

GALITSKIY, B.A.

Treating building masonry. B. A. Galitskiy and G. F. Samokhin. U.S.S.R. 107,174, Aug. 20, 1957. In order to increase the heat and cold resistance of building stones and similar materials, they are seeped in a bath of hot petroleum to which is added 3-20% by wt of resin or its ester.

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GALITSKIY, B. A.

"Locating Pipe Defects with an Electromagnetic Defectoscope," Stanki I Instrument, 16,
No. 6, 1945

BR-52059019

GALITSKIY, B.A.

Ustroistvo, rabota i obsluzhivanie gidravlicheskogo oborudovaniia chaeprossovochynkh fabrik. Uchebn. posobie dlia kruzhkov tekhnimuma. Moskva, Pishchepromizdat, 1939. 102 p. illus.

Working principles, performance and maintenance of the hydraulic equipment in tea-pressing factories.)

DLC: TP650.G3

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

GALITSKIĬ, B. A. AND B. I. BELIAKOV

Tekhnologiia kompressorostroeniia. Moskva, Mashgiz, 1949. 367 p. illus.

Technology of compressor construction.

DLC: TJ990.B45

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

GALITSKIY, B. A.

Technology of compressor construction

2. izd. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1952.

317 p. (53-16780)

TJ990.B45 1952

GALITSKIY, B.A., inzh.; ABELEV, M.M., inzh.

System of universal sectional jig attachments. Sbor.st. NIKHIMMASH
no.33:3-23 '60. (MIRA 15:5)
(Chemical engineering--Equipment and supplies)

GALITSKIY, B.A.

82097
S/184/60/000/03/07/010

25.1000

AUTHORS: Abelev, M.M., Galitskiy, B.A., Konovalov, A.R., Engineers

TITLE: The Manufacture of Double-Pipe Coils

PERIODICAL: Khimicheskoye mashinostroyeniye, 1960, No. 3, pp. 31 - 33

TEXT: The development of experimental equipment at NIIKhIMMASH necessitated the manufacture of double-pipe coils of 320-520 mm diameter from heat- and acid-proof steel tubes. After bending, the ovality of the pipes must not exceed 50% of the tolerance for the outer pipe diameter. The space between pipes of a finished coil must not be less than 0.7 mm. The liquid flow in a double-pipe coil must be at least 120 l/h between the pipes and not less than 220 l/h through a pipe of 10 mm diameter at 2.5 kg/cm² input pressure. To fix the inner pipe in respect to the outer pipe, the outside pipe wall is indented by heated steel balls at experimentally predetermined distances. The coils are manufactured using the following method: the inner surface of the outer 16 mm pipe and the inner and outer surfaces of the 10 mm pipe are cleaned by washing in aviation gasoline. For degreasing the pipes are placed for 4-5 hours into boiling electrolyte, consisting of 1% trisodium phosphate and 0.3% of the "оп -7"

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PHASE I BOOK EXPLOITATION

SOV/5558

Galitskiy, Boris Akimovich, and Boris Ivanovich Belyakov

Tekhnologiya kompressorostroyeniya (Manufacturing Processes in Compressor Construction) 3rd ed., rev. and enl. Moscow, Mashgiz, 1961. 525 p. Errata slip inserted. 10,000 copies printed.

Reviewer: P. G. Udyma, Engineer; Ed.: A. N. Vasilenko; Tech. Ed.: Z. I. Chernova; Managing Ed. for Literature on Chemical- and Textile-Machine Manufacture: V. I. Rybakova, Engineer.

PURPOSE: This book is intended for technical personnel in industrial enterprises, design bureaus, and scientific research institutes concerned with compressor manufacture and in enterprises employing compressor equipment. It may also be used as a textbook by students in mechanical engineering schools of higher education and tekhnikum.

COVERAGE: The characteristic features of the construction of compressors are stated with particular attention given to machining and assembly departments. The technical and engineering-economic specifications for process planning in compressor manufacture are reviewed. Manufacturing processes of basic com-
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Manufacturing Processes in Compressor Construction

SOV/5558

pressor parts are described, and compressor assembly methods are given. Chapters I, III, VI, VII, X, XII, and XVII were written by B. I. Belyakov, and Chapters II, IV, V, VIII, IX, XI, XIII, XIV, XV, and XVI were written by B. A. Galitskiy. No personalities are mentioned. There are no references.

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Ch. I. Classification of Compressors and Characteristics of Compressor Manufacture	5
Classification of compressors	5
Characteristics of compressor manufacture	29
Ch. II. Engineering-Economic Principles of Process Planning in Compressor Manufacture	33
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Labor spent in process development and designing of special equipment for the manufacture of compressors	35
Degree to which manufacturing processes should be implemented with special fixtures and tools as a function of the lot size of the compressors being manufactured	39
Production costs for compressors and cost-reduction methods	42

Card 2/9

ABELEV, M.N., inzh.; GALITSKIY, B.A.; SAMOCHATOV, I.M.

Centrifuge rotors with welded grate sieves and the technology of their
manufacture. Khim.mash. no.2:38-43 Mr-Ap '61. (MIRA 14:3)
(Centrifuges)

S/184/S2/000/006/006/008
D040/D112

AUTHORS: Abelev, M.M., Galitskiy, E.A., Kolosova, L.P., Engineers

TITLE: Design and fabrication technology of titanium rolls

PERIODICAL: Khimicheskoye mashinostroyeniye, no.6, 1962, 26-29

TEXT: NIIKHIMMASH has developed a design and fabrication technology for three kinds of hollow, all-titanium or titanium-coated steel rolls - the work roll and the sheeting roller of a COAA (SOAA) single-roll dryer, and the finishing cylinder of a continuous PHH-180M (PNSh-180I) machine used for producing viscose rayon. The rolls are described and illustrated in drawings and photographs. All fabrication stages are described in detail: the blanking of BT 1-1 (VT 1-1) sheet titanium, and the machining allowances; argon arc or automatic submerged-arc welding of the roll sections with the use of special AHT-1 (ANT-1) flux developed by the Institut elektrosvariki im. Ye.O.Patona (Electric Welding Institute im. Ye.O. Paton); threading of holes in the end faces of the rolls, including details on the geometry of the taps and the cutting fluid used in tapping;

Card 1/2

Design and fabrication technology ... S/184/62/000/006/006/008
DO40/D112

fine turning with high speed and low feed and cutting depth, including details of the carbide-tipped lathe tool geometry, the tip material giving the best surface finish, and the cutting fluid for turning. The results of the experiments were checked under shop conditions. There are 6 figures and 1 table.

Card 2/2

BORISOGLEBSKIY, B.N., kand. tekhn. nauk, red.; VINOGRADOV, Yu.M.,
kand. tekhn. nauk, red.; GALITSKIY, B.A., red.;
GORYAINOVA, A.V., kand. tekhn. nauk, red.; ZHEREBTSOV,
A.N., red.; KORETSKIY, I.M., red.; MAKAROVA, N.S., red.;
MORDOVSKIY, S.I., kand. tekhn. nauk; SALAMATOV, I.I.,
doktor tekhn. nauk; SHVARTS, G.L., kand. tekhn. nauk,
red.; YUKALOV, I.N., kand. tekhn. nauk, red.; YUSOVA, G.N.,
kand. tekhn. nauk, red.; VASIL'YEVA, G.N., red.

[Manufacture of filters in the U.S.S.R.; collection of reports at the united session of the scientific and technical councils of the All-Union Scientific Research Institute of Chemical Machinery, the Ukrainian Scientific Research Institute of Chemical Machinery and the technical council of the Ural Chemical Machinery Plant] Fil'trostroenie v SSSR; sbornik dokladov na ob"edinennoi sessii nauchno-tekhnicheskikh sovetov Niikhimmasha, Ukrniikhimmasha i tekhnicheskogo soveta zavoda "Uralkhimmash." Moskva, Otdel nauchno-tekhn. informatsii, 1963. 107 p. (MIRA 17:12)

1. Nauchno-issledovatel'skiy institut khimicheskogo mashinostroyeniya (for Borisoglebskiy, Mordovski).

AM4020394

BOOK EXPLOITATION

S/0783

Galitskiy, B. A.; Abelev, M. M.; Kolosova, J. P.; Toropov, V. A.; Shevelkin, B. N.

Titanium and its alloys in the chemical engineering industry (Titan i ego splavy v khimicheskoy mashinostroyeni) Moscow, Mashgiz, 1963. 263 p. illus., biblio. 2500 copies printed. Reviewer: Domb, Yu. L.; Editor: Skvortsov, Ye. Ye. (Engineer); Deputy editor: Rybakova, V. I. (Engineer); Editor of the publishing house: Tairova, A. L.; Technical editors: El'kind, V. D.; Makarova, L. A.; Proofreader: Piryazov, P. A.

TOPIC TAGS: Titanium, titanium alloy, chemical engineering, machining of titanium, forming of titanium, welding of titanium

PURPOSE AND COVERAGE: This book was written for engineers and technicians at industrial establishments, design bureaus, and scientific-research institutes connected with the chemical engineering industry, as well as for engineers and technicians in industrial establishments utilizing chemical apparatus and equipment. It may be of use also as a study aid for students in machine-design courses and technicians. The construction of chemical equipment made of titanium is

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analyzed, and the special characteristics of the machining, forming, and welding of titanium and its low alloys utilized in the chemical engineering industry are outlined.

TABLE OF CONTENTS:

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Ch. I. Titanium and its alloys used in the chemical engineering industry - - 5

Ch. II. Designs of chemical apparatus and equipment made of titanium - - 39

Ch. III. Machining titanium and its alloys - - 106

Ch. IV. Forming titanium and its alloys - - 139

Ch. V. Welding titanium and its alloys - - 185

Ch. VI. Special equipment used in the manufacture of chemical apparatus - - 232

Literature - - 260

SUB CODE: MM, GC

SUBMITTED: 30Sep63

NR REF SOV: 043

OTHER: 016

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GALITSKIY, B.A., inzh.; MAZO, M.D., inzh.

Technological preparation of production is a decisive factor
in increasing the output and improving the quality of chemical
equipment. Khim. i nef. mashinostr.no.2:1-4 Ag '64
(MIRA 18:1)

ACC NR: AP7001230

(N)

SOURCE CODE: UR/0314/66/000/012/0011/0012

AUTHOR: Galitskiy, B. A. (Engineer); Belinkiy, A. L. (Candidate of technical sciences); Kolosova, L. P. (Engineer)

ORG: none

TITLE: Heat exchanger with titanium-clad steel tube plates

SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 12, 1966, 11-12

TOPIC TAGS: metal cladding, titanium clad steel plate, ~~clad steel plate~~ ^{TIG} welding, titanium welding, heat exchanger, metal tube, flat plate, titanium, steel, corrosion resistance

ABSTRACT: A heat-exchanger with VT1-1 titanium tubes and titanium-clad-steel tube plates has been designed and built by the All-Union Design Scientific Research Institute of Chemical Machinery. Titanium-clad steel plates were rolled on an experimental basis by the Izhorsk Plant im. A. A. Zhdanov, which is planning to produce clad plates up to 45 mm thick (cladding layer up to 7 mm), 800-1300 mm wide, and 1500-2800 mm long. Titanium tubes were joined to the cladding layer by manual TIG welding. Visual inspection and hydraulic tests (32 g/cm² pressure) of the welds did not reveal any defects. The welds were tested for corrosion resistance in 10% hydrochloric acid. It was found that the corrosion rate amounted to 0.0029 to 0.0023 mm/year, calculated on the basis of 190-600 hr tests. Orig. art. has: 2 figures.

SUB CODE: 13, 11/ SUBM DATE: none

Card 1/1

UDC: 66.045.1-419.4

MALITSKIY, B. D.

277bl. MALITSKIY, B. D. i MEKHENVA, V. I.--sravnitel'noye izucheniye shirokoprochnykh svoystv nekotorykh splavov sistem Al-Cu-Mg-Zn i Al-Cu-Mg-Mn. Trudy mosk. Aviats. Tekhnol. In-Ta, vyp. 7, 1949, S. 62-81. Bibliogr: 18 nazv.

SO: Letopis' Zhurnal'nykh Statey, vol. 37, 1949.

8711 11 11 7 10 42
TULYANKIN, F.V.; GALITSKIY, B.D.

Calculation of deformation rates in testing aluminum-alloy sheets
for tensile strength. Zav.lab.21 no.8:975-979 '55. (MLRA 8:11)
(Aluminum alloys--Testing)

GULYAYEV, G.I., kand.tekhn.nauk; YURGELENAS, V.A., kand.tekhn.nauk;
YEROKHIN, I.N., inzh.; GALITSKIY, B.N., inzh.; DERGACH, A.Ya.,
inzh.; KIRVALADZE, N.S., inzh.; KURILENKO, V.Kh., inzh.

Potentialities of pipe reduction in automatic pipe mills.
Met.i gornorud.prom. no.5:33-36 S-0 '62. (MIRA 16:1)

1. Ukrainskiy nauchno-issledovatel'skiy trubnyy institut i
Yuzhnotrubnyy zavod.

(Pipe mills)

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
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ DA DB DC DD DE DF DG DH DI DJ DK DL DM DN DO DP DQ DR DS DT DU DV DW DX DY DZ EA EB EC ED EE EF EG EH EI EJ EK EL EM EN EO EP EQ ER ES ET EU EV EW EX EY EZ FA FB FC FD FE FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY FZ GA GB GC GD GE GF GG GH GI GJ GK GL GM GN GO GP GQ GR GS GT GU GV GW GX GY GZ HA HB HC HD HE HF HG HH HI HJ HK HL HM HN HO HP HQ HR HS HT HU HV HW HX HY HZ IA IB IC ID IE IF IG IH II IJ IK IL IM IN IO IP IQ IR IS IT IU IV IW IX IY IZ JA JB JC JD JE JF JG JH JI JJ JK JL JM JN JO JP JQ JR JS JT JU JV JW JX JY JZ KA KB KC KD KE KF KG KH KI KJ KL KM KN KO KP KQ KR KS KT KU KV KW KX KY KZ LA LB LC LD LE LF LG LH LI LJ LK LL LM LN LO LP LQ LR LS LT LU LV LW LX LY LZ MA MB MC MD ME MF MG MH MI MJ MK ML MN MO MP MQ MR MS MT MU MV MW MX MY MZ NA NB NC ND NE NF NG NH NI NJ NK NL NO NP NQ NR NS NT NU NV NW NX NY NZ OA OB OC OD OE OF OG OH OI OJ OK OL OM ON OO OP OQ OR OS OT OU OV OW OX OY OZ PA PB PC PD PE PF PG PH PI PJ PK PL PM PN PO PP PQ PR PS PT PU PV PW PX PY PZ QA QB QC QD QE QF QG QH QI QJ QK QL QM QN QO QQ QR QS QT QU QV QW QX QY QZ RA RB RC RD RE RF RG RH RI RJ RK RL RM RN RO RP RQ RR RS RT RU RV RW RX RY RZ SA SB SC SD SE SF SG SH SI SJ SK SL SM SN SO SP SQ SR SS ST SU SV SW SX SY SZ TA TB TC TD TE TF TG TH TI TJ TK TL TM TN TO TP TQ TR TS TT TU TV TW TX TY TZ UA UB UC UD UE UF UG UH UI UJ UK UL UM UN UO UQ UR US UT UY UZ VA VB VC VD VE VF VG VH VI VJ VK VL VM VN VO VQ VR VS VT VY VZ WA WB WC WD WE WF WG WH WI WJ WK WL WM WN WO WP WQ WR WS WT WY WZ XA XB XC XD XE XF XG XH XI XJ XK XL XM XN XO XP XQ XR XS XT XU XV XW XX XY XZ YA YB YC YD YE YF YG YH YI YJ YK YL YM YN YO YQ YR YS YT YU YV YW YX YY YZ ZA ZB ZC ZD ZE ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZQ ZR ZS ZT ZU ZV ZW ZX ZY ZZ

GALITSKIY, B.M.
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Clay alabaster ceramic ironed concrete. B. M. Galitskiy. *Prum. Stroitel. Material*, No. 10-11, 160-161 (1950). The material is obtained by mixing clay and alabaster mortars with soap lather and subsequently drying and burning the molded blocks in Hoffmann kilns. The material has a vol. wt. of 430-650 kg./cu. m., a crushing strength of 3-17 kg./sq. cm. E. R. Stefanowsky.

METALLOGICAL LITERATURE CLASSIFICATION
 1300 1310 1320 1330 1340 1350 1360 1370 1380 1390 1400 1410 1420 1430 1440 1450 1460 1470 1480 1490 1500 1510 1520 1530 1540 1550 1560 1570 1580 1590 1600 1610 1620 1630 1640 1650 1660 1670 1680 1690 1700 1710 1720 1730 1740 1750 1760 1770 1780 1790 1800 1810 1820 1830 1840 1850 1860 1870 1880 1890 1900 1910 1920 1930 1940 1950 1960 1970 1980 1990 2000 2010 2020 2030 2040 2050 2060 2070 2080 2090 2100 2110 2120 2130 2140 2150 2160 2170 2180 2190 2200 2210 2220 2230 2240 2250 2260 2270 2280 2290 2300 2310 2320 2330 2340 2350 2360 2370 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620 2630 2640 2650 2660 2670 2680 2690 2700 2710 2720 2730 2740 2750 2760 2770 2780 2790 2800 2810 2820 2830 2840 2850 2860 2870 2880 2890 2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010 3020 3030 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140 3150 3160 3170 3180 3190 3200 3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360 3370 3380 3390 3400 3410 3420 3430 3440 3450 3460 3470 3480 3490 3500 3510 3520 3530 3540 3550 3560 3570 3580 3590 3600 3610 3620 3630 3640 3650 3660 3670 3680 3690 3700 3710 3720 3730 3740 3750 3760 3770 3780 3790 3800 3810 3820 3830 3840 3850 3860 3870 3880 3890 3900 3910 3920 3930 3940 3950 3960 3970 3980 3990 4000 4010 4020 4030 4040 4050 4060 4070 4080 4090 4100 4110 4120 4130 4140 4150 4160 4170 4180 4190 4200 4210 4220 4230 4240 4250 4260 4270 4280 4290 4300 4310 4320 4330 4340 4350 4360 4370 4380 4390 4400 4410 4420 4430 4440 4450 4460 4470 4480 4490 4500 4510 4520 4530 4540 4550 4560 4570 4580 4590 4600 4610 4620 4630 4640 4650 4660 4670 4680 4690 4700 4710 4720 4730 4740 4750 4760 4770 4780 4790 4800 4810 4820 4830 4840 4850 4860 4870 4880 4890 4900 4910 4920 4930 4940 4950 4960 4970 4980 4990 5000

1. SALITSKIY, B. I., TOVAL'SKIY, B. I.
- 2.a. USSR (600)
4. Building Materials
7. Containers forhauling bricks and slag-concrete blocks, Stroi. prom., 30, No. 4, April 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952 ~~1953~~, Uncl.

DUKEL'SKIY, Ya. Yu. (Leningrad); NEVREY, N.I. (Moskva); VLADIMIROV, B.Z.
(Odessa); BAKSHIYEVA, S.I. (Moskva); GALITSKIY, B.M. (Moskva).

Discussing the setting up of work norms in the construction industry.
Stroi. prom. 36 no.3:9-11 Mr '57. (MIRA 11:3)
(Construction industry--Production standards)

YEKHEL'CHIK, Mikhail Solomonovich, inzh.. Prinimal uchastiye: GALITSKIY,
B.H., inzh.. PRESMAN, S., red.; NEMCHENKO, I., techn.red.

[Handbook for normsetters in the construction industry] Spra-
vochnik normirovshchika-stroitelia. Izd.2., perer. i dop.
Kiev, Gos.izd-vo lit-ry po stroit. i arkhit.USSR, 1959. 277 p.
(MIRA 12:12)

(Construction industry)

GALITSKIY, B.M.; KODYAKOVA, A.I.; ZLATOVRAJSKAYA, R.R.; RIMMER, V.S.,
otv.red.; PEVZNER, A.S., zaveduyushchiy red.izd-va; SHERSTNEVA,
N.V., tekhn.red.

[Uniform time and pay standards for construction, assembly, and
repair operations in 1960] Edinye normy i rastsenki na stroi-
tel'nye, montazhnye i remontno-stroitel'nye raboty, 1960.g.
Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam.
Sbornik 4. [Plain and reinforced concrete construction] Zhelezo-
betonnye i betonnye raboty, No.4. [Making semifinished products and
details for plain and reinforced concrete construction elements]
Izgotovlenie polufabrikatov i detalei dlia zhelezobetonnykh i be-
tonnykh konstruksii. 1960. 60 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva. 2. Normativno-issledovatel'skaya stantsiya (NIS)
Glavmosoblstroya pri Mosoblispolkome (for Kodyakova). 3. Tsentral'-
noye normativno-issledovatel'skoye byuro (TsNIB) Ministerstva
stroitel'stva elektrostantsiy (for Zlatovratskaya).
(Wages) (Concrete construction)

GALITSKIY, B.M.; GANZBURG, TS.A.; SMIRNOV, B.K., otv.red.; PEVZNER, A.S.,
zav.red.izd-va; HUDAKOVA, N.I., tekhn.red.

[Uniform time and pay standards for construction, assembly, and
repair operations in 1960] Edinye normy i rastsenki na stroi-
tel'nye, montazhnye i remontno-stroitel'nye raboty, 1960 g.
Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materia-
lam. Sbornik 19. [Floors] Poly. 1960. 39 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva. 2. Normativno-issledovatel'skaya stantsiya
Glavmosoblatroya pri Mosoblispolkome (for Ganzburg).
 (Floors) (Wages)

GALITSKIY, B.M.; SEMIBRATOV, V.N.; SMIRNOV, B.K.; BASHINSKIY, S.V.,
retsensent; PRESMAN, S., red.; BEREZOVSKIY, N., tekhn. red.;
PAVLICHENKO, L., tekhn. red.

[Norms and estimates for repair and construction operations] Nor-
my i rastsenki na remontno-stroitel'nye raboty. Kiev, Gos. izd-
vo lit-ry po stroit. i arkhit. USSR, 1961. 911, 3 p.

(MIRA 14:10)

(Apartment houses—Maintenance and repair)
(Public buildings—Maintenance and repair)

GALITSKIY, Boris Mikhaylovich; SEMIBRATOV, Vsevolod Nikolayevich;
SMIRNOV, Boris Konstantinovich; RUSAKOV, A.N., retsenzent;
SURYGINA, E., red.; SOSNOVSKAYA, G., red.; LEUSHCHENKO, N.,
tekhn. red.; YEREMINA, I., tekhn. red.

[Regulations for the performance of repair and construction
work; norms and estimates] Pravila proizvodstva remontno-
stroitel'nykh robot, normy i rastsenki. Izd.2., perer. i
dop. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR,
1963. 732 p. (MIRA 16:12)
(Building--Repair and construction)

GALITSKIY, B.M.; KUNYAVSKIY, M.Ye.

New end-milling cutter. Mashinostroitel' no.3:26 Mr '64.
(MIRA 17:4)

GALITSKIY, Boris Mikhaylovich; SEMERATOV, Vsevolod Nikolayevich;
SMIRNOV, Boris Konstantinovich; RUSAKOV, A.N., retsenzent;
SOKOLOV, I.A., red.

[Regulations for the performance of repair and construction work; norms and estimates] Pravila proizvodstva remontno-stroitel'nykh rabot, normy i rastsenki. Izd.3., ispr. 1 dop. Kiev, Budivel'nyk, 1965. 718 p. (MIRA 18:4)

LYASHCHENKO, Fedor Anan'yevich; GALITSKIY, Dmitry Pavlovich;
KRAVCHENKO, Valeriy Andreyevich; KIRZYEVA, T., red.

[Technology of logging operations in the Maritime Ter-
ritory ensuring the preservation of young growth] Primor-
skaia tekhnologiya lesosechnykh robot, obespechivaiu-
shchaia sokhranenie podrosta i molodniaka. Vladivostok,
Dal'nevostochnoe knizhnoe izd-vo, 1964. 15 p.

(MIRA 18:5)

OSTROVSKIY, Yu.M.; LUKASHIK, N.K.; RAZUMOVICH, A.N.; BALAKLEYEVSKIY, A.I.;
DOSTA, G.A.; TREBUKHINA, R.V.; LARIN, R.S.; KARPUT', S.N.;
KOMAROVA, B.P.; NEPOCHELOVICH, N.S.; DVORYANINOVICH, L.N.;
MOYSEYENOK, A.G.; MANDRIK, K.A.; GALITSKIY, E.A.; MATYSIK, M.S.;
PODOBED, V.G.; MAKARINA-KIBAK, L.Ya.

Differentiation of specific and nonspecific metabolic shifts
in an acute avitaminosis B₁ caused by oxythiamine. Vop.pit.
24 no.4:41-48 JI-Ag '65. (MIRA 18:12)

1. Kafedra biokhimii (zav. - dotsent Yu.M.Ostrovskiy)
meditsinskogo instituta, Grodno. Submitted July 23, 1964.

GALITSKIY, G. I.

The house building combine. Inform. biul. VDNKH no. 11:3-4 N '63
(MIRA 18:1)

1. Direktor Moskovskogo domostroitel'nogo kombinata.

GALITSKIY, I., geroy Sovetskogo Soyuza, general-polkovnik inzhenernykh voysk.

Corps of engineers. Voen.znan. Vol.[32] no.3:12-13 Mr '56.
(Military engineering) (MLRA 9:7)

NAZAR'YANTS, Yu.; GALITSKIY, I.

Lump-sum remuneration for long service. Sots.trud 7 no.1:137-
141 Ja '62. (MIRA 15:4)

(Wages)

VORONTSOVA, A.V.; GALITSKIY, I.L.

Semiautomatic control of gauge blocks. Izv. tekhn. no.6: .
8-9 Je '63. (MIRA 16:8)

(Gauge blocks)

S/115/63/000/004/005/011
E191/E181

AUTHORS: Vorontsova A.V., and Galitskiy I.L.

TITLE: Precise inspection of holes

PERIODICAL: Izmeritel'naya tekhnika, no.4, 1963, 18-19

TEXT: Customary inspection methods permit measurement to an accuracy of about 2 microns. Better accuracies have been achieved by the authors when inspecting holes with diameters of 3 mm and above. A specimen gauge is a square or rectangular block similar to a slip gauge having in its centre a hole equal in size to the nominal value of the hole to be measured. The hole is lapped to an accuracy of 0.2 microns. The hole axis must be parallel to the four faces within 0.2 microns. The hole must be central in both directions within 0.5 microns. This gauge is calibrated with the help of an interferometer. The calibrated gauges are used as masters for comparison by means of a horizontal "optimizer" and yield the required accuracy. Another method is discussed, involving a fixture for internal measurements attached to a horizontal interferometer or optimizer. Modifications of this well-known method which ensure an improved accuracy are discussed

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Precise inspection of holes

S/115/63/000/004/005/011
E191/E181

in detail. It is stated that, by means of the precautions described, particularly applied to the shackle used in this fixture, the accuracy can be improved from 2.5 to 0.5 microns. There are 2 figures.

Card 2/2

GALITSKIY, I.; NELIN, P.

Procedure for issuing bonuses to workers. Sots. trud 8 no.7:
139-143 JI '63. (MIRA 16:10)

GALITSKIY, I.R.

GALITSKIY, I.R. (Moskva)

Role of sanitary and hygienic factors in the etiology of
endemic goiter in Khakassia. Probl. endokr. i gorm. 1 no.5:
13-16 S-0 '55. (MLRA 8:10)

1. Iz otdela organizatsii zdravookhraneniya (nach. I.G. Matul'skiy) Tsentral'noy nauchno-issledovatel'skoy laboratorii gigiyeny i epidemiologii (nach. B.A. Ivanov) Ministerstva putey soobshcheniya.
(GOITER,
endemic, in Russia, causes)

GALITSKIY, I.V. [Halyts'kyi, I.V.]

Some characteristics of the geology and history of the development of salt-dome structures in the southeastern part of the Dnieper-Donets Lowland. Geol.zhur. 23 no.3:36-49. '63. (MIRA 16:9)

1. Trest "Poltavanaftogazrozvidka". (Dnieper-Donets Lowland--Salt domes)

KORENEVSKIY, S.M.; BOBROV, V.P.; GALITSKIY, I.V.; KHRUSHCHOV, D.P.

Postassium potential of the halogen sediments in the Dnieper-Donets
Lowland and Donets Basin. Lit. i pol. iskop. no.3-20-42 My-Je '64.
(MIRA 17:11)

I. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut,
Leningrad, tresty Glavnogo upravleniya geologii i okhrany neдр pri
Sovete Ministrov UkrSSR i Institut geologicheskikh nauk UkrSSR.

KORENEVSKIY, S.M.; GALITSKIY, I.V.; BOBROV, V.P.; KHRUSHCHOV, D.P.

Recent data on the potassium potential of the halogen sediments of the Dnieper-Donets Lowland and the Donets Basin. Razved. i okh. nedr. 30 no.5:5-11 My '64. (MIRA 17:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut (for Korenevskiy). 2. Trest "Poltavaneftegazrazvedka" (for Galitskiy). 3. Trest "Artemgeologiya" (for Bobrov). 4. Institut geologii AN UkrSSR (for Khrushchov).

YEVDOKIMENKO, A.I.; ZABEREZHNYI, I.I.; RAFALOVICH, I.M.; REZNIK, I.D.;
Prinimali uchastiye: SHERMAN, B.P.; KUDRIN, A.N.; GALITSKIY, L.M.;
SERPOV, V.I.; VOROB'YEV, V.A.; STEPANOV, A.S.; RODIONOVA, N.M.;
BUNTOVNIKOV, A.S.; YEVDOKIMOVA, L.Ye.

Air blast preheating for shaft furnaces. Tsvet. met. 33 no.10:12-
20 0 '60. (MIRA 13:10)

1. Gosudarstvennyy institut po tsvetnym metallam (for Yevdokimenko, Zabereshnyy, Rafalovich, Resnik, Rodionova, Buntovnikov, Yevdokimova).
2. Yuzhno-Ural'skiy nikel'evyy zavod (for Sherman, Kudrin, Galitskiy, Serpov, Vorob'yev, Stepanov).

(Air preheaters)

(Metallurgical furnaces--Equipment and supplies)

L 44540-65 EWT(d)/EWP(c)/EWP(v)/EWP(k)/EWP(h)/EWP(l) Pp-4
 ACCESSION NR AM5013139 BOOK EXPLOITATION

UR/19
 18
 B4-1

Galitskiy, Mikhail Iosifovich (Professor); Danilov Sergey Konstantinovich
 (Professor); Korneyev, Aleksandr Il'ich (Docent)

Economic geography of transportation in the U.S.S.R. (Ekonomicheskaya geografiya transporta SSSR) Moscow, Izd-vo "Transport", 65. 0302 p. illus. Errata slip inserted. 10,00 copies printed. Textbook for higher learning institutions specializing in railroad transportation.

TOPIC TAGS: commerce, transportation system, transportation status, economic system, railway network, mineral industry, petroleum industry, metallurgic industry, forestry, chemical industry, agriculture

PURPOSE AND COVERAGE: The textbook develops basic regularities of the socialist distribution of industries and the role of transportation in their realization. The process of formation of the transportation system in the USSR with respect to the distribution of productive forces is shown. Interregional exchange and basic directions in goods traffic, as a whole, in connection with economical zoning of the country is given. The book presents problems of distribution of the industry, interregional exchange and traffic of basic industrial and agricultural goods, and transportation of goods for foreign trade. The geography of passenger traffic and

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economical and geographical characteristics of railroads in the complex of greater economical regions is shown. The textbook is intended for students of engineering economics in higher educational institutions of transportation as an aid to transportation personnel and others engaged in independent study of its working and development.

TABLE OF CONTENTS (abridged):

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- Ch. II Formation of transportation system in the USSR in connection with the distribution of productive forces -- 22
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- Ch. VII Distribution of the ore industry, interregional exchange and traffic of ore -- 104
- Ch. VIII Distribution of ferrous metallurgy, interregional exchange and traffic of ferrous metals -- 114
- Ch. IX Distribution of the lumber industry, interregional exchange and traffic of lumber -- 124
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SUBMITTED: 15Dec64

SUB CODE: GO

NO REF SOV: 000

OTHER: 000

ml
Card 5/5

GALITSKIY, N.F.

Reversing mechanism and reverse motion in heavy-duty gas-turbine
units for ships. Trudy LKI no.26:3-12 '59. (MIRA 14:9)

1. Kafedra sudovykh parovykh i gazovykh turbin Leningradskogo
korablestroitel'nogo instituta.
(Marine gas turbines)

GALITSKIY, N.F.

Some design criteria and principles providing for the reliability
and economy of marine gas turbines. Trudy LKI no.28:137-150
'59. (MIRA 15:5)

1. Kafedra sudovykh, parovykh i gazovykh turbin Leningradskogo
korablestroitel'nogo instituta.
(Marine gas turbines)

GALITSKIY, N.F.

Experimental investigation of friction and ventilation losses
in radial turbine blade tips rotating in a shrouding. Trudy
LKI no.34:105-111 '61. (MIRA 15:8)

1. Kafedra sudovykh parovykh i gazovykh turbin Leningrad^ssogo
korablestroitel'nogo instituta.
(Marine gas turbines)

GALITSKIY, Nikolay Fedorovich; MOISEYEV, Anatoliy Aleksandrovich;
OGLOBLIN, Georgiy Aleksandrovich; PASENKO, Igor' Aleksandrovich;
FRUMKIN, Boris Solomonovich; ZOTIKOV, G.I., doktor tekhn. nauk,
retsenzent; SHAURAK, Ye.N., red.; FRUMKIN, P.S., tekhn. red.

[Designs of gas turbine systems; album of drawings] Konstruktsii
gazoturbinnnykh ustanovok; al'bom illiustratsii. Leningrad, Sud-
promgiz, 1962. 99 p. ___[Description] Opisanie. 163 p.

(MIRA 15:6)

(Gas turbines--Design and construction)

GALITSKIY, N.F.

Investigating friction and ventilation losses in a single rotating
blade row of an axial turbine. Trudy LKI no.35:61-68 '62.
(MIRA 16:7)

1. Kafedra sudovykh parovykh i gazovykh turbin Leningradskogo
korablestroitel'nogo instituta.
(Marine turbines)

GALITSKIY, N.F.

Investigation of friction and air losses in an axial turbine
blade row with a complete bilateral covering by annular shields.
Trudy LKI no.38:159-165 '62. (MIRA 16:7)

1. Kafedra sudovykh parovykh i gazovykh turbin Leningradskogo
korablestroitel'nogo instituta.
(Marine gas turbines)

L 23397-65 EWP(r)/T-2/EPA(bb)-2
ACCESSION NR: AP4040509

S/0147/64/000/004/0060/0066

AUTHOR: Galitskiy, N.F.

TITLE: Friction and ventilation losses in the working rims of the radial-flow turbines of helicopter and transport gas-turbine installations

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 4, 1964, 60-66

TOPIC TAGS: radial turbine, turbine rotor, gas turbine efficiency, turbine friction loss, turbine ventilation loss

ABSTRACT: The author points to the absence of technical information regarding studies of power losses due to no-load rotation of the working rims of radial-flow turbines. With an eye to the possible utilization of single- and dual-rotor radial-flow turbines in helicopter installations as well as in transport power plants, investigations were conducted with the purpose of filling the aforementioned gap. One of the subjects of the study, reported upon in this article, was a blading arrangement taken from the multi-stage radial-flow Yungstrem-system turbine. The author believes that because of the qualities of this blading arrangement, some of which are briefly enumerated in the introduction, it is the most suitable for turbines from which a high degree of maneuverability, reliability and economy are required. In addition, this design is suitable for achieving.

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ACCESSION NR: AP4048509

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under multi-stage turbine conditions (with the absence of a vacuum), such well-known methods for reducing friction and ventilation losses in working rims rotating for long periods under idling conditions as their shielding in ring housings and the reduction of the density of the medium (by considerably increasing its temperature and using for this purpose the heat into which the friction losses are transformed). The investigations reported on in this article were carried out on a training-experimental installation, a block-diagram of which is given in the paper (see Figure 1 of the Enclosure). The working rim from a Yungstrom turbine, having 208 blades 7.7 mm wide and 18 mm long, with an external diameter of 366.4 mm, was attached directly to the shaft of an HF electric motor (9 kw at 8000 rpm) and rotated in a medium of atmospheric air in a reservoir in the forward and reverse direction at a variable number of revolutions under the following conditions: 1. in free space without the presence of any elements of the flow-through section; 2. with the guide rims connected (see Figure 1, b of the Enclosure); 3. in the ring space between the freely supporting rings of the guide rims (See Figure 1, c of the Enclosure). Further details concerning the conditions, facilities and methodology of the experimentation are explained in full in the article. The results are presented in the form of a logarithmic system of coordinates. A very wide range of tests and studies were carried out, covering the following fundamental factors: 1. Friction and ventilation losses were studied in the radial-flow crowns under idle rotation forward

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and backward with the rate of rotation varied; 2. A determination was made of the qualitative relationship between the power expended on the ventilation of the medium and on blade edge friction, and an explanation was given of the essence and significance of losses with the radial rims rotating under no-load conditions (i. e., idling) in free space and in ring casings; 3. The author established the effect of the following factors on the friction and ventilation power value, expended on the idling of the radial rim: a. the direction of rotation, b. the rate of rotation, c. the length of the working blades, d. the width of the working rims, e. the design elements of the flow-through sections, and several others; 4. An experimental comparison was made of friction and ventilation losses on radial-flow and axial flow rims; 5. Design techniques were indicated for reducing friction and ventilation losses in the radial-flow type of rim; 6. Formulae and coefficients were proposed for practical use, which make it possible to compute the magnitude of the power expended on the idle rotation of radial rims in single- and multi-stage radial-flow turbines. Orig. art. has: 2 figures, 1 table and 5 formulas.

ASSOCIATION: none

SUBMITTED: 17Apr64

ENCL: 01

SUB CODE: PR

NO REF SOV: 004

OTHER: 002

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I. 23397-65

ACCESSION NR: AP4048509

ENCLOSURE: 01
section through AA

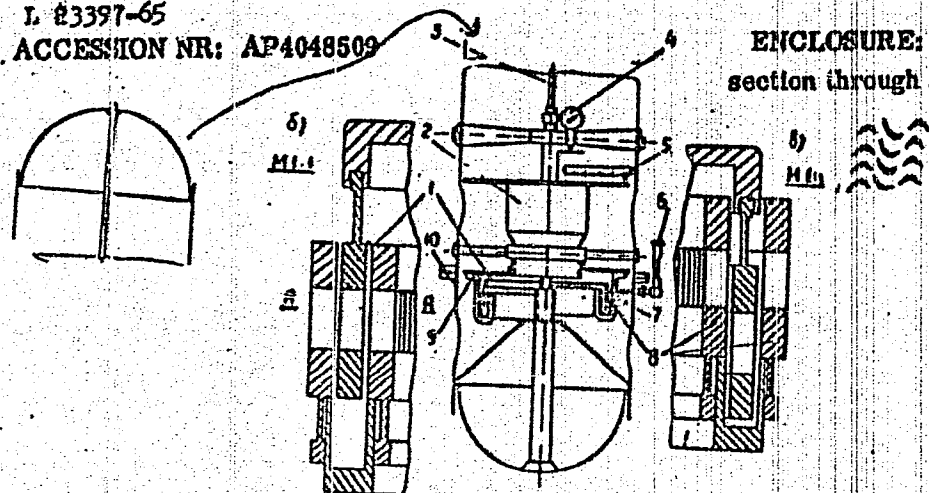


Fig. 1. Diagram of the installation: 1 - working rim, 2 - electric motor, 3 - torsion shaft, 4 - tachometer, 5 - scale and indicator, 6 - thermometer, 7 - bracket, 8 - guide rims, 9 - supporting disk, 10 - reservoir

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S/285/63/000/002/009/012
A052/A126

AUTHOR: Galitskiy, N.P.

TITLE: Investigation of friction and ventilation losses in the radial turbine rim

PERIODICAL: Referativnyy zhurnal. Otdel'nyy vypusk. 49. Turbostroyeniye, no. 2, 1963, 15 - 16, abstract 2.49.90 (Tr. Leningr. korable-stroit. in-ta, no. 33, 1961, 57 - 63)

TEXT: Methods and results are described of an experimental investigation of power losses due to friction and of ventilation losses in the radial turbine rim. The investigation was carried out on a radial rim having a mean diameter of 350 mm and 85 blades 55 mm long, 20 mm wide with geometric angles of 24 and 26°. The active length of the blades was varied in the course of the experiment from 0 to the full length $l = 55$ mm. It has been established that friction and ventilation losses in a radial blade rim are directly proportional to the length of the active part of blades and to the cube of circumferential speed; at a no-load rotation the ventilation losses exceed the friction losses by a factor of 7 - 8.
[Abstracter's note: Complete translation.]

B. Dorogov

Card 1/1

GALITSKIY, N.V.

Heat balance of electric shaft furnaces. Titan i ego splayv
no.5:254-266 '61. (MIRA 15:2)
(Electric furnaces)
(Heat--Transmission)

SHEGUYEV, Viktor Vasil'yevich; GALITSKIY, Nikolay Vladimirovich;
KISELEV, Vasilii Pavlovich. Prinimal uchastiye KOZLOV,
V.M.; GUS'KOV, V.M., red.

[Metallurgy of titanium] Metallurgiiia titana. Moskva, Izd-
vo Metallurgiiia, 1964. 207 p. (MIRA 17:7)

GALITSKIY, N.V.; PROKHOROV, S.T.

Electron microscope study of solid chlorides from the dust chambers
of titanium processing plants. Koll.zhur. 26 no.2:163-164 Mr-Apr
'64. (MIRA 17:4)

1. Vsesoyuznyy alyuminiyevo-magniyevyy institut, Leningrad.

GALITSKIY, N.V.; GUS'KOV, V.M. [deceased]

Studying the pressure of chromium trichloride vapor. Izv.
vys. ucheb. zav.; tsvet. met. 8 no.4:75-77 '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut
alyuminiyevoy, magniyevoy i elektrodnoy promyshlennosti.

GALITSKIY, N.V.

Maximum temperature of the chlorination process in an electric
stack furnace. Titan i ego splayv no.8:101-113 '62. (MIRA 16:1)
(Chlorination) (Enthalpy)

GALITSKIY, N.V.; SHADSKIY, S.V.

Content of dissolved chlorides in condensed titanium tetra-
chloride. Titan i ego splavy no.8:140-144 '62. (MIRA 16:1)
(Titanium chloride--Analysis)

NOVIKOV, G.I.; GALITSKIY, N.V.

Thermal stability of the higher chlorides of chromium and
molybdenum. Zhur. neorg. khim. 10 no.3:576-582 Apr '65.
(MIRA 18:7)

L 13534-66 EWT(m)/EPF(n)-2/EPF(t)/EPF(b) IJP(c) JD/WW/JW/JG

ACC NR: AP5028977

SOURCE CODE: UR/0149/65/000/004/0075/0077

AUTHOR: Galitskiy, N. V.; Gus'kov, V. M. (Deceased)

21/2

ORG: All-Union Scientific Research and Design Institute of the Aluminum, Magnesium and Electrode Industry (Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut Alyuminevoy, magniyevoj i elektrodnoy promyshlennosti)

TITLE: Study of the vapor pressure of chromic trichloride

SOURCE: IVUZ. Tsvetnaya metallurgiya, no. 4, 1965, 75-77

TOPIC TAGS: chromium compound, chlorine compound, vapor pressure, heat of sublimation

ABSTRACT: Döerner (U.S. Bureau of Mines, Techn. Papers, no. 577, 1937) had established that CrCl₃ in a chlorine atmosphere forms CrCl₂, stable above 700°C and decomposing at conventional temperature. Recent studies (S.A. Shchukarev, M. A. Oranskaya. Zh. organ. khimii, 24, v. 12, 2109 (1954)), however, do not completely tally with Döerner's findings. Particularly unusual is the close similarity of the heats of sublimation of CrCl₃ and CrCl₂. In this connection, the present authors investigated by the static method the pressure of saturated and unsaturated vapors of CrCl₃ in a soldered ampoule with a quartz-diaphragm manometer, over the 873-1303°K range. Findings: below 1065°K the curve of saturated vapor pressure changes from a straight to a slanted line; the inflection point of the curve closely coincides with the melting point of CrCl₂. At temperatures exceeding the dew point by 150-160° the pressure in the vessel

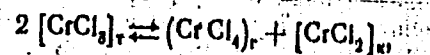
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UDC: 669.26

L-13534-66

ACC NR: AP5028977

deviates in the plus direction from that calculated according to the law of ideal gases. This fact, together with the bending of the curve of saturated vapor pressure, indicates that disproportionation of CrCl_3 , namely:



takes place in the saturated vapor region, whereas the converse process of conpropor-tionation takes place in the unsaturated vapor region. Orig. art. has: 3 formulas

SUB CODE: 07, 11/ SUBM DATE: 12Feb64/ ORIG REF: 002/ OTH REF: 006

Card

2/2



GALITSKIY, R., kand.tekhn.nauk

Pamphlet on the development of the network of grain elevators in the U.S.S.R. in 40 years ("Grain elevators in the U.S.S.R., 1917-1957" by A.V.Borodin. Reviewed by R.Galitskii). Muk.-elev.prom. 24 no.3:3 of cover Mr '58. (MIRA 12:9)

1. Novocherkasskiy elevatornyy tekhnikum.
(Grain elevators) (Borodin, A.V.)

GALITSKIY, R., kand.tekhn.nauk

Calculating the milling batch of grain made up from an unlimited number of components. Muk.-elev. prom. 29 no.3:22-23 Mr '63.
(MIRA 16:9)

1. Novocherkasskiy mekhaniko-tekhnologicheskii tekhnikum.

GALITSKIY, S.A.

Immediate effects of vacuum extraction on the mother and infant.
Akush. i gin. no.1:82-86 '65. (MIRA 18:10)

1. Krasnoluchskiy roditel'nyy dom Luganskoy oblasti (glavnyy vrach S.A. Galitskiy).

GALITSKIY V.

KRUGLOV, I., kand.tekhn.nauk; GALITSKIY, V., inzh.; ZOBACHEV, N., tekhnik.

Automatic equipment for the field testing of soils.

Ger. 1 sel'.stroj. no.5:18-20 My '57.

(MIRA 10:10)

(Soil mechanics)

GALITSKIY, V.

Construction workers and automotive transportation workers work
in close cooperation. Avt. transp. 42 no.9:5-6 S '64. (MIRA 17ell)

1. Nachal'nik domostroitel'nogo kombinata No.1 Glavnogo upravleniya
po stroitel'stvu mostov.

GALITSKIY, V. I. MIKHAYLOV, V.

Stability specifications of a specialized vessel carrying grain.
Mer. flot. 25 no. 7927-28 J1 '65. (MIRA 18:7)

1. Nachal'nik otдела Tsentral'nogo proyektno-konstruktor'skogo byuro No. 1 Ministerstva morskogo flota SSSR (for Galitskiy). 2. Rukovoditel' gruppy Tsentral'nogo proyektno-konstruktor'skogo byuro No. 1 Ministerstva morskogo flota SSSR (for Mikheylov).

GALITSKIY, V.A., inzh.

Dry cargo freighter "Abruka." Sudostroenie 28 no.6:1-4 Je
'62. (MIRA 15:6)
(Freighters)

BOGCYAVLENSKIY, G.P.; DUNAYEV, V.N.; NEDOSEKIN, D.V., Primaliuchastiye:
GALITSKIY, V.A.; GRIN, M.F., kand.ekonom.nauk, nauchnyy red.;
ZABELIN, I.M.; kand.geograf.nauk, nauchnyy red.; SAMSONENKO, L.V.,
nauchnyy red.; FRADKIN, N.G., kand.geograf.nauk, nauchnyy red.;
MAL'CHEVSKIY, G.N., red.kart; GLEYKH, D.A., tekhn.red.

[The earth and its people; a geographical calendar for 1959]
Zemlia i liudi; geograficheski kalendar', 1959. Moskva, Geo-
grafgiz, 1958. 390 p. (MIRA 12:3)
(Geography)

BOGOYAVLENSKIY, G.P.; DUNAYEV, V.N.; NEDOSEKIN, D.V.; DANILOVA, N.A.,
avtor kart; KEMMERIKH, A.O., avtor kart. Primal uchastiye
GALITSKIY, V.A.. GRIN, M.F., kand.ekonom.nauk, nauchnyy red.;
ZABELIN, I.M., kand.geograf.nauk, nauchnyy red.; SAMSONENKO,
L.V., nauchnyy red.; FRADKIN, N.G., kand.geograf.nauk, nauchnyy
red.; MAL'CHEVSKIY, G.N., red.kart; BELICHENKO, R.K., mladshiy
red.; GLEYKH, D.A., tekhn.red.

[The earth and the people; geographical calendar for 1960] Zemlia
i liudi; geograficheskiy kalendar' 1960. Moskva, Geografiz,
1959. 381 p. [___ Seasonal phenomena in U.S.S.R.nature] ___ Sezon-
nye iavleniia v prirode SSSR. Sost.N.A.Danilova, A.O.Kemmerikh.
12 maps. (MIRA 13:3)

(Geography--Dictionaries)

(Calendars)

BOGOYAVLENSKIY, G.P.; TIKHOMIROV, V.N.; Priniimai uchastiye: SHISHKIN, I.B.; MAL'CHEVSKIY, G.N.; GALITSKIY, V.A.; BELEN'KIY, A.B., kand. ist. nauk, nauchnyy red.; GRIN, M.F., kand. ekon. nauk, nauchnyy red.; ZABELIN, I.M., kand. geogr. nauk; SAMSONENKO, L.V., nauchnyy red. FRADKIN, N.G., kand. geogr. nauk, nauchnyy red.; BELICHENKO, R.K., mladshiy red.; VILENSKAYA, E.N., tekhn. red.

[The land and people; geographical calendar for 1963] Zemlia i liudi; geograficheskii kalendar' 1963. Moskva, Geografiz, 1962. 303 p.
(MIRA 16:2)

(Geography--Yearbooks)

BOGOYAVLENSKIY, G.P.; SHISHKIN, I.B.; Primal uchastiye GALITSKIY,
V.A.; MAL'CHEVSKIY, G.N., red.-sostavitel' kart; BELEN'KIY,
A.B., kand. ist. nauk, nauchn. red.; CRIN, M.F., kand. ekon.
nauk, nauchn. red.; ZABELIN, I.M., kand.geogr. nauk, nauchn.
red.; SAMSONENKO, L.V., nauchn. red.; FRADKIN, N.G., kand.
geogr. nauk, nauchn. red.; BELICHENKO, R.K., mlad. red.;
KIR'YANOVA, Z.V., mlad. red.; VILENSKAYA, E.N., tekhn. red.

[Land and people; geographical calendar for 1964] Zemlia i
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AUTHOR: Bayver, V. N.; Galitskiy, V. M. ^{44, 55} ^{44, 55}

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44
8

TITLE: Emission of two photons in electron collisions ^{21, 44, 55}

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 2, 1965, 661-671

TOPIC TAGS: bremsstrahlung, particle collision, photon emission

ABSTRACT: This is a continuation of earlier work by the authors (Phys. Lett. v. 13, 355, 1964), in which the cross section for emission of classical quanta was calculated. In the present paper the authors calculate the cross section for double bremsstrahlung in the center-of-mass system of the colliding particles, under the assumption that one of the photons is soft but the other can have arbitrary energy. The electron energy is assumed quite high, so that expansion in powers of the electron emission angle is possible. The principal terms of the expansions are calculated and the correction terms are estimated. The resultant expressions are useful for the calculation of various processes involving photons. By way of an example, the authors calculate to logarithmic accuracy the single-bremsstrahlung cross section for electron-electron or electron-positron collisions. Orig. art. has: 4 figures and 57 formulas.

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OTHER: 002

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