-postoyannoy yakobiyevoy matritsy)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1959, Nr 1, pp 129-135 (USSR)

ABSTRACT: The infinite symmetric Jacobian matrix

(1) $\|a_{j,k}\|_{j,k}^{\infty} = 1$

with real elements $a_{k,k} = -\beta_{k-1}$, $a_{k,k+1} = \alpha_k > C$, $a_{j,k} = 0$ ($|j-k| > 1$) is called constant with respect to the limit value if $\lim \alpha_n = \alpha > 0$, $\lim \beta_n = \beta$. Let $\sigma(x)$ be the spectral function of the matrix (1) being constant with respect to the limit value; let M be the set of points of increase of $\sigma(x)$ lying at the left hand of $x = -\beta - 2\alpha$ and $\omega_n = \frac{\beta_n + \alpha_n + \alpha_{n+1} - \beta - 2\alpha}{\alpha}$.

Theorem: If there exists an N so that for all $n > N$ it holds

Card 1/2

On the Set of Isolated Points of Increase of the Spectral Function of a Jacobian Matrix Being Constant With respect to the Limit Value SOV/140-59-1-12/25

$\alpha\omega_n \leqslant \frac{\alpha_n}{2n}\left(1-\frac{1}{4n}\right) - \frac{\alpha_{n+1}}{2(n+1)}\left(1+\frac{1}{4(n+1)}\right)$, then M is finite.

Theorem: If to a $\delta>0$ there exists a number N so that for all $n>N$ it holds $\alpha\omega_n > \frac{\alpha_n}{2n}\left(1-\frac{1-\delta}{4n}\right) - \frac{\alpha_{n+1}}{2(n+1)}\left(1+\frac{1}{4(n+1)}\right)$, then M is infinite. Theorem: For an $s>0$, for large n let there hold the inequation $\frac{\alpha-\alpha_n}{\alpha} = \frac{C}{n^s} + O\left(\frac{1}{n^{s+1}}\right)$. If $\limsup_{n\to\infty} n^2\omega_n < \frac{1}{4}$, then M is finite. If $\liminf_{n\to\infty} n^2\omega_n > \frac{1}{4}$, then M is infinite.

There are 5 Soviet references.

ASSOCIATION: Khar'kovskiy aviatsionnyy institut (Khar'kov Aviation Institute)

SUBMITTED: March 24, 1958

Card 2/2

35721
S/020/62/143/002/003/022
B112/B109

16.1500

AUTHOR: Nayman, P. B.

TITLE: Theory of periodic and almost-periodic Jacobi matrices

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 143, no. 2, 1962, 277-279

TEXT: An infinite matrix $A = \|a_{jk}\|$ the elements of which fulfill the conditions $a_{jk} = 0$ for $|j - k| > m$, $a_{jk} \neq 0$ for $|j - k| = m$ is called a generalized Jacobi matrix of the order 2m. It is shown that the spectral theory of the n-periodic Jacobi matrices T can be reduced to the spectral theory of the matrices $E_n = \|e_{jk}\|$ with $e_{jk} = 0$ for $|j - k| \neq n$ and $e_{jk} = 1$ for $|j - k| = n$. The spectral theory of the almost-periodic Jacobi matrices T + K is developed in a similar manner. There are 4 Soviet references.

PRESENTED: November 2, 1961, by S. N. Bernshteyn, Academician

SUBMITTED: October 21, 1961

Card 1/1

NAYMAN, Ya.M., inzh.

assembling a precast reinforced dome. Mont. i spets. rab. v. stroi. 22 no.12:19-21 D '60. (MIRA 13:11)

1. Stroitel'no-montazhnyy uchastok No.21 Minstroya USSR. (Domes)

BRUK, V.V., inzh.; NAYMAN, Ya.M., inzh.

Erection of a television tower 353 m. high. Mont. i spets. rab. v stroi. 25 no.5:9-12 My '63. (MIRA 16:7)

1. Kiyevskoye spetsializirovannoye upravleniye No.21 tresta TSentrostal'konstruktsiya.
(Vinnitsa---Television---Transmitters and transmission)

IECHNEV, S.F., inzh.; MAYMAN, Ya.K.

Practices in building a plant to manufacture the "anid" fiber.
Prom. stroi. 42 no. 6:46-47 '65. (MIRA 18:12)

HAYMAN, Z.B.

Vertical electric motors for powerful pumps. Elektrichestvo no.10:55-62 O '54. (MLRA 7:9)

1. Zavod "Uralelektroapparat"
(Electric motors) (Pumping machinery)

SUTIN, I.A., BENDERSKAYA, Ye.A. POLYAKOVA, I.L., NAYMAN, Z.I., EPSHTEYN, P.V. FOGEL'SON, T.A.

Epidemiology of diphtheria of nutritional origin. Zhur.mikrobiol. epid. i immun. 29 no.9:55-58 S'58 (MIRA 11:10)

1. Iz Stalingradskogo instituta epidemiologii, mikrobiologii i gigiyeny.

(DIPHTHERIAE, transm.
by ice cream (Rus))
(FOOD,
ice cream transm. of diphtheria (Rus))

NAYMAN, Z.I.

Serological types of diphtheria cultures isolated in Stalingrad; author's abstract. Zhur. mikrobiol. epid. i immun. 31 no. 10:96 O '60. (MIRA 13:12)

1. Iz Stalingradskogo instituta epidemiologii, mikrobiologii i gigiyeny.

(STALINGRAD—DIPHTHERIA)

NAYMANOV, I.L. (Docent, Buryat Agricultural Institute).

"Reactivity of sheep during brucellosis in relation to their age..."
Veterinariya, vol. 39, no. 3, March 1962 pp. 48

AVERBAKH, Yu.A., inzh.; NAYMANOV, O.S., inzh.

Choice of the type of a reversible control diaphragm for central heating take-off. Elek. stat. 35 no.1:16-18 Ja '64.
(MIRA 17:6)

NESTEROV, V.N.; TSEFT, A.L.; ISAKOVA, R.A.; NAYMANOV, S.

Recovery of bismuth from concentrates by sublimation in vacuum. Trudy Inst. met. i obog. AN Kazakh. SSR 5:77-81 '62. (MIRA 15:11)

(Bismuth--Metallurgy) (Vacuum metallurgy)

TSEFT, A.L.; DADABAYEV, A.Yu.; NAYMANOV, S.

Processing Balkhash copper concentrates. Trudy Inst. met. i obog. AN Kazakh. SSR 6:55-63 '63. (MIRA 16:10)

NAYMARK, A.A.

History of the Quaternary glaciation in the northern area west of the Sea of Okhotsk. Izv.vys.ucheb.zav.; geol.i razv. 5 no.9:16-24 S '62. (MIRA 16:1)
(Okhotsk Sea region--Glacial epoch)

NAYMARK, A.A., SPASSKAYA, I.I.

Basic characteristics of the geomorphology and Quaternary geology of the western part of the Chukchi Peninsula. Izv. vys. ucheb. zav.; geol. i razv. 7 no.7:42-49 Jl '64 (MIRA 18:2)

1. Moskovskiy gosudarstvennyy universitet.

ACC NR: AP7006023 SOURCE CODE: UR/0020/66/170/004/0912/0915

AUTHOR: Naymark, A. A.

ORG: none

TITLE: Map of the neotectonics of the northeastern USSR

SOURCE: AN SSSR. Doklady, v. 170, no. 4, 1966, 912-915

TOPIC TAGS: tectonics, physical geology

ABSTRACT: The author has compiled a map of the total amplitudes of neotectonic movements for the extreme northeastern part of the USSR. Analysis of the map shows that this area can be divided into a number of distinctive zones: A zone of recent subsidence. A zone of extremely low contrast of neotectonic movements. A zone of relatively contrasting neotectonic movements. There are some characteristics of neotectonics common for the entire area, such as relatively small values of uplifts, only in a few places exceeding 1,000-1,200 m. There also is an almost total absence of absolute depressions. Only in the Anadyr region does the depth of the most recent downwarping attain -300 m. In the remaining area this value does not exceed 0- -100 m. There is a clearly expressed relatively small value of the gradients of recent deformations (from 5-20 to 40-60 m/km), which made it possible to draw isolines only at intervals of

Card 1/2 UDC: 551.24(571.651+571.661)

0927080

ACC NR: AP7006023

200 m. There also is a very small number of large recent faults with amplitudes of two (or more) hundred meters. As a comparison it is noted that in the Caucasus and in the Tien Shan the values of the recent uplifts are 5,000-6,000 m, the downwarpings are 3,000-4,000 m and the gradients are 50-200 m/km. This paper was presented by Academician I. P. Gerasimov on 17 June 1966. Orig. art. has: 1 figure. [JPRS: 38,937]

SUB CODE: 08 / SUBM DATE: 16Jun66 / ORIG REF: 004

Card 2/2

NAYMARK, A.M., inzhener.

Precision casting of centrifugal pump impellers. Lit.proizv. no.12:6-7 D '56. (MLRA 10:3)
(Precision casting) (Impellers)

NAYMARK, A.M.

Using "Era" equipment for the issue of information materials; practice of the electrographic laboratory of the Central Institute of Scientific and Technical Information of the Electric Instrument Industry. NTI no.1:40-42 '63. (MIRA 16:8)

NAYMARK, A.M.

Using electrographic reproduction devices in information work. (MIRA 17:9)
NTI no.3:47-51 '64.

BALK, M.B. (Smolensk); DUBNOV, Ya. S. (Moscow); PYATETSKIY-SHAPIRO, I.I. (Kaluga); VILENKIN, N. Ya. (Moscow); BALASH, E.E. (Moscow); LEVIN, V.I. (Moscow); DMITRIYEV, N.A. (Moscow); DYNKIN, Ye. B. (Moscow); NAYMARK, B.A. (Moscow); GEL'FAND, I.M. (Moscow)

Problems of higher mathematics. Mat. pros.no.2:270-274 '57. (MIRA 11:7)

(Mathematics--Problems, exercises, etc.)

NAYMARK, B.A.; NIKOLICH, A.S.; SHVYKOVA, L.S.

Economic efficiency in the increase of the lifetime of the piston of a drill pump. Mash. i neft. obor. no.2:24-27 '65. (MIRA 18:5)

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Let the system

$$L(u) = (-1)^m \sum_{i,j} \frac{\partial^m}{\partial x_{i_1} \dots \partial x_{i_m}} \left(B^{(i_1 \dots i_m, j_1 \dots j_m)}(x) \frac{\partial^m u}{\partial x_{j_1} \dots \partial x_{j_m}}\right) +$$

$$+\mu \sum_{i,j} \frac{\partial^m}{\partial x_{i_1} \dots \partial x_{i_m}} \left(K^{(i_1 \dots i_m, j_1 \dots j_m)}(x) \frac{\partial^m u}{\partial x_{j_1} \dots \partial x_{j_m}}\right) + T(x)u = f \qquad (1)$$

be strongly elliptic, where B,K are m-fold continuously differentiable complex matrices of N-th order and T(x) is a differential expression of the order $< 2m$ (B - Hermitean, K skewsymmetric etc.). It is shown that for sufficiently small μ the system of eigenfunctions and adjoint functions of the Dirichlet problem is complete for (1).

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(Elasticity)