

ALTUNINA, Z.Ye., inzh.

Longitudinal compensation following breakdown in a.c. power transmission
lines. Izv. vys. ucheb. zav.; energ. 7 no.8:103-106 Ag '64.
(MIRA 17:12)

1. Tashkentskiy politekhnicheskiy institut.

ALTUNKOV, P.

Determination of surgical approach and rational surgical approach.
Khirurgia, Sofia 8 no.1:34-40 1955.

1. Vissh meditsinski institut V. Chervenkov - Sofia. Katedra po
operativna khirurgia s topografiska anatomia Vr. direktor: prof.
G. Kapitanov. Instituta za spetsializatsia i usuvurshenstvuvane
na lekarite khirurgichna klinika Direktor: prof. K. Stoianov.

ALTUNKOV, P.

Case of acute duodenal obstruction. Khirurgiia, Sofia 8 no.7:
635-639 1955.

1. Viseh meditsinski institut V.Chervenkov, Sofia katedra po
operativna khirurgiia s topografaska anatomia Vr. direktor:
prof. G.Kapitanov.

(INTESTINAL OBSTRUCTION,
duodenal, case report)

ALTUNKOV, P.

65th anniversary of death of Zakhari Stoianov. Khirurgia,
Sofia 9 no.2:161-163 1956.

(BIOGRAPHIES,
Stoianov, Zakhari. (Bul))

KAPITANOV, G., Prof.; ALTUNKOV, P.; KARABASHEV, B.

Comparative evaluation of some surgical approaches to the pericardium.
Khirurgiya, Sofia 10 no.8:691-701 1957.

1. Vissih Meditsinski Institut; Sofia Katedra po Khirurgichna Propedevtika.
Zav. Katedrata: prof. G. Kapitanov Katedra po operativna Khirurgiya
s Topografska anatomii Zav. katedrata: dots. R. Rainov.
(PERICARDIUM, surg.
approaches, comparative evaluation)

ALTUNKOV, P.

Comparative studies on surgical approach to the left lobe of the liver.
Khirurgiya, Sofia 11 no.9:805-814 1958.

1. Visssh meditsinski institut--Sofia katedra po operativna khirurgiya
s topografska anatomia zav. katedrata: dots. R. Ralnov.
(LIVER, surgery
approach to left lobe (Bul))

ALTUNKOV, P.

On collateral arterial anastomoses of the recto-sigmoid portion of the large intestine. Nauch. tr. vissh. med. inst. Sofia 9 no.4:207-219 '59.

1. Predstaveno ot dots. R. Rainov, zav. Katedrata po operativna khirurgiia i topografska anatomia.

(INTESTINE LARGE surg)

ALTUNKOV, P.

Universal extension splint for the lower extremity. Nauch. tr. vissh. med. inst. Sofia 9 no.4:221-227 '59.

1. Predstavena ot dots. R. Rainov, zav. Katedrata po operativna khirurgiia i topografska anatomiia.

(SPLINTS)

ALTUNKOV, P.

Transfusion of blood, blood derivatives and other solutions into the spongioid layer of bone. Suvrem med., Sofia no.9:56-62 '60.

1. From the Chair of Operative Surgery and Topographical Anatomy at the Superior Medical Institute in Sofia (Chairman: Ass. Prof. R.Rainov)

(BLOOD TRANSFUSION)
(INFUSIONS PARENTERAL)

ALTUNKOV, P.

On zonal and segmental pulmonary structure. Khirurgia, Sofia 13 no.5:
460-470 '60.

1. Vissh meditsinski institut, Sofia. Katedra po operativna
khirurgia s topografska anatomia. Zav. katedrata: dots. R.Rainov.
(LUNGS anat & histol.)

ALTUNKOV, P.

A new type of non-traumatic surgical needle. Khirurgia, Sofia
13 no.11:1001-1002 '60.
(SUTURES)

ALTUNKOV, P.

Anatomical characteristics in pulmonary surgery. Khirurgiia, Sofia
14 no.2/3:163-164 '61.

1. Katedra po operativna khirurgiia s topografska anatomia pri
Visshia meditsinski institut, Sofia.

(PNEUMONECTOMY)

ALTUNKOV, P.

Nature of blood supply to the recto-sigmoid portion of the large intestine and its practical significance. Khirurgiia, Sofia 14 no.2/3:368-370 '61.

1. Katedra po operativna khirurgiia s topografaska anatomia, Vissh meditsinski institut, Sofia.

(INTESTINE LARGE blood supply)

ALTUNKOV, P., IANKOV, Iv.

Comparative studies on surgical approaches to the 3d thoracic sympathetic ganglion. Khirurgia, Sofia 14 no.8:703-710 '61.

1. Visssh meditsinski institut, Sofia. Katedra po operativna khirurgia i topografiska anatomia. Zav. katedrata: prof. R. Rainov.

(GANGLIA AUTONOMIC surg)

ALTUNKOV, P., dots.

A rare case of tuberculous lymphadenitis of the parotid gland.
Khirurgiia (Sofia) 17 no.1:107-109 '64

1. Iz katedrata po operativna khirurgiia i topografiska anatomia pri VMI, Sofia.

*

ALTUNKOV, P.; PETKOV, P.

On the surgical treatment of chronic hepatitis. (Preliminary report). Khirurgiia (Sofia) 18 no.4:448-451 '65

1. Katedra po propedevtika na khirurgichnite bolesti, Vissh meditsinski institut, Varna (rukovoditel - dotsent P. Altunkov).

ALTUNKOV, P.

On neuro-vascular compression syndrome of upper extremities.
Khirurgiia (Sofiiia) 18 no.5:532-543 '65.

1. Vissh meditsinski institut, Varna, Katedra po propedevtichna
khirurgiia (rukovoditel - dotsent P. Altunkov).

RAPONSKI, B.; ATANASOVA, R.kh.; ALTUNKOVA, M.; SEDIARSKI, D.

Difficulties in the differential diagnosis of acute surgical abdomen in children. Khirurgia, Sofia 13 no.7/8:638-648 '60.

1. Institut za burza meditsinska pomosht "N.I.Pirogov," Sofia.
Gl.lekar: Khr. Zdravkov.
(ABDOMEN ACUTE in inf & child)

ANCHEV, N., dotsent; ZDRAVKOV, Khr.; ALTUNKOVA, M.

Thoraco-abdominal traumatic injuries. Khirurgiia 15 no.9/10:
834-839 '62.

1. Iz Visshia voennomeditsinski institut i IEMP [Institut za
burza meditsinska pomosht] "N.I. Pirogov".
(THORACIC INJURIES) (ABDOMINAL INJURIES)

ALTUNKOVA, M.; MILANOV, N.

Research on acute appendicitis in old age in the Varnenski district. Khirurgia 17 no.2:201-202 '64.

1. Iz Katedrata po propedevtichna i fakultetska khirurgia pri VMI [Vissh meditsinski institut] - Varna.

PHASE I BOOK EXPLOITATION 783

Klyachkin, A.L., and Altunov, I.P.

Letadlové reaktivní motory (Jet Aircraft Engines) 2d ed. Prague, Naše vojsko, 1955. 242 p. (Series: Knižnice letecké techniky, 3).
Translation of: Aviatsionnyye reaktivnyye dvigateli. Moscow, 1948.
Number of copies printed not given.

Translator: Kubiček, Josef, Lieutenant Colonel; Chief Ed. of Publishing House: Chrtek, Břetislav, Major; Managing Ed.: Kašpar, Zdeněk, Major; Ed. of Series, and this issue: Zelený, Karel; Technical Translator: Horák, Ota, Doctor, Engineer, Lieutenant Colonel; Tech. Ed.: Torn, Miloslav.

PURPOSE: This translation from the Russian is intended for technical personnel of the Czechoslovak Armed Forces.

COVERAGE: The book summarizes all the available knowledge (as of 1948) on rocket and jet engines and their construction and explains the fundamentals of the thermal processes involved. The book consists

Card 1/8

Jet Aircraft Engines

783

of three sections. In the first section the authors survey the field of reaction engines in its entirety, including history, principles of operation, classification of jets, and the rudiments of the thermodynamics of fluids. The problem of attaining subsonic and supersonic velocities is discussed at some length. The second section deals directly with the construction of rocket engines, compressorless engines and motor-driven compressor engines. The third part deals with turbojets, their thermal processes, and the role of individual components, and a comparative study is given of turbojet and piston engines. No personalities are mentioned. All practical examples are based on non-Soviet engines. No personalities are mentioned. There are 147 figures and 3 tables. There are no references.

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AVAILABLE: Library of Congress

IS/whl
12-1-58

Card 8/8

ALTUNOV, K.; RUSEV, K.

Cultural life in the village of Sukhindol. p.37.
(Kooperativno Zemedelie Vol. 10, no. 8, Aug. 1955, Sofiya)

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

ALTUNOV, K.

Case of spontaneous perirenal hemorrhage. Khirurgiia, Sofia
10 no.2:163-165 1957.

1. (Iz khirurgichnogo otdeleniia pri Okruzhnata bolnitsa -
Khaskovo).

(KIDNEYS, hemorrhage,
perirenal spontaneous (Bul))

ALTUNOV, K.

A foreign body (compress) in the lumen of the small intestines.
Khirurgiia, Sofia 13 no.7/8:710-711 '60.

1. Iz Instituta za burza meditsinska pomosht "N.I.Pirogov"
(INTESTINE SMALL for.bodies)

ALTUNYAN, N.M.

Experience in obtaining aminokrovin and its clinical use.
Zhur. eksp. i klin. med. 3 no. 5:51-54 '63. (MIRA 17:2)

1. Institut gematologii i perelivaniya krovi Ministerstva
zdravookhraneniya ArmSSR.

ZOLOTOVA-KOSTOMAROVA, M.I., prof.; ALTUNYAYN, M.P.

Renal blood circulation and the filtration-reabsorption capacity
of the kidneys in patients with chronic coronary insufficiency.
Terap.arkh. 31 no.4:38-45 Ap '59. (MIRA 14:5)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. M.I.Zolótova-
Kostomárova) pediatricheskogo fakul'teta II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.
(KIDNEYS) (CORONARY HEART DISEASE)

ALTUPARMAKOV, A.

Functional analysis of the bronchial factor in insufflated pulmonary caverns in tuberculosis. Suvrem. med., Sofia 5 no.8: 11-19 1954.

1. Iz Nauchno-issledovatel'ski institut po tuberkuloza, Sofia.
Direktor: dots. St.Todorov.

(COLLAPSE THERAPY,
bronchial factor in)
(BRONCHI, physiology,
in collapse ther.)

ALTUPARMAKOV, A.

Bronchoscopy in tuberculosis. Suvrem. med., Sofia 5 no.8:27-38 1954.

1. Iz Republikanskia nauchno-issledovatel'ski tuberkulezen institut
(direktor: dots. St.Todorov)

(TUBERCULOSIS, PULMONARY,

bronchoscopy in)

(BRONCHOSCOPY, in various diseases,
tuberc., pulm.)

ALTUPARMAKOV, Ant.

Advantages of aimed bronchography over regular diffuse
bronchography. Suvrem. med., Sofia 7 no.7:46-53 1956.

L. Iz Nauchnoissledovatel'skii institut po tuberkuloza.
(BRONCHI, radiography
comparison of aimed & diffuse bronchography)

ALTURBAN, J.

We fly on the wave. p.340.
(Kridla Vlasti, No. 11, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

ALTUTYEV, G.D. (Khar'kov)

26 years of experience in teaching anatomy at a feldsher-midwife
school. Fel'd. i akush. no.11:54-57 N '54. (MLRA 7:12)
(ANATOMY, education
in Russia, feldsher-midwife school)

MITEL'MAN, P.M.; AVERINA, I.V.; TOMENKO, Ye.K.; VEREZUB, L.G.; DOBZHINSKAYA, M.G.; KHDOROVA, Z.G.; ALTUYEVA, Ye.G.

Reactogenicity and immunological effectiveness of the new sorbed soluble pertussis-diphtheria-tetanus vaccine. Zhur. mikrobiol., epid. i immun. 41 no.4:70-73 Ap '64. (MIRA 18:4)

1. Khar'kovskiy institut vaktsin i syvorotok imeni Mechnikova.

AL'TVERGER, R.M.

5(7) PAGE 1 BOOK ESTIMATION 507/5071

Moscow, Izvestiya'nyy Institut prognozov

Voprosy kolektivnoy propozitsii (problems in long-range forecasting)
Moscow, Glavstatizdat (ed.), 1958, 104 p. (Series: Tsif. Tipy,
777. 75) 1,100 copies printed.

Sponsoring Agency: USSR, Glavstatizdat
Summary.

Ed.: (title page): V.M. Burdakov; Ed. (inside book): V.I. Turekhov
Tech. Ed.: I.M. Dzhigalov

NOTE: This issue of the Institute's transactions is intended for meteorological
and hydrographic specialists working in the field of long-range weather fore-
casting.

CONTENTS: This collection of articles deals with aspects of extended weather
forecasting. Individual articles discuss: synoptic conditions of wind
regimes most favorable to shipping along the Arctic Sea Route (Soviet Arctic
Sea); synoptic conditions underlying a continuous ice cover in various parts
of the Sea of Azov; a method for compiling daily automatic 500-mb contour
maps (1000) for 5 days by utilizing an equation of the conservation of
velocity and temperature regime; a method for determining the dependence of
the baric field for periods of 24, 48, and 72 hours; the determination of
definite relationships for forecasting the air temperature for a natural synoptic
period. The results of actual tests in a series of investigations in extended
forecasting are cited. References accompany each article.

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PED', D.A.; AL'TVERGER, R.M.

Predicting the temperature of the air for a natural synoptic
period. Trudy TSIP no.73:94-99 '58. (MIRA 12:2)
(Weather forecasting)

ALTYBAYEV, M.; SAVCHENKO, Yu.I.; KUZNETSOVA, A.Z.; STREL'TSOV, V.V.

Purification of gas by the removal of hydrogen sulfide in a
fluidized bed of cinder. Izv.vys.ucheb.zav.; khim.i khim.tekh.
7 no.6:958-961 '64. (MIRA 18:5)

1. Ivanovskiy khimiko-tekhnologicheskii institut, kafedra khimiche-
skogo mashinostroyeniya.

ALTYBAYEV, M.; STREL'TSOV, V.V.

Studying the kinetics of the reaction of hydrogen sulfide absorption in a fluidized bed of iron oxides. Izv.vys.ucheb. zav.; khim.i khim.tekh. 8 no.4:623-627 '65.

(MIRA 18:11)

1. Ivanovskiy khimiko-tekhnologicheskij institut, kafedra khimicheskogo mashinostroyeniya.

ALTYBAYEV, U.A.

Nodular goiter and cancer of the thyroid gland. Khirurgiia
no.8:115-119 Ag '62. (MIRA 15:8)

1. Iz kliniki fakul'tetskoy khirurgii (zav. - prof. V.I. Kolesov)
I Leningradskogo meditsinskogo instituta imeni I.P. Pavlova.
(THYROID GLAND---CANCER) (GOITER)

ALTYBAYEV, U.A.

Cancer of the thyroid gland and its relation to nodular goiter.
Med.zhur.Uzb. no.3:28-30 Mr '62. (MIRA 15:12)

1. Iz kliniki fakul'tetskoy khirurgii (zav. - prof. V.I.
Kolesov) I Leningradskogo meditsinskogo instituta imeni I.P.
Pavlova.

(THYROID GLAND—CANCER)(GOITER)

ALTYBAYEV, U.A.

Functional characteristics of nodular goite. Trudy Inst. kraev.
eksper. med. no.4:62-68'62. (MIRA 16:6)
(GOITER)

L'VOV, S.D.; ALFYKHOVA, L.S.

Vitamin C and its relationship to the Frost Resistance of Winter Wheat Crops

Dok AN SSSR Vol 80, No 1, 1 Sep 51, p. 113

Dissertation: "An investigation of the optimum conditions and development of a efficient technological process for producing medicinal Glucose." Cand Techn Sci, Mil-union Sci Res Chemico-pharmaceutical Institute Imeni Sergo Ordzhonikidze, 24 Jun 54. (Vechernnyaya Moskva, Moscow, 15 Jun 54)

SO: SOI 313, 23 Dec 1954

GEL'PERIN, N.I., ALTYKIS, A.I.

Use of waste hydrogen bromide gas from the production of synthomycin.
Med.prom. 12 no.8:13-18 Ag '58 (MIRA 11:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni S. Ordzhonikidze.
(HYDROBROMIC ACID)

GEL'PERIN, N.I.; NATRADZE, A.G.; ALTYKIS, A.I.

Search for an efficient method for producing medical glucose.
Khim. i med. no, 12:5-18 '59. (MIRA 13:10)
(GLUCOSE)

8.14 -32-3-23/43

5(3)

AUTHORS: Gel'perin, N.I., Altykis, A.I.

TITLE: The Effect of the Geometric Parameters of the Sorbent Layer on the Process of Sorption Purification of Corn Sugar Solutions (Vliyanie geometricheskikh parametrov sloya sorbenta na protsess sorbtionnoy ochistki rastvorov maisovogo sakhara)

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol XXXII, Nr 3, pp 599-603 (USSR)

ABSTRACT: Equations for the adsorption from solutions are applicable only in limited fields. This is attributable to the fact that the equations do not describe the mechanism of dynamic sorption, the physical-chemical properties of the solutions and sorbents, the geometrical parameters etc in a satisfactory way. For this purpose the sorption purification of corn sugar solutions used for the production of medicinal glucos is studied here. The columns employed were of different diameter and were packed with birch charcoal. The relation between the geometric dimension of the sorbent layer and the mass rate and its effect on the process was investigated. The ratio of the height of the sorption layer to the diameter of the column varied in the experiments from 20.4 to 67.9. A 40%-solution of corn sugar with the

Card 1/2

SCV/80-32-3-23-43

The Effect of the Geometric Parameters of the Sorbent Layer on the Process of Sorption Purification of Corn Sugar Solutions

flow rates ranging from 2 to 10 ml/min was used. In the sorption purification of the sugar solution the most important role was played by the inner diffusion due to the large sizes of the sorbed molecules. There was a linear relation between the ratio: height of layer to diameter of layer, and the time of the protective action of the sorbent if the flow rate remained constant. If the flow rate increased, the time of protective action dropped sharply.

There are 2 tables and 3 graphs.

SUBMITTED: July 17, 1957

Card 2/2

ALTYKIS, A. V.

"Determination of the Extrusion Capacity of Sheet Steel."
Min Heavy Machine Building USSR, Central Sci Res Inst of Technology and
Machine Building (TsNIITMash), Moscow, 1952
(Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis', No. 32, 6 Aug 55

ALTYKIS, A. V.

USSR/Engineering--Standardization

Card 1/1 : Pub. 128--12/33

Authors : Altykis, A. V., Cand. Tech. Sci.

Title : Standardization of sheet metal in factories of small-scale production and production of articles on an individual basis

Periodical : Vest. mash. 34/8, 47-49, Aug 1954

Abstract : In factories manufacturing heavy machinery, in which mass production can only be carried on to a limited extent, it was found that sheet metal was wasted. Plans for standardization are presented which, it is believed, will redound in economy for the nation. Graphs; table.

Institution :

Submitted :

ALTYKIS, A.V., kandidat tekhnicheskikh nauk.

Testing sheet metal by the Ericson method and by the method of drawing cylindrical cowls. Standartizatsiia no.2:68-74 Mr-Ap '55. (MIRA 8:6)

1. TsNIITMASH. (Sheet metal--Standards)

ALTYKIS, A. ^{V.} - Vol. 3, no. 2, Feb. 1955. STROJIRENSKA VYROBA

Standardising sheet metal consumption in small assembly-line and piece production.
Tr. from the Russian. p. 76.

SO: Monthly list of East European Accessions, (KRAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

ALTYKIS, A.V.

***Influence of Cold Work on the Drawing Properties of Sheet Metal**

A. V. Altykis and I. A. Rudman

(Orskhovskiy Metallurgicheskiy Institut, Moscow)

and S. V. Kuznetsov (Moscow State University)
 0.5 mm thick, of the type used in cold work, using as a criterion the

where ϵ is the elongation, d_0 the mean dia. of the cup
 not occur during drawing, and d_1 the mean dia. of the cup
 K, was determined by using a cylindrical punch 20 mm
 in dia. in conjunction with the drawing

by the method of cold work.

1. Introduction

2. Experimental

3. Results and Discussion

4. Conclusions

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61. Units

62. Notes

1-Toentrainny Nauchno-issledovatel'skaya institut

Tehnicheskoye i inzhenernoye

... ..

Hitykis, H. V.

14702* (Evaluation of Drawing Properties of Sheet Metal
for Hollow Parts of Complex Form.) Otsenka vytiashnykh
svoystv listovogo metalla, prednaznachennogo dlia polykh
detalle nekrugloj formy. A. V. Atykis. Vestnik Mashinostro-
nits, v. 33, no. 12, Dec. 1956, p. 47-49.
Stress distribution and nature of failure in deep drawings made
from various shapes of steel blanks. Diagrams, graphs, photo-
graphs. 2 ref.

62

ALTYKIS, A.V., kandidat tekhnicheskikh nauk.

State of control methods and evaluating the drawability of sheet
metals. [Izd.] LONITOMASH vol.40:81-94 '56. (MLBA 10:4)
(Deep drawing (Metalwork)) (Sheet metal)

ALTYKIS, A. V.

✓ 1821* (Russian) The Effects of Cold Working on the Draw-
ing Properties of Steel. *Met. i Spetsializatsiya* 1981, No. 1, p. 1-10.

2

AUTHOR: Altykis, A.V. Candidate of Technical Sciences 28-3-16/33

TITLE: Forgings of Structural Carbon Steel and Alloy Steel (Pokovki iz konstruksionnoy uglerodistoy i legirovannoy stali)

PERIODICAL: Standartizatsiya, 1957, No 3, May-June, pp 59-61 (USSR)

ABSTRACT: The article deals with the new standard GOCT 8479-57 which supersedes GOCT 2334-50 and 2335-50 beginning 1 Oct 1957. The new GOCT is described in detail. The old standards subdivided all forgings into three groups by "responsibility", and did not indicate mechanical properties for common carbon steel. It gave the mechanical properties for high-grade steel in normalized condition only, and a part of hardness limits for corresponding strength categories was incorrectly indicated. The new standard subdivides all forgings into five groups by prescribed tests and allows the selection of a test series corresponding to work conditions of forgings irrespective of steel grades. The percentage of group IV forgings to be tested is differentiated in accordance with the weight and the size of a batch. Carbon steel and alloy steel forgings alike are divided into strength categories in accordance with mechanical properties and two tables of these categories are given; each category is subdivided into an "A" group with higher

Card 1/2

129-10-11/12
On increasing the temperature at the end of the deformation process as a medium for reducing the force of stamping of large-size blanks. (Cont.)

free forging is substituted by hot stamping, it is advisable to do the final stamping at an increased temperature if the available presses are not powerful enough. Effects of the overheating of the material can be fully eliminated by appropriate heat treatment. Therefore, stamping of large-size blanks can be terminated at higher temperatures than those specified in the Soviet technological instructions. Thus, increase of the final stamping temperature, combined with other measures, permits reducing appreciably the necessary forging forces and producing by less powerful equipment a considerable number of large-size forgings.

There are 4 figures and 3 tables.

ASSOCIATION: TsNIITMASH and Nevsk Works imeni Lenin.

AVAILABLE: Library of Congress

Card 3/3

ALTYKIS, A.V.

Determining deformation stresses in disk-shaped parts caused by
sectional forging. Kus.-shtam.proizv. 1 no.5:11-16 14 '59.
(MIRA 12:10)

(Forging) (Deformations (Mechanics))

S/182/60/000/008/001/010
A161/A029

AUTHOR: Altykis, A.V.

TITLE: Forging Turbine Disks From Billets Made by Centrifugal Casting

PERIODICAL: Kuznechno-shtampovoye proizvodstvo, 1960, No. 8, pp. 1 - 7

TEXT: The described experiments were carried out as an attempt to reduce the high metal waste in forging steam turbine wheels from ingots (weight of ready wheel or disk is only 4 to 20% of the ingot). Centrifugal castings had been suggested back in 1954 by I.P. Pospelov (Ref. 2), but were not used in practice until now. Investigations at Nevskiy zavod im. Lenina (Nevskiy Works imeni Lenin) by I.G. Generson (Ref. 3) proved that the required mechanical properties in disks can be obtained by swaging alone. Detailed information on the experimental techniques is given. Steel experimented with was 34XH3M (34KhN3M); swaging was tried to 20, 40 and 60%. A trial technology was established for producing disks shown in Figure 4 (the contour inside of the hatched area shows the final disk after machining) by 30% swaging and broaching after stamping. The center was removed twice: first in the centrifugal cast billet, then in the ready forging to remove the remainders of the faulty metal. Castings were transported from the

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S/182/60/000/OC8/001/010

A161/A029

Forging Turbine Disks From Billets Made by Centrifugal Casting

centrifugal casting machine in a thermos container, heated to 1,200°C in a chamber furnace and held for 30 min, punched on a 1,500-ton press by a hollow punch, then swaged down to 500 mm diameter (from initial 400 mm) in the die. Surface temperature at the end of swaging was 850 - 870°C. The billet was reheated to 1,200 - 1,220°C, held for 20 min at this temperature, then again placed into the press for final stamping. As the press capacity was not sufficient to obtain a 625-mm diameter disk in a single stroke, a three-section die was used, consisting of one central cylindrical and two annular top dies, described in Reference 1 (Kuznechno-shtampovoye proizvodstvo, No. 5, 1959), in three press strokes: first by the central 390 mm diameter die, then by the first annular die of 540 mm and finally by the second annular die of 680 mm. The bore closed completely in the process and was punched by a solid punch. The mechanical properties measured in specimens taken from disks so produced exceeded the standard requirements; the metal structure was of the type common to forged 34KhN3M steel. It has been proven that disks fully meeting the strength requirements may be obtained by swaging centrifugal castings with the diameter exceeding the height; a diameter height ration of $\frac{D}{h} = 1.11$ is already sufficient (lesser height is bet-

Card 2/3

ALTYKIS, A.V.

Formation of hot shuts during the upset hammer forging of cylindrical parts with a central opening. Kuz.-shtam. proizv. 2 no.6:10-12
Je '60. (MIRA 13:10)

(Forging)

ALTYKIS, A.V.; BEREZHKOVSIIY, D.I.; VOLKOVITSIIY, V.F.; GIRSH, I.I. [deceased];
GOL'MAN, L.D.; GRANOVSKIY, S.P.; DOBRINSKIY, N.S.; ZMIN, A.I.; ZLOT-
NIKOV, S.L.; KAGALOVSKIY, A.I.; LOBACHEV, P.V.; MARTINOV, V.N.; MOSH-
NIN, Ye.N.; NAVROTSKIY, G.A.; OKHRIMENKO, Ya.M.; ROVINSKIY, G.N.;
STOSHA, Ye.A.; ROZHDESTVENSKIY, Yu.L.; TIKHOMIROV, N.V.; UNKSOV, Ye.P.,
doktor tekhn. nauk, prof.; SHCHEGLOV, V.F.; SHOFMAN, L.A.; SIROTIN, A.I.,
red. izd-va; MODEL', B.I., tekhn. red.

[Present state of the forging industry] Sovremennoe sostoyanie kuznechno-
shtampovogo proizvodstva. By Kollektiv sovetskikh i chekhoslovat-
skikh avtorov. Moskva, Mashgiz; Prague, SNTL, 1961. 434 p.

(MIRA 14:8)

(Forging)

ALTYKIN, A. V.

36

PHASE I BOOK EXPLOITATION

SOV/5799

Unkov, Ye.P., Doctor of Technical Sciences, Professor, Ed.

Sovremennoye sostoyaniye kuznechno-shtampovogochnogo proizvodstva (Present State of the Pressworking of Metals) [Moscow] Mashgiz, 1961. 434 p. 5000 copies printed.

Ed. of Publishing House: A.I. Sirotin; Tech. Ed.: B.I. Model'; Managing Ed. for Literature on the Hot Working of Metals: S.Ya. Golovin, Engineer.

Title: Kuznechno-shtampovoychnoye proizvodstvo v SSSR (The Pressworking of Metals in the USSR) by: A.V. Altykin, D.I. Derzhkovskiy, V.F. Volkovitskiy, I.I. Girsh (deceased), L.D. Gol'man, S.P. Granovskiy, N.S. Dobrinskiy, A.I. Zimin, S. L. Zlotnikov, A.I. Kagalovskiy, P.V. Lobachev, V.N. Martynov, Ye.N. Moshnin, G.A. Navrotsky, Ya.M. Okhrimenko, G.N. Rovinskiy, Ye.A. Stosha, Yu.L. Rozhdestvenskiy, N.V. Tikhomirov, Ye.P. Unkov, V.F. Shcheglov, and L.A. Shofman; Eds: Ye.P. Unkov, Doctor of Technical Sciences, Professor, and B.V. Rozanov.

Title: Kuznechno-shtampovoychnoye proizvodstvo v ChSSR (The Pressworking of Metals in the Czechoslovak SR) by: S. Burda, F. Hrazdil, F. Drastik, F. Zlatohlavek

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Present State of the (Cont.)

SGT/5799

Z. Kejval, V. Krauz, F. Kupka, F. Majer, K. Marvan, J. Novak, J. Odchmal, K. Paul, B. Semmer, M. Nonz, J. Částka, V. Šindelář, and J. Šolc; Eds.: A. Nejepsa and M. Vlk.

PURPOSE: This book is intended for engineers and scientific personnel concerned with the pressworking of metals.

COVERAGE: Published jointly by Mashgiz and SNTL, the book discusses the present state of the pressworking of metals in the USSR and the Czechoslovak Socialist Republic. Chapters were written by both Soviet and Czechoslovak writers. No personalities are mentioned. There are 129 references: 98 Soviet, 16 English, 8 German, 5 Czech, and 2 French.

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Present State of the (Cont.)

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| Ch. XI. The Mechanization of Obsolete Enterprises as a Means of Increasing Labor Productivity [B. Šamr, Vítkovice Metallurgical Plant imeni Klement Gottwald, Ostrava] | 410 |
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Card 7/8

ALTYKIS, A.V.; SKORODUMOV, S.A.

Sectional forging of disks on mechanical crank presses. Kuz.-
shtam.proizv. 5 no.2:13-17 F '68 (MIRA 16:2)
(Forging) (Power presses)

L 16384-65 EWT(1)/FCC AEDC(a) GW
 ACCESSION NR: AT4048795

S/3110/63/255/000/0119/0128

AUTHOR: Alty*kis, Ye. V.

TITLE: Quantitat ve evaluation of forms of atmospheric circulation

B+1

SOURCE: Leningrad. Arkticheskiy i antarkhticheskiy nauchno-issledovatel'skiy institut.
Trudy*, v. 255, 1963. Sbornik statey po voprosam dolgosrochny*kh prognozov pogody*
 dlya Arktiki (Collection of articles on the problems of long-range weather forecasting for
 the Arctic), 119-128

TOPIC TAGS: atmospheric circulation, weather forecasting, long-range weather forecast-
 ing, atmospheric pressure, atmospheric geopotential

ABSTRACT: An analysis of curves of the mean meridional gradients of sea-level pressure,
 geopotential of the 500-mb surface and relative geopotential of the OT-500/1000 layer for
 nine varieties of forms of atmospheric circulation (as defined by G. Ya. Vangengeym in
 Izd. Akad. nauk SSR, ser. geogr. i geofiz., Vol X, 1946, No. 5) shows that circulatory
 processes in Sectors I and II of the northern hemisphere are interrelated. (Sector I =
 Atlantic, Europe, Siberia; Sector II - East Asia, Pacific Ocean, North America). The
 character of the processes in Sector II appreciably influence the structure of circulation
 forms in Sector I, that is, the distribution of gradients in Sector I is determined not only

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ACCESSION NR: AT4048795

by the form (W, C, E), but also by its variety. There is a tendency to intensification of westerly transport over the European SSSR and Siberia for all forms of circulation over Sector I when an M₂ process is observed in Sector II. In turn, the characteristics of the types of processes in Sector II are essentially dependent on what occurs in Sector I. In Sector II processes M₁, 3 and M₂ can be distinguished on the basis of the value of the meridional gradient. In the eastern Pacific area circulation type M₁ is characterized by pressure gradients less than 0.6 mb/degree of meridian and geopotential gradients less than 1.9 mb/degree of meridian. In the case of processes of types 3 and M₂ there are characteristic gradients greater than the mentioned limiting values. During type 3 the gradients in general are greater than in type M₂, but they cannot be put into a separate group reliably. The quantitative characteristics obtained for individual points or cross sections are insufficiently complete and indicative. It would be desirable to find parameters characterizing the entire field and its details. Computation of such indices is possible with electronic computers. Orig. art. has: 2 formulas, 5 figures and 1 table.

ASSOCIATION: Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut, Leningrad (Arctic and Antarctic Scientific Research Institute).

Cord 2/3

L 16384-65
ACCESSION NR: AT4048796

SUBMITTED: 00

ENCL: 00

0
SUB CODE: ES

NO REF SCV: 004

OTHER: 000

Card 3/3

L 13757-65 ENT(1)/FCC GW

ACCESSION NR: AR4046164

S/0169/64/000/008/B054/B054

SOURCE: Ref. zh. Geofizika, Abs. 8B28B.

AUTHOR: Alty*kis, Ye. V.

TITLE: Use of Cheby*shev polynomials for the analysis of forms of atmospheric circulation

CITED SOURCE: Sb. Prob'l. Arktiki i Antarktiki. Vy*p. 15, M.-L., Transport, 1964, 53-61

TOPIC TAGS: atmospheric circulation, Cheby*shev polynomial, atmospheric geopotential, atmospheric pressure field

TRANSLATION: The author investigated the possibility of using Cheby*shev polynomials in expansions of the pressure field at sea level and the geopotential field at the 500-mb surface for a quantitative analysis of forms of atmospheric circulation (W, C, E) as defined by G. Ya. Vangengeym. The values of pressure (deviations from 1000 mb) and geopotential (deviations from 500 gpdkm) were obtained in each of three regions (60°W-60°E, 60°E-180°, 60°W-180°) of the latitude zone 35-75°N at grid line intersections 4° apart in latitude and 12° apart in
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ACCESSION NR: AR4046164

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longitude (11 grid squares x 11 grid squares). The initial data were represented in the form of a square matrix of 121 elements. Polynomials of the first degree were used and polynomials to the fourth order were taken into account in the expansion. Ten cases (days) with each of the forms of circulation W, C, E were selected for the winter months of the last 10 years. The cases were selected in such a way that over the Pacific Ocean and America (sector II) there also were 10 cases each of processes of the types Z, M₁, M₂ as defined by A. A. Girs. Using the data (for each case), read at the intersections of the grids (for all three regions) from a synoptic chart and AT-500 charts, a "Ural-2" electronic computer was used to compute the coefficients of the expansion by a method developed at the Arkticheskiy i Antarkticheskiy institut (Arctic and Antarctic Institute). The coefficients of the expansion of fields in the first region, covering a considerable part of the area of sector I (Atlantic-European) were grouped by circulation forms W, C, E and the mean values of the coefficients for each of the forms were obtained. The author gives the mean values of the coefficients of expansion of the pressure field at sea level and the geopotential field at the 500-mb surface, falling in the different gradations of the expansion coefficients, for each of the forms of circulation. Some of the expansion coefficients,

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L 13757-55

ACCESSION NR: AR4046164

and their combinations are well grouped by forms of circulation, making it possible to use them to separate different forms from one another. The author also gives the geometric representation of certain combinations of polynomials and a detailed analysis of the coefficients of the expansion of the 500-mb surface and the pressure field at sea level for each region. These coefficients can be used to judge the intensity of circulation at different scales. Expansion of the temperature field of the lower half of the troposphere, made using the expansion coefficients of the OT-500/1000 field, revealed the possibility of more precise determination of the character of the processes. Computation of the expansion coefficients, carried out for all the earlier analyzed cases using a grid of 6 squares by 6 squares (36 points of intersection) revealed that for an evaluation of macrocirculatory processes and analysis of forms of circulation, the use of a grid with more widely spaced intersections is entirely admissible. The possibility of the grouping of the coefficients of expansion of the pressure field at sea level and the geopotential field at the 500-mb surface, using Cheby*shev polynomials, is evidence of the feasibility of investigation of their temporal variability as an additional means of quantitative analysis of the transformation of the forms of atmospheric circulation. N. Davy*dov

ASSOCIATION: None

SUB CODE: ES

ENCL: 00

Card 3/3

ALTYMYSHEV, A.A., dotsent

Effect of lycorine alkaloid on the interoceptors of the vessels of
the spleen, intestines and hind leg. Trudy Semipal. med. inst. 2:
67-71 '59. (MIRA 15:4)

1. Kafedra farmakologii Semipalatinskogo gosudarstvennogo meditsinskogo
instituta. (zav.kafedroy - dotsent A.A.Altymyshev).
(LYCORINE) (SPLEEN--INNERVATION)
(INTESTINES--INNERVATION) (EXTREMITIES (ANATOMY)--INNERVATION)

ALTYMYSHEV, A.A., kand.med.nauk; GREBNEVA, L.S., kand.med.nauk

Study of the general action of Peganum harmala which grows in Kirghizistan. Trudy Semipal. med. inst. 2:93-101 '59. (MIRA 15:4)

1. Kafedra farmakologii Semipalatinskogo gosudarstvennogo meditsinskogo instituta (zav.kafedroy - dotsent A.A.Altymyshev).
(KIRGHIZISTAN--PEGANUM)

SHCHEGOLEV, A.V., inzh.; ALTYN, S.V., inzh.

Experience in using an IMB power relay in the design of a current
type servo system. Energ. i elektrotekh. prom. no.2:60-62 Ap-Je
'64. (MIRA 17:10)

ALTYNBAYEVA, S.S.

Testing certain relationships between heat conductivity
and other characteristics of a liquid. Inzh.-fiz. zhur. 6
no.11:65-69 N '63. (MIRA 16:11)

1. Lesotekhnicheskaya akademiya imeni S.M. Kirova, Leningrad.

KAPITANOV, G.,prof.; ALTYNKOV, P.; KARABASHEV, B.

Comparative studies on some approaches in surgery of the
heart and pericardium. Vest.khir. 81 no.11:41-46 N '58.
(MIRA 12:3)

1. Iz kafedry khirurgicheskoy propedevtiki i kafedry operativnoy
khirurgii s topograficheskoy anatomiyei Sofiyskogo vysshego
meditsinskogo instituta. Adres avtorov: Bolgariya, Sofiya,
Vysshiiy meditsinskiy institut.
(CHEST--SURGERY)

ALTYNKOV, P.G., dotsent

Neurovascular compression syndrome of the upper extremities.
Vest. khir. no.10:125 '64. (MIRA 19:1)

1. Iz kafedry khirurgii Vysshego meditsinskogo instituta Varny,
Bolgariya.

BLESHINSKIY, S.V.; KHARAKOZ, A.Ye.; LUKIN, I.N.; BABENKO, V.G.; CHALOVA,
Ye.P.; Prinimali uchastiye: ABRAMOVA, V.F.; VINOGRADOV, V.P.;
USUBAKUNOV, M.; GORBUNOV, V.D.; OSIPOVA, T.P.; NAGAYEVA, A.G.;
MEDVEDEVA, V.A.; ALTYYNNIKOVA, P.M.

Fluosilicic method for separating rare-earth elements. Izv.
AN Kir. SSR. Ser. est. 1 tekhn. nauk 5 no.4:23-24 '63.

(MIRA 16:10)

BLESHINSKIY, S.V.; KHARAKOZ, A.Ye.; CHALOVA, Ye.P.; ALTYNNIKOVA, P.M.;
OSIPOVA, T.P.

Phosphate method for stripping rare-earth minerals. Izv. AN Kir.
SSR. Ser. est i tekhn. nauk 5 no.4:17-21 '63. (MIRA 16:10)

BLESHINSKIY, S.V.; KHARAKOZ, A.Ye.; ABRAMOVA, V.F.; VINOGRADOV, V.P.;
BABENKO, V.T.; KACHKIMBAYEVA, S.A.; Prinimali uchastiye:
USUBAKUNOV, M.; NAGAYEVA, A.G.; GORBUNOV, V.D.; MEDVEDEVA,
V.A.; CHALOVA, Ye.P.; ALTYNNIKOVA, P.M.

Method for separating rare-earth elements based on the thermal
dissociation of sulfates. Izv. AN Kir. SSR. Ser. est. i tekhn.
nauk 5 no.4:25-26 '63. (MIRA 16:10)

ALTYKOV, I. P.

PA 234T22

USSR/Chemistry - Bismuth

1 Sep 52

"Temperature and the Surface Tension of Bismuth and Its Alloys of Sodium and Potassium," P. P. Pugachevich, I. P. Altynov

"Dok Ak Nauk SSSR" Vol 86, No 1, pp 117-119

The surface tension of bismuth was measured in the temp range of 270-500°. Addn of small amts of sodium or potassium decreases the surface tension of the bismuth. Presented by Acad I. I. Chernyayev 28 Jun 52.

234T22

ALTYNOV, I. P.

ALTYNOV, I. P. - "Investigation of the Effect of Impurities of Surface-Active Metals on the Surface Tension of Bismuth." Sub 9 Jun 52, Moscow City Pedagogical Inst imeni V. P. Potemkin. (Dissertation for the Degree of Candidate in Physicomathematical Sciences).

SO: Vechernaya Moskva January-December 1952

ALTYNOV, I. P.

γ Incl ①

Metallurgical Abst.
Vol. 21 Apr. 1954
Properties of Metals

*Influence of Additions of Alkali Metals on the Surface Tension and Microhardness of Bismuth. I. P. Altynov (*Doklady Akad. Nauk S.S.S.R.*, 1953, 93, (5), 845-846).-- [In Russian]. The values of the surface tension (σ) of pure Bi and binary alloys contg. up to 0.05 at.-% Na, and up to 0.03 at.-% K, obtained by Pugachevich and A. (*ibid.*, 1952, 86, 117; *M.A.*, 21, 321) are given as graphs of σ versus c (at.-% Na or K). After determining σ , the molten alloy was transferred to an ampoule, allowed to solidify *in vacuo*, a section prepared with the aid of a finely-dispersed soln. of CrO_3 in water, and the microhardness H measured with the PMT-3 apparatus. The results are given as curves of H versus c ; H (kg./mm.^2) increased from 16 for pure Bi to ~21.5 at 0.5-0.65 at.-% Na, and to ~23.5 for 0.03 at.-% K. There is thus a connection between σ and H : the greater the surface activity of the addn. the more strongly H is increased. This agrees with Semenchenko's theory.-- G. V. E. T.

ALTYNOV I. P.

3

U S S R .

3527 AERE-Lib. Trans-506

THE EFFECT OF ADIUTURES ON ALKALI METALS
THE SURFACE TENSION AND MELTING POINT

BISMUTH I. P. ALTYNOV

Inst. of Chem. Acad. Sci. USSR

USSR

and the effect of hardness on

admixtures of sodium and p

• to be used to indicate

and between the surface

and the structure of the

M. J.

S/137/62/000/007/003/072
A052/A101

AUTHOR: Altynov, I. P.

TITLE: The effect of surface-active additions on the surface tension and microhardness of bismuth

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 7, 1962, 7 - 8, abstract 7A39 ("Uch. zap. Mosk. gor. ped. in-ta im. V. P. Potemkina", no. 86, 1960, 5 - 42)

TEXT: An investigation of surface tension σ of Bi-Na and Bi-K alloys in the region of low concentrations of Na and K was carried out by the method of maximum pressure in a drop. It is established that both Na and K reduce σ_{Bi} , the surface activity of K being higher than that of Na. σ of pure Bi and of its alloys with Na and K is not a linear function of the temperature, but with the increase of alkali metal content in the alloy the value of the temperature coefficient σ decreases. By means of a graphic differentiation of concentration dependences of σ , the adsorption of Na and K on Bi has been determined in the 270 - 500°C range, and it has been shown that the maximum adsorption value of K

Card 1/2

The effect of surface-active additions on...

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A052/A101

is higher and the concentration corresponding to the extremum of K adsorption is lower than the similar values for Na. Investigations of microhardness of Bi-Na and Bi-K alloys have shown that K has a more active effect on microhardness than Na.

V. Lazarev

[Abstracter's note: Complete translation]

Card 2/2

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