

Ventilators and Exhaust Fans	446	
3. Flat grids. Construction of profiles		60
4. Forces acting on grid profiles		63
5. Grid efficiency		67
6. Experimental data for flat-grid design		68
7. Axial-flow fan wheel		71
8. Axial-flow fan guiding and straightening elements. Collectors and diffusers		77
9. Blade element efficiency, hydraulic efficiency and overall efficiency of axial-flow fans		80
10. Designing axial-flow fans		82
Card 5/8		

Ventilators and Exhaust Fans

446

Ch. III. Exhausters and the Fans Used in Mills

1. Uses of exhausters and fans for mills and their characteristic working conditions 45
2. Wear in exhauster wheel-blades and discs 46
3. Basic measures for preventing wear 48
4. Effect of ashes on exhauster performance 50
5. Fans used in mills 52
6. Design characteristics of exhausters and fans used in mills 53

Ch. IV. Axial-flow Fans

1. Working principle of axial-flow fans 55
2. Principal schematic diagrams for axial-flow fan design 57

Card 4/8

Ventilators and Exhaust Fans	446	
3. Fan performance characteristics		15
Ch. II. Centrifugal Fans		
1. Working principle of centrifugal fans		19
2. Derivation and analysis of Euler's formula		21
3. Centrifugal fan wheel		23
4. Radial grids		25
5. Determining the basic dimensions of a fan-wheel		30
6. Spiral-type casing		33
7. Design of centrifugal fans		36
8. Variable working conditions of centrifugal fans		40
Card 3/8		

Ventilators and Exhaust Fans

446

the Soviet Union. Chapter 9 (Fan Design for Strength) was written by A.G. Kostyuk, Docent, Moscow Institute of Power Engineering. There are 64 references, of which 59 are Soviet, 3 German, and 2 English.

TABLE OF  
CONTENTS:

Foreword	3
Introduction	6
1. Classification of blowing engines	6
2. Blowing engine applications	8
3. Brief historical survey	9
Ch. 1. Fundamentals of Hydraulics	
1. Bernoulli's equation. Total, static and dynamic pressures	11
2. Resistance of duct systems	13

Card 2/8

KOSTYUK, A. G.

Kostyuk, A. G. Stresses in a continuous rotating cylinder  
depending on the limit. Akad. Nauk SSSR. Prikl. Mat.  
Mech. 18: 451-456 (1954). (Russian)

The author examines the effect of elastic compressibility on the limiting speed of rotating cylinders. Expressing stress as a series expansion of powers of a small parameter, the first two sets of stress correction terms are evaluated for a general total strain type law. Specializing to a case in which effective stress is proportional to the  $n$ th power of the effective strain, it is shown that compressibility reduces the limiting speed, except when  $n$  is large. No numerical values are given. *R. M. Hoyhornikowicz.*

KOSTYUK, A. G.

U S S R

62

№ 5336. Kostyuk, A. G., Temperature fields of turbine disks (in Russian), *Izv. Akad. Nauk Otd. tekhn. Nauk* no. 6, 25-36, June 1964.

Determination of temperature field in cooled turbine disks is a substantial part of technical economic calculations in designing arrangements of this kind. Mathematical considerations in this branch of engineering science are rather difficult, reliable formulas and exact physical data are not known, and related problems are often treated under too simplified presuppositions. As a rule, due attention is not paid to such factors as the form of disks, mutual exchange of heat between their parts, the quantity of the cooling air, the influences of the coefficient of heat transfer from disks to ambient cooling air, and many others.

Based on a detailed analysis of his own numerous mathematical solutions of the problem on steady temperature fields in turbine disks, author carefully studies all factors mentioned above. His discussion presupposes reasonable knowledge of the theory of Bessel and hypergeometric functions. Calculations are quite correct and, apart from some minor misprints, reviewer has not found any error in the paper. Of course, resulting formulas are rather complicated and, therefore, reader finds welcome intuitive diagram suitable for technical use.

Paper is doubtless a valuable enrichment of the theory of turbines. It deserves the careful attention of interested specialists.

V. Vodička, Czechoslovakia

KOSTYUK, A. G.

USSR/Mathematics - Elasticity Theory Sep/Oct 53

"Calculation of the Profile of a Revolving Disk For Conditions of Creep," A. G. Kostyuk, Moscow, Moscow Power Eng Inst

Priklad Matem i Mekhan, Vol 17, No 5, pp 615-618

Treats the problem of determining the profile of a revolving disk under conditions of stationary creep according to a given law of variation of stresses or strains along the radius. Assumes the temperature

276T89

field to be polar-symmetrical and the law of creep to be arbitrary. Presented 24 Jun 53. Refers to a related work of Yu. N. Rabotnov ("Disk of Uniform Resistance," PMM, Vol 12, No 4, 1948).

KOSTYUK, A. G.

Elasticity and Plasticity, Plasticity, Creep, Strength (2265)  
Inzhenernyy Sbornik, Vol 15, 1953, pp 15-20

Kostyuk, A. G.

"Stresses in a Rotating Disk During Creep"

Discusses creep of a rotating disk of varying thickness and presents the author's solution by the method of successive approximations.

Referativnyy Zhurnal--Mekhanika, No 2, Feb 54; SO: (W-30785, 28 July 1954)

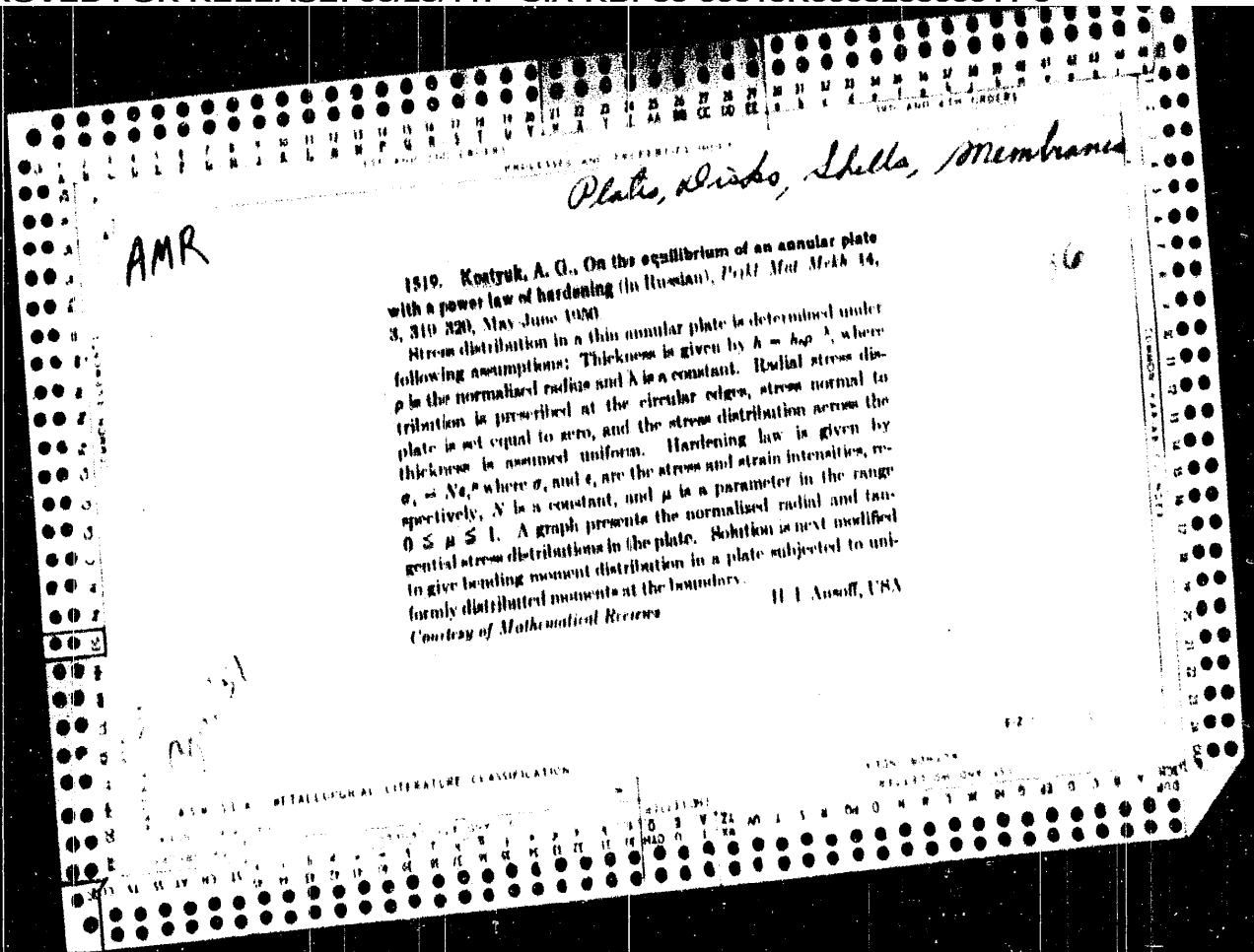


KOSTYUK, A. G.

"Some Problems of Creeping of Turbine Disks." Sub 23 Nov 51, Moscow  
Order of Lenin Power Engineering Inst imeni V. M. Molotov

Dissertations presented for science and engineering degrees in  
Moscow during 1951.

CO: Sum. No. 480, 9 May 55



AMR

*Plates, Disks, Shells, Membranes*

1519. Kostrik, A. G. On the equilibrium of an annular plate with a power law of hardening (in Russian), *Dokl. Mat. Mekh.* 14, 3, 310-320, May-June 1960.

Stress distribution in a thin annular plate is determined under following assumptions: Thickness is given by  $h = h_0 r^\lambda$ , where  $\rho$  is the normalized radius and  $\lambda$  is a constant. Radial stress distribution is prescribed at the circular edges, stress normal to plate is set equal to zero, and the stress distribution across the thickness is assumed uniform. Hardening law is given by  $\sigma = N \epsilon^\mu$  where  $\sigma$ , and  $\epsilon$ , are the stress and strain intensities, respectively,  $N$  is a constant, and  $\mu$  is a parameter in the range  $0 \leq \mu \leq 1$ . A graph presents the normalized radial and tangential stress distributions in the plate. Solution is next modified to give bending moment distribution in a plate subjected to uniformly distributed moments at the boundary.

H. I. Ansoff, USA

*Courtesy of Mathematical Reviews*

METALLURGICAL LITERATURE CLASSIFICATION

KOSTYUK, A. G.

Kostyuk, A. G. - "On the elastic deformation of a rotating ring under the effect of centrifugal forces," (Computation of the steam turbine governor), Trudy Studench. nauch.-tekh. o-va (Mosk. energet. in-t im. Molotova), Issue 3, 1949, p. 38-44

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949.)

**KOSTYUK, A. (Kamenets-Podol'sk, USSR).**

The best motion-picture operator in Kamenets-Podol'sk Province. Kinomekhanik  
no.9:16 S '53. (MIRA 6:9)

(Moving-picture projection)

GEMBITSKIY, Ye.V.; KOSTYUCHENOK, V.V. (Leningrad)

Acute erythremia. Klin.med.33 no.7:64-69 J1 '55.(MLRA 8:12)

1. Iz kafedry gosptal'noy terapii (nach-chlen-korrespondent  
AMN SSSR prof. N.S.Molchanov) Voenno-meditsinskoy ordena  
Lenina akademii imeni S.M.Kirova)  
(POLYCYTHEMIA VERA  
erythemic myelosis)

PALETSKAYA, L.N.; LOBOVA, Ye.V.; LAVROV, A.P.; RABOCHEV, I.S.; BABAYEV, A.G.;  
TRAPEZNIKOV, F.F.; KOSTYUCHENKO, V.P.; NOSOV, A.K.

Grigoriil Il'ich Dolenko, 1886-1964; an obituary. Pochvovedenie  
no.5:119-120 My '65. (MIRA 18:5)

RUDA, S.P.; KOSTYUCHENKO, T.S.

Studying the pathogenicity of yeastlike fungi of the genus *Candida*  
isolated from pathological material. Visnyk Kyiv.un. no.5. Ser.  
biol. no.2:88-90 '62. (MIRA 1835)

(MONILIASIS)

L 19189-63  
ACCESSION NR: AR3004202

upsetting, in order to obtain isotropic properties; in the case when there is  
upsetting optimum forging reduction ratio is 3 to 4. Four figures, 6 references.  
I. Gendlina.

DATE ACQ: 21Jun63

SUB CODE: XB

ENCL: 00

Card 2/2



L 19189-63      EWP(k)/EWP(q)/EWT(m)/BDS    AFFTC/ASD    PF-4    JD/HW  
ACCESSION NR: AR3004202      S/0276/83/000/005/V008/V008

SOURCE: RZh. Tekhnologiya mashinostroyeniya, Abs. 5V42

67

AUTHOR: Sokolov, L. N.; Kiritsev, A. D.; Andryushchenko, P. P.; Kostyuchenko, N. T.

TITLE: Effect of forging reduction ratio on mechanical properties of forgings,  
from a 20t ingot of steel 45

CITED SOURCE: Sb. Nauchn. tr. Zhdanovsk. metallurg. in-t, vy\*p 8, 1962, 140-145

TOPIC TAGS: forging method, anisotropy forging, forging reduction ratio, steel 45

TRANSLATION: The total forging reduction ratio is determined as the product of particular forging reduction ratio during draw-out without taking into account the forging reduction ratio and upsetting. Investigations were carried out on forgings of 20t ingots from steel 45 at 40% upsetting and elongation with ukovs of 1.5 to 7. Anisotropy of mechanical properties, that was greater in grain direction, was observed in forged metal;  $\sigma_b$   $\sigma_s$  depend little on forging reduction ratio and on the direction of grain in the forging;  $\psi$ ,  $\delta$  and  $a_k$  change more markedly when forging reduction ratio increases. Forging reduction ratio of 2.5 to 3.0 should be considered optimum in forging without

Card 1/2

KOSTYUCHENOK, B.M.; TSYB, A.F.

Methodology for measuring the areas of the mitral, aortic and tricuspid ostia before and during surgery for combined stenosis. Eksper. khir. i anest. no.1:16-20 '65. (MIRA 18:11)

1. Institut khirurgii imeni A.V. Vishnevskogo (direktor -- deystvitel'nyy chlen AMN SSSR prof. A.A. Vishnevskiy) AMN SSSR, Moskva.

KOSTYUCHENOK, B.M.; SHCHERBA, S.G.

Surgical treatment of tricuspid stenosis by closed methods  
in combined heart defects. Grud. khir. 6 no.1:21-28 Ja-F '64.  
(MIRA 18:11)

1. Institut khirurgii imeni Vishnevskogo (dir. - deystvitel'-  
nyy chlen AMN SSSR prof. A.A. Vishnevskiy) AMN SSSR, Moskva.  
Submitted August 10, 1963.

TSURBAPAN, G.I.; PETROSYAN, Yu.S.; LEVANY, A.D.; DANILYAN, M.A.;  
KOSTYUCHENOK, B.M.; TSYB, A.P.; KISIC, S.Ya.; GOLITS, S.T.;  
POPEOVSKIY, A.V.; BURAKOVSKIY, V.I.; KONSTANTINOV, E.A.;  
LYNDE, H.N.; GOLONKO, R.I.

Proceedings of the meetings of the Surgical Society of Moscow  
and Moscow region. Grad. khir. o no. 114-117. H. 1971.

(114-117)

1. Institut serdechno-sosudistoy khirurgii ANU SSSR (for all  
except Kostyuchenok, TSYB). 2. Institut khirurgii Gort A.V.  
Vishnevskogo ANU SSSR (for Kostyuchenok, TSYB).

KOSTYUCHENOK, B.M. (Moska I-90, ul. Sadovo-Sukharevskaja, d.19/23 kv.6);  
MAKLAKOV, N.I. (Moskva)

A case of successful surgical treatment of pleural empyema of  
a remaining lung. Grudn. khir. 5 no.4:96-97 JI-Ag'63  
(MIRA 17:1)

KOLESNIKOV, I.S., professor; KOSTYUCHENOK, B.M.; SHEYNIS, V.N.

Use of hypothermia in the surgical practice. *Khirurgiia* 32 no.4:  
65-76 Ap '56. (MLBA 9:8)

1. Iz Gospital'noy khirurgicheskoy kliniki Voyenno-meditzinskoy  
ordena Lenina akademii imeni S.M.Kirova (nach. kafedry-prof.  
I.S.Kolesnikov)

(BODY TEMPERATURE,  
hypothermia, controlled, in surg. (Rus))

ACHKASOVA, T.A.; KALIKHMAN, A.A.; KOSTYUCHENOK, B.M.; DEDYUKINA, V.V.

Modification of gas exchange and blood gases in pulmonary surgery under controlled hypothermia. Khirurgiia 32 no.1:78-85 J '56

(MLRA 9:6)

1. Iz gospi tal'noy khirurgicheskoy kliniki Voenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova (nach.-general-mayor meditsinskoy sluzhby prof. I.S. Kolesnikov) i gruppy kriopatologii AMN SSSR (rukovoditel' deystvitel'nyy chlen AMN SSSR prof. S.S. Girgolav)

(LUNGS, surg.

controlled hypothermia, gas exchange & gases in )

(BODY TEMPERATURE

hypothermia, controlled in lung surgery, gas exchange & blood gases in)

(BLOOD,

gas exchange in controlled hypertension during lung surg.)

KOSTYUCHENOK, B.M.

Use of hypothermia. *Exper.khir.* 1 no.3:3-10 My-Je '56 (MIRA 11:10)

1. Iz gospi'tal'noy khirurgicheskoy kliniki (nach- prof. I.S. Kolesnikov)  
Voenna-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

(HYPOTHERMIA, physiol.  
in surg., technics (Rus))

(SURGERY, OPERATIVE  
hypothermia, physiol, aspects & technic (Rus))



KOSTYUCHENOK, B.M. (Leningrad).

Extensive intestinal resection in a case of volvulus of the cecum with knot  
formation. Vest.khir. 73 no.4:52 J1-Ag '53. (MLRA 6:8)  
(Intestines--Surgery)

KOSTYUCHENOK, B.M. (Leningrad); BONCH-OSMOLOVSKIY, Ye.Ye., vedushchiy khirurg.

Case of removing a needle from the myocardium. Vest.khir. 73 no.3:57  
My-Je '53. (MLRA 6:6)

1. Khirurgicheskoye otdeleniye Minskogo gospihtalya.  
(Heart--Foreign bodies)

KOSTYUCHENKO-PAVLOVA. M.M.

Development of the areas of lower pressure in localities with large water intake installations. Biul.nauch.-tekh.inform.VIMS no.1:26-27 '60. (MIRA 15:5)

1. Severo-Ukrainskaya gidrogeologicheskaya stantsiya.  
(Water, Underground)

SHPAK, I.S.; KOSTYUCHENKO-PAVLOVA, M.M.

Accuracy of the single sample system in determining soil  
moisture by the gravimetric method. Pochvovedenie no.6:  
107-111 Je '61. (MIRA 14:6)

1. Severo-ukrainskaya opornaya gidrogeologicheskaya stantsiya.  
(Soil moisture)

KUSHNIRSKAYA, M.TS., inzh.; GLEYZEROVA, L.L., inzh.; KOSTYUCHENKO, Yu.P., inzh.

Deep staining of beech wood. Der. prom. 13 no.9:28-29 S 164.  
(MIRA 17:11)

KOSTYUCHENKO, Yu.I.

Soil characteristics in Kubatly District, Azerbaijan S.S.R.  
Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.4:73-79 '62.

(MIRA 15:12)

(KUBATLY DISTRICT--SOILS)

MOGILYANSKIY, Ya.D.; KOSTYUCHENKO, Ye.P. (gorod Vitebsk).

Preparation of oxygen from hydrogen peroxide. Khim.v shkole no.6:  
58-59 N-D '53. (MLRA 6:11)  
(Oxygen)

YUSHCHENKO, Ye.L. [Iushchenko, K.L.]; KOSTYUCHENKO, Ye.L. [Kostiuchenko, O.I.]

Algorithm for converting the recording of the bracket form of  
formulas to Lukashevych's bracketless form. Zbir. prats' z  
obchys. mat. i tekh. 3:84-89 #61. (MIRA 15:2)

(Translating machines)

(Information theory)

(Electronic calculating machines)



A possible mathematical model of ...

S/194/62/000/006/012/232  
D222/D309

taking into account the foaming process, leads to more complicated expressions than the empirical formulae arising from the processing of melting data according to the rules of variational statistics. This complexity is, however, compensated by the fact that it becomes possible to consider, in a theoretically established way, the interaction of variables in the chemistry and kinetics of the process without the need to reexamine the mathematical model after every accidental or intentional change in the conditions of production. 6 references. [Abstracter's note: Complete translation.]

Card 2/2

S/194/62/000/006/012/232  
D222/D309

AUTHOR: Kostyuchenko, Ye.B.

TITLE: A possible mathematical model of steel melting  
technology

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,  
no. 6, 1962, abstract 6-1-116 s (Tr. Kharkovsk. inzh.-  
ekon. in-ta, 1961, 11, 43-48)

TEXT: It is remarked that the mathematical model of the process,  
constructed according to the rating data on melting in furnaces of  
a certain tonnage, is valid only for such an organization of manu-  
facture as the one existing at the instant when the ratings are  
established. It is indicated that the mathematical model of steel  
melting technology is of importance not only for ultra-rapid pro-  
cesses, but that it makes it possible to separate out from general  
empirical relationships the influence of the organization of the  
industry on the duration of the processes in relatively slow furna-  
ces. The mathematical model of steel melting technology based on  
the additivity of slag properties and on the theory of similarity,  
Card 1/2

## Conditions for the Ultrahigh-Speed (Cont.)

SOV/5428

the ion theory of slags. The purpose of the report is to show that it is possible to take advantage of ultrahigh-speed processes in modern steelmaking practices. Advanced steelmaking methods and the experience gained in applying them were discussed at the All-Union Conference of Steelmakers, held at Stalino in 1960. The author believes that the present publication of the results of his work will contribute to the improvement of steel-manufacturing processes and will help to introduce the method developed by A. S. Tochinskiy. There are 84 references, mostly Soviet.

## TABLE OF CONTENTS:

From the Author	3
I. Chemistry of the Ultrahigh-Speed Dephosphorization of Metal by Slag	5
1. Quantity of slag and the procedure for preparing it for dephosphorization of metal	7
2. Temperature of metal and slag prior to ultrahigh-speed reaction	18
3. Calculated oxygen content in metal after dephosphorization by slag of a selected composition	20

Card 2/3

PHASE I BOOK EXPLOITATION

SOV/5428

Kostyuchenko, Yevgeniy Borisovich

Usloviya sverkhskorostnogo obesfosforivaniya metalla shlakom (Conditions for the Ultrahigh-Speed Dephosphorization of Metals by Slag) Khar'kov, Izd-vo Khar'kovskogo univ., 1960. 107 p. 5,000 copies printed.

Sponsoring Agencies: Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya UkrSSR. Khar'kovskiy inzhenerno-ekonomicheskii institut.

Resp. Ed.: K. A. Shtets, Docent; Ed.: I. L. Bazilyanskaya; Tech. Ed.: A. S. Trofimenko.

PURPOSE: This book is intended for promoters of rapid metallurgical processes, innovators, engineers, scientific research workers, and students.

COVERAGE: The book is the third in a series devoted to the study of ultrahigh-speed steelmaking processes. Problems in physical chemistry and the kinetics of ultrahigh-speed steelmaking processes are discussed. Theoretical data on the ultrahigh-speed dephosphorization of metal were verified on the basis of

Card 1/3

The image shows a microfilm frame with a document page. The page has a title, an abstract, and classification markings. The title is 'Further Comments on Slag Control During the Open-Hearth Melting Process. E. Kostyuchenko. (Stal, 1937, No. 12, pp. 6-7)'. The abstract is '(In Russian). The author briefly criticises some of the conclusions arrived at by L. Vladimirov in his study of the effect of the slag on the output capacity of the open-hearth furnace (see preceding abstract). Vladimirov, it is pointed out, tends to exaggerate the importance of the thickness of the layer of slag as a controlling factor of the heat-absorptive capacity of the furnace charge, while overlooking the part played by variations in the actual amount of heat supplied.' The document is classified under 'ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION'. The frame also shows 'COMMON ELEMENTS' and 'COMMON VARIABLES INDEX' on the left and right sides, and '1ST AND 2ND ORDERS' at the top and bottom.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

S

7

**Further Comments on Slag Control During the Open-Hearth Melting Process. E. Kostyuchenko. (Stal, 1937, No. 12, pp. 6-7)**

(In Russian). The author briefly criticises some of the conclusions arrived at by L. Vladimirov in his study of the effect of the slag on the output capacity of the open-hearth furnace (see preceding abstract). Vladimirov, it is pointed out, tends to exaggerate the importance of the thickness of the layer of slag as a controlling factor of the heat-absorptive capacity of the furnace charge, while overlooking the part played by variations in the actual amount of heat supplied.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

COMMON ELEMENTS

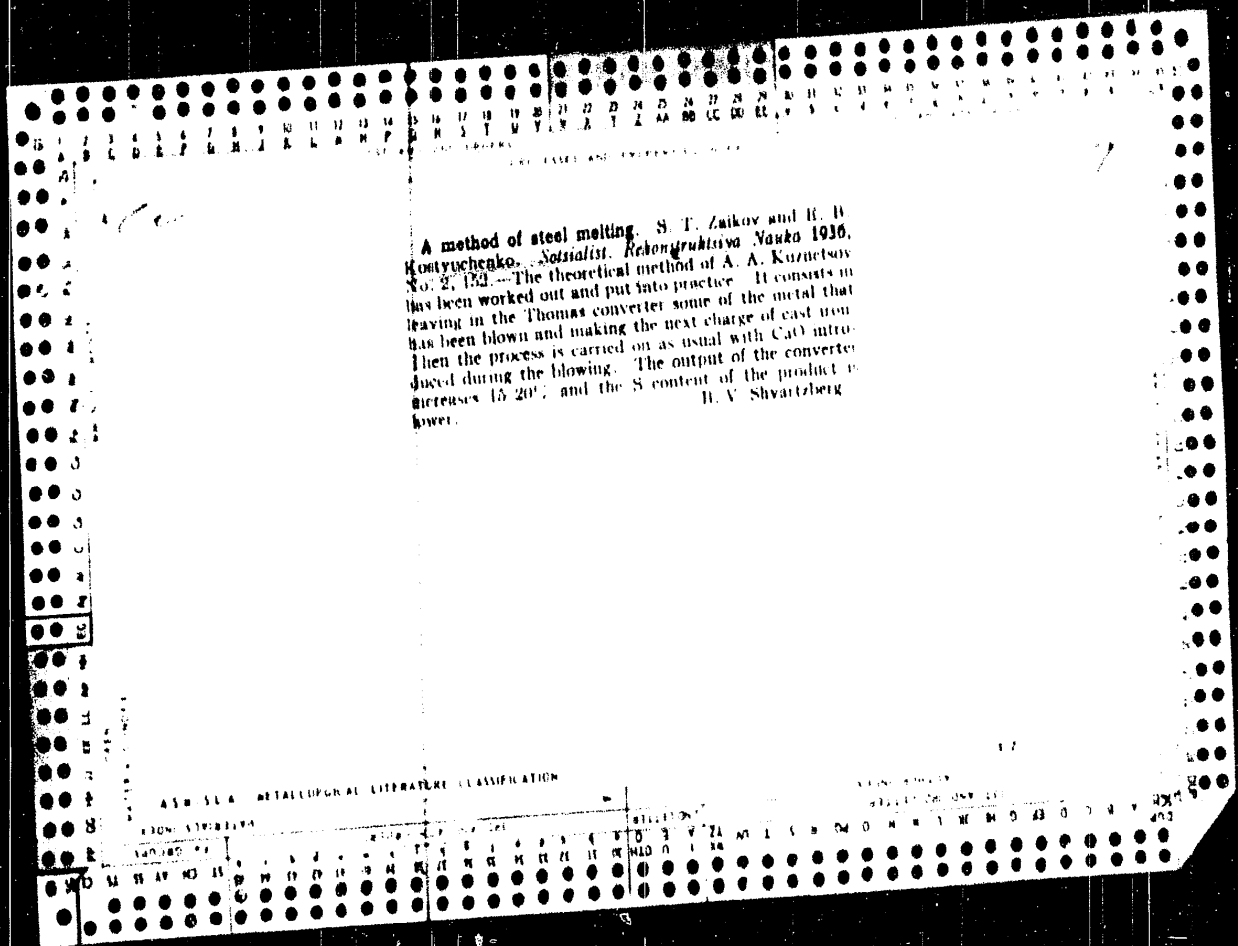
COMMON VARIABLES INDEX

1ST AND 2ND ORDERS

AUTHOR INDEX

1ST AND 2ND ORDERS

1ST AND 2ND ORDERS



KOSTIUCHENKO, E. B.

Kostiuchenko, E. B. Method of metal enrichment of slag on a physical and colloid chemical base Metod inzh. A. S. Tochinskogo, Khar'kov, Gos nauchno-tekhni-cheskoe izd-vo Ukrainy, 1935.

185 p.





KOSTYUCHENKO, V.P.

At the Scientific Council for the Study of the Theoretical  
Bases of Soil Science. Pochvovedenie no. 7:113-116 31 '65  
(MIRA 19:1)

RABOCHEV, I.S.; LAVROV, A.P.; PALETSKAYA, L.N.; TRAPEZNIKOV, F.F.;  
KOSTYUCHENKO, V.P.; NOSOV, A.K.; SEMERGEY, K.N.

Grigori' Il'ich Delenko, 1886-1864; an obituary. Izv. AN Turk.SSR.  
Ser.biol. nauk no.2:99-100 '65. (MIRA 18:5)

OVSIIENKO, D. Ye.; KOSTYUCHENKO, V. P.

Supercooling of chromium. Sbor. nauch. rab. Inst. metallofiz.  
AN URSR no. 13:167-169 '61. (MIRA 14:12)  
(Chromium) (Supercooling)

KOSTYUCHENKO, V.P.

Results of a soil survey for the eastern part of the Transunguz  
Kara-Kum based on visual observations from the air. Izv. AN Turk.  
SSR no.2:19-25 '59. (MIRA 12:6)

1. Turkmenskiy nauchno-issledovatel'skiy institut zemledeliya.  
(Kara-Kum---Soils)

KOSTYUCHENKO, V.P.

~~\_\_\_\_\_~~  
Irrigated Sierozems of the Tashkent Oasis. Trudy Pochv. inst. 52:  
249-302 '57. (MIRA 10:8)

(Tashkent Province--Sierozem soils)

*Kostyuchenko, V.P.*

LAVROV, A.P.; KOSTYUCHENKO, V.P.

~~\_\_\_\_\_~~  
Distribution and origin of small depressions. Izv.AN Turk.  
SSR no.2:64-69 '57. (MLRA 10:5)

1. Turkmenskiy nauchno-issledovatel'skiy institut zemledeliya.  
(Turkmenistan--Physical geography)

LAVROV, A. P., AND KOSTYUCHENKO, V. P.

Genesis of Clayey Semibushy Mounds in the Near Balkhansk Region

The region of wide-spread semibushy clayey mounds or hillocks (locally called "tumnek") in the near Balkhash region, western Turkmenia, is coordinated geologically with the delta portion of the drying Oboy-Chay River, and with the regions of inundations and stagnating waters. The connection of the morphology of mounds with the exposure of slopes relatives to wind direction and the aeolic character of the structure of individual horizons of a profile section indicate the principal role of wind in the transport and deposition of clayey material. The presence of erosional trenches and silt interstratifications testify to the influence of intermittent water currents also on the formation of mounds. The mounds are ancient formations and presently are being leveled and degraded. (RZhGeol, No. 5, 1955)  
Isz. AN Turkm. SSR, No. 2, 1954, 17-25.

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

KOSTYUCHENKO, V. P.

"Irrigated Gray Desert Soil Sierozem of the Tashkent Oasis." Cand Agr Sci, Soil Inst, Acad Sci USSR, 17 Feb 1954. Dissertation (Vechernyaya Moskva Moscow, 2 Feb 54)

SO: SUM 186 19 Aug 1954



35135

S/601/61/000/013/017/017  
D207/D302

18.1235

AUTHORS: Ovsiyenko, D. Ye. and Kostvuchenko, V. P.

TITLE: The supercooling of chromium

SOURCE: Akademiya nauk Ukrayins'koyi RSR. Instytut metalofyzyky. Sbornik nauchnykh robot, no. 13, 1961. Voprosy fiziki metallov i metallovedeniya, 167-169

TEXT: The authors studied supercooling of chromium in an atmosphere of purified hydrogen. The technique was the same as in the authors' earlier work on iron. Small molten drops, 1 - 2 mm in diameter, of chromium containing 0.003% O, 0.0002% H, 0.006% N, 0.08% Fe and 0.05% Si were placed on a BeO plate. The temperature was measured with a W-Mo-Al thermocouple ЦНИИЧМ-1 (TsNIICHM-1) in contact with chromium. Chromium was found to solidify at temperatures of 80 - 120°C below the melting-point; some drops crystallized 200°C below the melting-point. Scatter of these temperature intervals was due to impurities: traces of nitrogen and

Card 1/2

X

OVSIIENKO, D.Ye.; KOSTYUCHENKO, V.P.

Effect of oxides on the crystallization of iron and of some of its  
alloys. *Sobr. nauch. rab. Inst. metallofiz. AN URSS* no.10:130-143  
'59. (MIRA 13:9)

(Iron--Metallography)

(Crystallization)

ZACNEGIN, V.L. (Moskva); KOZACHENKO, L.S. (Moskva); KOSTYUCHENKO, V.N.  
(Moskva)

Experimental investigation of the development of a gas bubble and  
crown in underwater explosions. PMTF no.2:120-124 J1-Ag 60.

(MIRA 14:6)

(Underwater explosions)

KOSTIUCHENKO, V.N. (Moskva); SIMONOV, N.N. (Moskva)

Experimental study of a shock wave in air following an underwater  
explosion in a shallow reservoir. PMTF no.1:135-137 My-Je '60.  
(MIRA 14:8)

(Underwater explosions) (Shock waves)

KOSTYUCHENKO, V. M.

606 Moy opyt skorosrnoogo vozhdeniya tyazhelovesnykh poyozdov. (12 lektsii stanch. mashinisra depo stantii im. T. Sheuchenko...) Zapiski i obrabot. A. Kolchuyets i DR.). Odessa. 1954 13s s graf. 21sm. (seksiya zh - d. transporta Odes. otd. niya 0-va po rasprostraneniya. polir. i nauch. znaniy. Dor. tekhniki i sluzhba. lokomotivnogo khozyaystva odes. - Kishinevskoy zh. D. ). 700 ekz. B. rs. - (54-546597)p 621.137.2 sr.

SO: Knizhnaya Letopis', Vol 1, 1955

KARPOVA, Ye.V., prof.; KOSTYUCHENKO, V.I., aspirant.

Experience in reducing the endemic goiter rate in some  
populated places in Yaroslavl Province. Gig. sanit. 28  
no.2:70-74 '63 (MIRA 17:2)

1. Iz gospi'tal'noy khirurgicheskoy kliniki Yarovskogo  
meditsinskogo instituta.

VATKIN, Ya.L., doktor tekhn. nauk; BERDYANSKIY, M.G., inzh.; BRODSKIY, I.I., inzh.; DOL'NIK, T.I., inzh.; KOSTYUCHENKO, Y.I., inzh.; TOLDAYEV, A.S. inzh.

Regulator of the longitudinal wall thickness variation in pipe. Stal' 24 no.9:832-833 S '64. (MIRA 17:10)

I. Dnepropetrovskiy metallurgicheskiy institut i Tsentral'naya laboratoriya avtomatizatsii i mekhanizatsii Priднепров'ногo совета narodnogo khozyaystva.

KOSTYUCHENKO, V.A.

Biology and commercial status of sturgeons in the Sea of Azov before regulation of river runoff. Trudy VNIRO 31 no.2:174-187 '55.

(MLRA 9:8)

1. Azovsko-Chernomorskiy nauchno-issledovatel'skiy institut rybnogo khozyaystva i okeanografii.

(Azov, Sea of--Sturgeons)



KOSTYUCHENKO, V.A.

Nutrition of sprats and utilization of the food supply of the Sea of  
Azov by them. Trudy VNIRO 31:378-391 '55. (MIRA 11:6)

1. Azovo-Chernomorskiy nauchnyy institut rybnogo khozyaystva.  
(Azov, Sea of--Sprats) (Fishes--Food)

MAKARA, A.M.; ROSENDZ, H.A.; SIDORITS, N.M.; KOSTYUCHENKO, V.A.

Method of centrifugal casting of a metal shell of a turbine  
a thickness of 32mm. *Arkhivirovanie*, 1989, No. 1, p. 104-105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

125-58-5-11/13

Automatic Welding Under Flux of "L62" and "LO62-1" Brass

ASSOCIATION: Sumskoy zavod imeni Frunze (Sumy Plant imeni Frunze)

SUBMITTED: January 9, 1957

AVAILABLE: Library of Congress

Card 2/2

*KOSTYUCHENKO, V.A.*

AUTHORS: Besednyy, V.A., and Kostyuchenko, V.A. 125-58-5-11/13

TITLE: Automatic Welding Under Flux of "L62" and "LO62-1" Brass.  
(Avtomaticheskaya svarka pod flyusom latuni marok L62 i LO62-1)

PERIODICAL: Avtomaticheskaya Svarka, 1958, Nr 5, pp 86-88 (USSR)

ABSTRACT: A new, automated technology used at the Sumy Plant imeni Frunze is described. It has replaced the old method of gas welding using the filler material "LK62-0.5" which was unproductive and gave very poor appearance to welds. The welding tractor "TS-17M" was modified for the purpose (by replacing the wire container, with an open bobbin for copper wire and the common electrode holder with one for welding aluminum by aluminum wire). Copper wire was used as electrode wire. The best fluxes proved "MATI-53" and "ANF-5". "MATI-53" consists of 77% "OSTs-45" flux, 7.6% boric acid, and 15.4% soda ash; its production technology was previously described [Ref. 1]. The optimum way of automatically welding brass (with very stable welding process and good mechanical properties of the weld joints) is welding under flux "ANF-5" by copper wire alloyed by iron and manganese. There are 5 tables and 2 Soviet references.

Card 1/2

GUSHCHIN, V.N., veterinarnyy vrach; MATVEYEV, A.N., veterinarnyy vrach;  
KOSTYUCHENKO, S.P., veterinarnyy vrach

Effective method of treating mastitis in cows. Veterinariia 41 no.3:72  
Mr '64. (MIRA 18:1)

1. Podsobnoye khozyaystvo "Krasovo", Moskovskoy oblasti.

D 60980-05  
ACCESSION NR: AP6018175

ENCL. 01

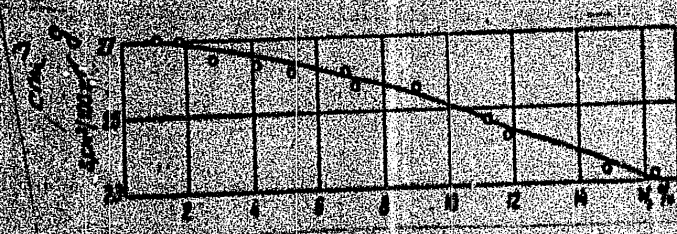


Fig. 1. Hydrogen solubility in iron-tungsten alloys as a function of tungsten content at 1650C.

Card  
3/3

L 60980-55

ACCESSION NR: AP5018175

Orig. art. has: 2 formulas and 3 figures.

ASSOCIATION: Ural'skiy politekhnicheskiy institut (Ural Polytechnic Institute)

SUBMITTED: 12Jan69

ENCL: 01

SUB CODE: MM

NO REF SOV: 008

OTHER: 000

Card 2/3

I 60986-65 EFP(c)/EWT(d)/EWT(m)/EWP(k)/EWP(h)/EWP(b)/EWA(d)/EWR(v)/EWP(t) PR-10  
 P-1 D/P(c) D/JO

ACCESSION NR: AP6018176

UR/0148/65/000/007/0043/0045  
 669.15-194.669.27:669.789:641.8

AUTHOR: Kurochkin, K. T.; Baum, B. A.; Kostynchenko, R. P.

TITLE: Solubility of hydrogen in iron-tungsten alloys

SOURCE: IVUZ. Chernaya metallurgiya, no. 7, 1965, 43-45

TOPIC TAGS: hydrogen solubility, tungsten alloy, iron alloy, tungsten steel

ABSTRACT: The possible influence of tungsten in steel alloys on the solubility of gases is not yet known. Consequently, the author studied the influence of W on the solubility of hydrogen in iron. The iron tested contained 0.028% C, 0.16% Si, 0.006% Mn, 0.026% S, 0.19% Cu, 0.05% Cr, and 0.15% Ni. The basic result of the experiment is shown in Fig. 1 of the Enclosure. The article also describes briefly the device for the determination of hydrogen solubility and presents results concerning the influence of temperature (between 1550 and 1850C) on the hydrogen solubility in iron-tungsten alloys. For the alloy with 1.13% W, this effect can be expressed by the formula:

$$\log S = - \frac{3670}{T} + 3.32$$

Card 1/3



KUROCHKIN, K.T.; BAUM, B.A.; KOSTYUCHENKO, R.P.

Correlation between the actual and equilibrium concentrations of hydrogen in steel during the open-heart process. Izv. vys. ucheb. zav.; chem. met. no.2:25-31 '60. (MIRA 15:5)

1. Ural'skiy politekhnicheskiy institut.  
(Steel hydrogen content)  
(Vapor-liquid equilibrium)

KOSTYUCHENKO, R.A.; NAZARENKO, V.V.

Rapana in the Sea of Azov. Priroda 49 no. 12:107-109 D '60.  
(MIRA 13:12)

1. Azovochnomorskaya rybopromyslovaya razvedka, Kerch'.  
(Azov, Sea of--Gastropoda)

KOSTYUCHENKO, R.A.

Changes in the stock of Azov Sardine *Clupeonella delicatula* d.  
(Nordmann) following regulation of river runoff. Trudy VNIRO 31  
no.2:188-195 '55. (MLRA 9:8)

1. Azovsko-Chernomorskiy nauchno-issledovatel'skiy institut rybnogo  
khozyaystva i okeanografii.  
(Azov, Sea of--Sardines)

KOMYUCHENKO, R. A.

Petrels - Black Sea Region

Small stormy petrel on the Black Sea. Priroda 41 no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November <sup>2</sup> ~~1953~~<sup>X</sup>, Unclassified.

KOSTYUGHENKO, P.

Achievements of Tyumen' transport workers. Avt. transp. 35 no. 5:38  
My '57. (MIRA 10:6)  
(Tyumen' Province--Transportation, Automotive)

OLESHKO, V.P., inzh.; KOSTYUCHENKO, N.Ye.; KOROVIN, P.A.

Mechanical unloader designed by Korovin. Masl.-zhir.prom. 26  
no.7:40-42 J1 60. (MIRA 13:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for  
Oleshko, Kostyuchenko). 2. Shebekinskiy kombinat sinteticheskikh  
zhirnykh kislot i moyushchikh sredstv (for Korovin).  
(Oil industries--Equipment and supplies)  
(Loading and unloading)

OLESHKO, V.P., inzh.; KOSTYUCHENKO, N.E.

Mechanical unloading of salt from railroad cars. Masl.-zhir.  
prom. 26 no.1:20-23 Ja '60. (MIRA 13:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhиров.  
(Leningrad--soap industry--Equipment and supplies)

SMIRNOV, G.M.; IVANOV, A.A.; BOCHAROV, V.A.; KOSTYUCHENKO, N.T.;  
MEDYNSKIY, A.F.; MISHCHENKO, V.P.; TANCHIK, Y.S.M.

Welded ladle for pouring steel. Met. i gornorud. prom. no. 2:  
65 Mr-Ap '64. (MIRA 17:9)



*KOSTYUCHENKO, N.T.*

IVANUSHKIN, P.F.; SOKOLOV, L.N.; ANDRYUSHCHENKO, P.P.; KIRITSEV, A.D.;  
KOSTYUCHENKO, N.T.

Ratio of the cross-sectional area of forged metal to that of the  
original blank following alternate deformation in different directions.  
Kuz.-shtam. proizv. 1 no.9:9-10 S '59. (MIRA 12:12)  
(Forging)

KOSTYUCHENKO, N.T., Enzh.; HIRSHCHENKO, V.P., Inzh.; SHIBOVA, G.M., kand.  
tekhn. nauk

Measuring temperatures of the outside surfaces of an operating  
machine with electronic thermometers. Ger. amar. no.9:73 S '65.  
(MIRA 18:9)

SMIRNOV G.M.; KOSYUCHENKO, H.I.,

Experimental determination of stresses in bearing metal parts  
of looms. Izv. vys. shkoly. Tekhn. nauch. prom. seriya 1955. 165.  
(MIRA 1955)

J. Zhdanovskiy metallurgicheskiy institut,

SMIRNOV, G.M.; KOSTYUCHENKO, N.T.

Experimental determining of the stresses in the work of shuttle  
protector mechanisms on metallic cloth looms. Izv. vya. ucheb.  
zav.; tekhn. teks. prom. no.6:68-69 '65. (MIRA 19:1)

1. Zhdanovskiy metallurgicheskiy institut. Submitted May 25, 1965.

SMIRNOV, G.M. [Smirnov, H.M.], kand. tekhn. nauk; KOSTYUCHENKO, N.T.  
[Kostiuchenko, M.T.]

Tension of warp glass fibers on the looms. Leh.prom.  
no. 1:57-59 Ja-Mr '64. (MIRA 19:1)

IVANOV, A.A.; OBODOVSKIY, B.A.; SMIRNOV, G.M.; BOCHAROV, V.A.; KOSTYUCHENKO,  
N.I.; LYUBOV, V.A.; MANOV, V.M.; MEDYNSKIY, A.F.; MISHCHENKO, V.P.;  
FURSA, I.G.

Investigating 350- and 480-ton welded steel-pouring ladles.  
Izv.vys.ucheb.zav.; chern. met. 8 no.4:220-223 '65.

(MIRA 18:4)

1. Zhdanovskiy metallurgicheskiy institut.

SMIRNOV, G.M., kand.tekhn.nauk; IVANOV, A.A., kand.tekhn.nauk; MAN'V, V.M.,  
inzh.; MISHCHENKO, V.P., inzh.; KOSTYUCHENKO, N.T., inzh., PURSA, I.G.,  
inzh.

Measuring external surface temperatures of a large-capacity converter  
and converter ladle. Stal' 25 no.5:496 My '65. (SIRA 18:6)

KOSTYUCHENKO, N. A

Volunteer women's crews in fire fighting. Pozh.delo 6:27 Mr  
'60. (MIRA 13:6)

1. Druzhinnik koksokhimicheskogo zavoda, Khar'kov.  
(Kharkov--Chemical industry--Fires and fire prevention)



86-12-4/29

### The Ground Controller's Estimation by Eye in Vectoring the Fighters to the Aerial Targets

A knowledge of the dimensions of the squares in the map grid makes the vectoring much easier. After acquiring some experience in estimating the ranges by eye, the controller can proceed with the mental calculation of the target speed. Various methods are used here, but the author describes only those used by his unit. Gaps, however, are possible, while plotting the target and the fighters. It occurs frequently after a turn is made by an airplane. In the author's unit, all the controllers plot the route of the target and of the fighters under no-wind condition. In this, timing is of special importance, thus all the data plotted on the board should correspond to a definite chronology of time. Under the conditions of enemy radar interferences (countermeasures), the position of a friendly fighter may be quickly estimated by eye with the help of navigational aids, such as two radio direction finders, true course, relative bearing of ground radio stations, radar interrogators, etc. In this case, the degree of error depends upon the controller's skill and the accuracy of data received. For this reason,

Card 3/4

86-12-4/29

The Ground Controller's Estimation by Eye in Vectoring the Fighters  
to the Aerial Targets

distance (range) and the time. The distance can be determined by the radar fixes and the time by the number of radar antenna revolutions. The author cites here some practical examples in order to show how the methods are used. Many controllers have acquired the habit of using the azimuth lines in determining the course of targets either on the plotting board or on the plan position indicator. When approaching, the range between the target and the fighter is determined by the controller, as a rule, by eye. To shift from the plotting board to the vectoring with the help of the plan position indicator, the controllers are trained to estimate the range by eye on the maps of various scale, after they had been instructed how to determine the size of the **sectors** in centimeters. In addition, the controllers in the author's unit use the already known sectors and compare them with the unknown ones. To do this, they made a preliminary study of the ranges and the bearings of the basic check points in the area of flights.

Card 2/4

KOSTYUCHENKO, N. A.

86-12-4/29

AUTHOR: Kostyuchenko N.A., Sen Lt

TITLE: The Ground Controller's Estimation by Eye in Vectoring the Fighters to the Aerial Targets (Shturmanskiy glazomer pri navedenii istrebiteley na vozdushnyye tseli)

PERIODICAL: Vestnik Vozdushnogo Flota, 1957, Nr 12, pp 17-24, (USSR)

ABSTRACT: At the present time, the combat situation in the air changes very rapidly. Therefore, during interception operations the ground controllers at the command posts should perform their computations as accurately and as quickly as possible and the fighters should be vectored into a tactically favorable position for attack within the shortest time possible. The slightest delay in changing the preselected course may disrupt the whole interception operation. The author stresses that despite the very high level of modern technology the visual estimation (by eye) of the air situation displayed on the radar plan position indicator at the command post has not yet lost its importance in interception operations controlled from the ground. The initial data for determining the speed taken from the plan position indicator are the

Card 1/4

GETMANETS, V.V., inzh.; KOSTYUCHENKO, M.I., inzh.; SATSKIY, V.A., inzh.;  
SINITSA, I.I., inzh.

New method of selecting a rolling technology on continuous shape  
mills. Stal' 23 no.10:921-923 0 '63. (MIRA 16:11)

1. Krivorozhskiy metallurgicheskiy zavod.

SATSKIY, V.A.; KOSTYUCHENKO, M.I.

Rolling angles on continuous small-shape mills. Metallurg 8 no.3:  
24-26 Mr '63. (MIRA 16:3)

1. Zamestitel' nachal'nika sortoprokatnogo tsekha Krivorozhskogo metallurgicheskogo zavoda (for Satskiy). 2. Starshiy master sortoprokatnogo tsekha Krivorozhskogo metallurgicheskogo zavoda (for Kostyuchenko).

(Rolling (Metalwork))

SATSKIY, V.; KOSTYUCHENKO, M.

Rolling of round sections on a continuous mill. Metallurg  
8 no.2:25-27 F '63. (MIRA 16:2)

1. Zamestitel' nachal'nika sortoprokatnogo tsekha  
Krivorozhskogo metallurgicheskogo zavoda (for Satskiy).
2. Starshiy master Krivorozhskogo metallurgicheskogo  
zavoda (for Kostyuchenko).  
(Rolling (Metalwork))

ROBERTSON, T. A.

ROBERTSON, T. A. - "Fertility of the Domestication of *L. arvensis* in a Desert."  
Min of Higher Education, North Carolina Agricultural and Mechanical College, 1943  
(Dissertation for Degree of Candidate of Agricultural Sciences)

CO: Kuichuaya Info. 1st. No. 26, June 1957, Letter

MEKLER, L.S., gornyy inzh.; SHURYGIN, A.I., gornyy inzh.; KOSTYUCHENKO,  
L.M., gornyy inzh.; NAGAYEVA, N.G., gornyy tekhnik

Efficient types of supports in the Degtyarka copper mine.  
Gor. zhur. no.8:33-36 Ag '64. (MIRA 17:10)

1. Degtyarskiy mednyy rudnik.



BELYKH, K.D.; kand. tekhn. nauk (Dneprodzerzhinsk); TLEUGABYLOV, Zh.Kh. (Rudnyy); KOSTYUCHENKO, K.I. (Rudnyy); SOLENTSOV, A.S. (Rudnyy); MEL'NICHENKO, A.I.; GLEYZEROV, A.V., inzh.-mekhanik; ZDOROVENKO, LP., mostovoy master

Cleaning tracks with jet snow plows. Put' i put. khoz. 9 no.1:34-36  
'65 (MIRA 18:2)

1. Dnepropetrovskiy metallurgicheskiy kombinat (for Belykh).
2. Nachal'nik konstruktorskogo otdela Sokolovsko-Sarbayskogo gornoobogatitel'nogo kombinata (for Treugabylova).
3. Starshiy inzh. Sokolovsko-Sarbayskogo gornoobogatitel'nogo kombinata (for Solentsov).
4. Nachal'nik Kiyevskoy distantsii puti (for Mel'nichenko).
5. Kiyevskaya distantsiya puti (for Gleyzerov).
6. Nachal'nik otdela mekhanizatsii sluzhby puti Pribaltiyskoy dorogi, Riga (for Tershovskiy).
7. Darnitskaya distantsiya puti Yugo-Zapadnoy dorogi (for Zdorovenk).

KOSTYUCHENKO, K.A.; CHURAK, V.L.; GENINA, B.A.

Furniture manufactured from bent and glued subassemblies. Der.prom.  
11 no.2:22-23 F '62. (MIRA 15:1)

1. Tsentral'nyy nauchno-issledovatel'skiy institut fanery i mebeli.  
(Furniture)

KOSTYUCHENKO, K.A.

Furniture drawers made from glued parts. Des.prom. no. 10.10.80  
D '61. (MIRA 17, 12)

1. Tsentral'nyy nauchno-issledovatel'skiy institut fanery i  
mebeli.  
(Cabinetwork)

ACC NR: AP6032538

SOURCE CODE: UR/0413/66/000/017/0149/0149

INVENTOR: Brant, A. A. Kostyuchenko, K. A.; Lebedev, G. P.; Zharov, V. M.

ORG: none

TITLE: A method of fastening fillers to plastic paneling of two- and three-layered marine gear and equipment structures. Class 65, No. 185716

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 17, 1966, 149

TOPIC TAGS: <sup>mechanical</sup> fastener, ~~aluminum panels, marine~~ <sup>shipbuilding</sup> engineering, filler, plastic product

ABSTRACT: This Author Certificate introduces a method of fastening fillers to plastic paneling of two- and three-layered marine gear and equipment structures by means of plastic plugs inserted between the panels. For greater holding power and more esthetic appearance of the assembly, the seats for the fasteners are formed by making cylindrical channels between the panel layers with diameters larger than the opening in the panel. An adjuster crew is inserted into the channel and the space around it is filled with a solidifier which forms a threaded sleeve for the fastener when the adjuster screw is screwed out. Orig. art. has: 1 figure.

SUB CODE: 13// SUBM DATE: 21Jun65/

Card 1/1

UDC: 629.12.011.28. 002.29:629.12.01

*Kostyuchenko, G.*

AUTHOR: Kostyuchenko, G., Chief of Aeroclub (Kuybyshev) 85-52-6-9/43  
TITLE: Model Airplanes in the Air (V vozdukhie aviamodeli)  
PERIODICAL: Kryl'ya rodiny, 1958, Nr 6, p 3 (USSR)  
ABSTRACT: The author states that city contests in free and cord-driven model plane flights were held in Kuybyshev throughout the past winter in anticipation of the All-Union Spartacus Games.  
ASSOCIATION: Kuybyshevskiy aeroklub (Kuybyshev Aeroclub)  
1. Airplanes--Model building

Card 1/1

GREBENNIKOV, L.S.; KOSTYUCHENKO, E.V.

Filtration of rock-fill dams on the Shamsi and Alamedin Rivers.  
Izv.AN Kir. SSR. Ser. est. 1 tekhn. nauk 5 no.3:103-114 '63.

(MIRA 16:11)

ARTAMONOV, K.F. ; KOSTYUCHENKO, E.V.; KRISHKIN, A.N.; LOPATIN, A.S.

Experiment with filtering rock-fill dams in Kirghizistan. Izv.  
AN Kir. SSR. Ser. est. i tekhn. nauk 5 no.3:79-101 '63.

KOSTYUCHENKO, E.V.; KROSHKIN, A.N.

Brief information about some natural fill in the mountain rivers  
of Kirghizistan. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 5 no.3:  
119-128 '63. (MIRA 16:11)



KOSTYUCHENKO, E.V.

Some aspects of the design of sedimentation tanks with periodic washing out for the intake of water from mountain rivers. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no.5:27-36 '62,  
(MIRA 16:4)

(Intakes(Hydraulic engineering))

KABAKOV, M.M., kand. tekhn. nauk; NAZAROV, M.I., kand. tekhn. nauk;  
ZHAROVA, K.A., nauchnyy sotr.; KAPLINSKIY, M.I., kand. tekhn.  
nauk; ARTAMONOV, K.F., kand. tekhn.nauk; RAMAZAN, M.S., kand.  
tekhn. nauk; KOSTYUCHENKO, E.V., kand. tekhn. nauk; TESLENKO,  
V.G., nauchnyy sotr.; TERESHCHENKO, V.S., nauch.sotr.; TALMAZA, V.F.;  
LEVITUS, B.I., red. izd-va; ANOKHINA, M.G., ter.

[Field investigation of irrigation systems]Proizvodstvennye  
issledovaniia na orositel'nykh sistemakh. Frunze, Izd-vo AN  
Kirgizskoi SSR, 1961. 302 p. (MIRA 15:9)

1. Akademiya nauk Kirgizskoy SSR, Frunze. Institut energetiki  
i vodnogo khozyaystva.

(Kirghizistan--Irrigation)

ARTAMONOV, K.F.; KOSTYUCHENKO, E.V.; BAYBEKOV, N.A.

Results of investigating the formation of the forebay and the  
afterbay of the western branch intake of the Great Chu Canal.  
Trudy Inst. vod. khoz. i energ. AN Kir. SSR no.6:133-154, '59.  
(MIRA 15:5)

(Great Chu Canal--Hydraulic structures)