

SNEGOVSKIY, I.F., inzhener.

New machines for chemical protection of plants. Sel'khoz mashina no.2:  
3-6 F '54. (MLRA 7:2)  
(Spraying and dusting equipment)

SNEGOVSKIY, I.F., inzh.

Useful textbook with unfortunate shortcomings (Mechanization of work in controlling farm crop diseases and pests" by S.IA. IUrkovskii. Reviewed by I.F. Snegovskii). Sel'khoz mashina no.12: 27-28 D '57.

(Spraying and dusting equipment)  
(IUrkovskii, S.IA.)

(MIRA 11:2)

SNEGOVSKIY, I.F., inzh.

What's required of machinery. Zashch. rast. ot vred. i bol. 3  
no.4:12-14 J1-Ag '58. (MIRA 11:9)  
(Spraying and dusting equipment)

SNEGOVSKIY, I. F.

Truck-type exhaust-nozzle sprayer. Zashch.rast.ot vred. 1 bol. 3  
no.6:50-51 N-D ' 58. (MIRA 11:12)  
(Spraying and dusting equipment)

SNEGOVSKIY, I.F.

Machines used in chemical protection of plants. Biul.tekh.-ekon.  
inform. no.7:54-57 '58. (MIRA 11:9)  
(Spraying and dusting equipment)

SNEGOVSKIY, I.F.; MENSHUTIN, A.I.

Machines and appliances for disinfecting seed grain. Zashch. rast.  
ot vred. i bol. 4 no.2:13-14 Mr-Ap '59. (MIRA 16:5)

(Seeds—Disinfection)

SNEGOVSKIY, I.F.

Machinery for plant protection. Zashch. rast. ot vred. i bol.  
6 no.4:41-46 Ap '61. (MIRA 15:6)  
(Spraying and dusting equipment)

PROKOPENKO, S.F.; SNEGOVSKIY, I.F.

Types of machines for plant protection. Zashch. rast. ot  
vred. i bol. 6 no.10:21-25 0 '61. (MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhoz-  
yaystvennogo mashinostroyeniya.  
(Spraying and dusting equipment)



SNEGOVSKIY, I.F., inzh.

Modern implements for the mechanization of chemical plant  
protection. Zemledelie 23 no.4:50-56 Ap '61. (MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokho-  
zyaystvennogo mashinostroyeniya.  
(Spraying and dusting equipment)  
(Seeds--Disinfection)

SNEGOVSKIY, I.F., inzh.

Machinery used in plant protection. Trakt. i sel'khoz mash. 31  
no.12:40-43 D '61. (MIRA 15:1)  
(Spraying and dusting equipment)

SNEGOVSKIY, I.F.

Low-pressure nozzles for orchard sprayers. Zashch.rast.ot vred,  
i bol. 7 no.4:54-55 Ap '62. (MIRA 15:12)  
(Spraying and dusting equipment) (Nozzles)

SNEGOVSKIY, I.F.

The mechanization of crop dusting operations is an important means for improving the harvest. Trakt. i sel'khoz mash. 32 no.7:3 of cover J1 '62. (MIRA 15:7)

(Spraying and dusting equipment--Congresses)

(Spraying and dusting--Congresses)

SNEGOVSKIY, I.F.

Types of spraying and dusting machinery. Trakt. i sel'khoz mash.  
32 no.10:34-37 0 '62. (MIRA 15:9)  
(Spraying and dusting equipment)

SNEGOVSKIY, I.F.; KUBYSHV, G.A., starshiy nauchnyy sotrudnik

Distributing batcher for poisonous chemicals. Zashch. rast.  
ot vred. i bol. 8 no.6:32-33 Je '63. (MIRA 16:8)

1. Zaveduyushchiy otdelom mekhanizatsii Respublikanskoy khmelevodcheskoy stantsii, Moskovskaya obl. (for Snegovskiy).
2. Respublikanskaya khmelevodcheskaya stantsiya, Moskovskaya obl. (for Kubyshev).  
(Spraying and dusting equipment)

SHEGUR, A.M. [Snihur, A.M.]

Redesigned electric driving of the KT-100 dyeing apparatus. Leh.  
prom. no.3:55 JI-S '64. (MIRA 17:10)

FEDOROV, Aleksandr Ivanovich [Fedorov, O.I.]; SEEGUR, Grigoriy  
Prokof'yevich [Snihur, H.P.]; KULIK, Georgiy Kuz'mich  
[Kulyk, H.K.]; CHERNOV, M.P., red.; NEMCHENKO, I.Yu.,  
tekhn. red

[Cultivation and use of hybrid sugar beet seeds] Vyroshchu-  
vannia ta vykorystannia hibrydnoho nasinnia tsukrovykh bu-  
riakiv. Kyiv, Derzhsil'hospvydav URSR, 1961. 98 p.

(MIRA 15:7)

(Ukraine--Sugar beets)



18.1120 also 2908

S/129/61/000/002/008/014  
E193/E483

AUTHORS: Popandopulo, A.N., Engineer and Snegur, I.Z., Engineer

TITLE: Cobalt<sup>27</sup> Vanadium<sup>70</sup> High-Speed Cutting Steel With a Medium Tungsten Content

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov,  
1961, No.2, pp.35-40

TEXT: The object of the investigation described in the present paper was to compare the relevant properties of steel P9Φ4K8M (R9F4K8M), containing 1.3% C, 4.27% Cr, 8.8% W, 3.65% V, 8.10% Co, 1.03% Mo, 0.14% Mn, 0.29% Si, 0.02% S and 0.015% P, with those of a standard high-speed cutting steel P18 (R18) and a high (18%) tungsten content steel. It was established in the course of the preliminary experiments that the optimum heat treatment of the steel studied consisted of pre-heating to 850°C, 1 min immersion in a barium chloride bath at 1200°C, and quenching in oil followed by three tempering operations (each of 1 h duration) at 560°C. The structure of steel after this treatment consisted of finely-acicular martensite and various carbides, its properties being: Rockwell (C) hardness equal 64 to 65; bending strength equal 235 kg/mm<sup>2</sup>; impact strength a<sub>k</sub> equal 1.2 kgm/cm<sup>2</sup>;  
Card 1/7

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E193/E483

Cobalt-Vanadium High-Speed Cutting Steel With a Medium Tungsten Content

grain size equal 7 to 8 (in "ball" units); residual austenite content equal 3 to 4%;  $Kp_{60}$  equal  $635^{\circ}\text{C}$ ; Rockwell (C) hardness at  $600^{\circ}\text{C}$  equal 54 to 56. Since the steel under consideration was found to be sensitive to overheating, the effect of time at  $1200^{\circ}\text{C}$  (prior to quenching) on its properties was studied. The results are given in Fig.1, where Rockwell hardness (HRC) and impact strength ( $a_k$ ,  $\text{kgm/cm}^2$ ) are plotted against time (sec) at  $1200^{\circ}\text{C}$ ; curve 1 shows the variation of HRC of steel in the as-hardened condition, curves 2 and 3 relating, respectively, to HRC and  $a_k$  of specimens hardened and tempered (thrice for 1 h) at  $560^{\circ}\text{C}$ . Fig.2 shows how the time at  $1200^{\circ}\text{C}$  (prior to quenching) affected microhardness  $H_{\mu}$  ( $\text{kg/mm}^2$ ) of the steel at red heat (curve 1),  $H_{\mu}$  measured inside the grains, or so-called "effective red-hardness" (curve 2) and Rockwell hardness (HRC). In the next series of experiments, it was established that the impact strength of tempered specimens can be increased (from 1.2 to 1.7  $\text{kgm/cm}^2$ ) by increasing the rate of cooling after tempering (i.e. by cooling in Card 2/7

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Cobalt-Vanadium High-Speed Cutting Steel With a Medium Tungsten Content

oil instead of air) and that internal stresses due to dispersion hardening, taking place during tempering at 560°C, can be relieved by a low-temperature (30 min at 300°C) tempering. Even better impact strength (about 2.0 kgm/cm<sup>2</sup>) can be attained by a treatment consisting of: 30 min at 720°C, followed by oil cooling plus quenching from 1200°C, plus tempering (thrice at 560°C for 1 h), followed by cooling in oil. The effect of sub-zero treatment on the properties of steel R9F4K8M is illustrated in Fig.3, showing HRC (top diagram), magnetic permeability  $\mu$ , in gauss/oersted (middle diagram) and  $a_k$  (bottom diagram) of specimens quenched from 1200°C (first experimental point), quenched and held at -76°C for 2 h (second experimental point) and tempered once (third experimental point) and twice (fourth experimental point) after the sub-zero treatment; branches of curves numbered 1, 2 and 3 relate to specimens tempered at 450, 520 and 560°C respectively. In the next series of experiments, the comparative resistance to wear of steels R18, P9K5 (R9K5) and R9F4K8M was determined. To this end,

Card 3/7

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E193/E483

**Cobalt-Vanadium High-Speed Cutting Steel With a Medium Tungsten Content**

specimens of steel X25H13T (Kh25N13T) were end-milled with cutters (cross-section 24 x 24 mm,  $\varphi = 45^\circ$ ,  $\varphi_1 = 10^\circ$ ,  $\alpha = 8 - 12^\circ$ ,  $\gamma = 15^\circ$ ,  $r = 2$  mm) made of the steels examined, under the following conditions:  $v = 23$  m/min,  $s = 0.3$  mm/gear and  $t = 2$  mm. The results, reproduced in Fig.5 where the degree of wear (mm) of the tool is plotted against machining time (min), indicated that steel R9F4K8M is twice as durable as steels R18 and R9K5. The results of other similar tests are given as follows:

Steel Code	End Boring of a Titanium alloy	Turning of Alloy EN 617 ((EI617)	End-Milling of steel Kh25N13T
	21 Relative Wear Resistance in %		
P9 $\Phi$ 4K8M (R9F4K8M)	100	100	100
P9K10 (R9K10)	102	89	-
P18 $\Phi$ 2K8M (R18F2K8M)	106	133	160

Card 4/7

S/129/61/000/002/008/014  
E193/E483

Cobalt-Vanadium High-Speed Cutting Steel With a Medium Tungsten Content

Finally, it was shown that the cutting characteristics of the steels studied are not affected by the sub-zero treatment. A slight increase in the resistance to wear can be attained by applying this treatment, but only if subsequent tempering is carried out at somewhat lower temperature (520°C). Although the cutting properties of steel R9F4K8M are not as good as those of the high (18%) tungsten content steel containing the same proportion of cobalt, this difference becomes significant only in machining very tough materials under conditions where the cutting tool is subjected to impact loads. There are 5 figures, 2 tables and 9 references: 8 Soviet and 1 non-Soviet.

ASSOCIATION: Leningradskiy politekhnicheskii institut  
(Leningrad Polytechnical Institute)

Card 5/7

SHCHERBA, A.Y. and KRYAZHEV, A.M.

Synthesis of mixed organic tin compounds of the triphenylmethyl-  
tin chloride type. Zhur. ob. Khim. 31 no.12:1030-1032 0 164  
(MTR 18:1)

S/081/62/000/010/048/085  
3168/3180

AUTHORS: Snegur, L. N., Manulkin, Z. M.

TITLE: Synthesis of new aliphatic-aromatic organotin compounds of the  $(C_6H_5)_2SnR_2$  and  $(C_6H_5)_3SnR$  type, where R is n-heptyl, n-octyl, n-nonyl, n-decyl

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 10, 1962, 272-273, abstract 10Zh538 (Uzb. khim. zh., no. 1, 1961, 49-54)

TEXT: During searches for fungicides for the cotton plant heat-stable forms of  $(C_6H_5)_2SnR_2$  (I, where R is alkyl of normal structure) and forms of  $(C_6H_5)_3SnR$  which are partially symmetrized by distillation (II) were synthesized by Grignard's reaction. 10 mmoles of dry  $(C_6H_5)_2SnI_2$  is gradually mixed into a warm solution of n- $C_7H_{15}MgBr$  (from 0.042 g-atom Mg) in 30 ml ether, the mixture is boiled for 2 hours, the ether distilled off, the residue heated for 1.5 hours at 100-110°C, ether is added, the

Card 1/2

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107-57-7-50/56

AUTHOR: Snegurov, A. (Golubovka mine, Voroshilovgrad Oblast)

TITLE: Parts for an Amateur Tape Recorder. Experience Exchange  
(Detali dlya lyubitel'skogo magnitofona. Obmen opytom)

PERIODICAL: Radio, 1957, Nr 7, p 57 (USSR)

ABSTRACT: It is suggested that the spindle and the bushing from an old potentiometer be used as a tape-reel spindle and its bushing in a self-constructed tape recorder. It is claimed that such a substitute "reduces the amount of turning-lathe work" necessary for construction of the recorder.

AVAILABLE: Library of Congress

Card 1/1



FEDOROV, A.I.; SNEGUROV, G.P.; MUSIYENKO, A.A.

Effect of hybridization on the germinative capacity of sugar-beet  
seeds. Sakh. prom. 33 no.5:63-65 My '59. (MIRA 12:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly.  
(Sugar beets)

SNEIDERIS, M.; STUKONIENE, S.

On pulmonary candidiasis. Sveik. apsaug. 9 no.2:19-23 F'64.

1. Onkologijos mokslinio tyrimo institutas.

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SNEJDAR, V.

Direct-current characteristics of germanium diodes, p. 39, SDELOVACI  
TECHNIKA (Ministerstvo strojirentvi) Praha, Vol. 2, No. 2, Feb. 1954

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 4, No. 12, December 1955

SNEJDAR, V.

Effect of temperature on static characteristics of germanium diodes,  
p. 71, SDELOVACI TECHNIKA (Ministerstvo strojirenstvi) Praha, Vol. 2,  
No. 3, Mar. 1954

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 4, No. 12, December 1955

1955, 1.

Some practical uses of germanium diodes. p. 111.  
Scientific AMERICAN, Aug., Vol. 9, No. 8, pp. 111-112.

1. The use of germanium diodes in a transistor, (S.M.I.), Vol. 9, No. 10, Oct. 1955, p. 111.

1955, 7.

Europe's wide-brimmed hat. p. 101.

AMERICAN JOURNAL, London, Vol. 1, no. 1, Apr. 1954.

1955: Monthly List of East European Accessions, (JEL), LC, Vol. 4, no. 10, Oct. 1955,  
1955.

KWEDAR, V.; FRANK, H.

Germanium rectifiers with P-N junctions. p.2

SDĚLNÁCI TECHNKA. Praha, Czechoslovakia, Vol. 3, No. 1, Jan. 1955

Monthly List of East European Accessions (SEAI), LC. Vol. 8, No. 8, August 1959  
Uncl.

SMEJDA, V.

What are crystal electron tubes? p. 41

SDELUVACI TECHNIKA. Praha, Czechoslovakia. Vol. 3, No. 2, Feb. 1955

Monthly List of East European Accessions (EEAI), LJ. Vol. 8, No. 8, August 1959  
Uncl.



621.314.7  
5055. Point-contact transistors. H. FRANK, V. SNEJDAR AND V. ILBERG. *Slaboprávní Obzor*, No. 7, 350-7 (1955) in Czech.

EE  
Technology and constructional details of point-contact transistors are discussed, the physical principles of the transistor action are explained and the electrical properties of two types of the Czechoslovak point-contact transistors are described in detail. The glass-encapsulated transistors (NT40) have the following parameters: (1) power dissipation 100 mW, (2) max. collector and emitter currents of -3 mA and 5 mA, respectively, (3)  $r_{11} = 500 \Omega$ ,  $r_{12} = 120 \Omega$ ,  $r_{21} = 30-40 \Omega$ ,  $r_{22} = 12-20 \Omega$  and  $\alpha = 1.5-2$ , (4) power amplification of 13-17 db, and (5) max. operating temperature of 50°C. The transistors can be employed at frequencies up to and over 300 kc/s as amplifiers and up to 10 Mc/s as oscillators. Since the transistors are embedded in plastic, their mechanical stability is satisfactory. Tolerances in the electrical characteristics are sufficiently low to guarantee a successful mass production. The metal-encased transistors

operate with max. collector current of -2 mA, collector voltage of -7 to 10 V and emitter current of 0.5 mA. The paper is illustrated by a substantial number of experimental characteristics.

R. S. SIDOROWICZ

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Handwritten initials and scribbles.

SNEJDAR, V.  
CZECH

621,314.63

3092. Germanium junction rectifiers. H. FRANK  
AND V. SNEJDAR. *Slabopriudy-Otzer*, 16, No. 2,  
84-97 (1955) in Czech.

The constructional details of two types of medium power (50 V and 0.5 A) Ge rectifiers are given: (1) a diode enclosed in plastic, and (2) a metal-encased Ge valve. It is found that the current/voltage characteristics of the junction rectifiers can be closely expressed by a theoretical formula. A number of curves shown illustrate the effect of temperature and frequency on the electrical parameters of the valves in various circuits. It is thought that Ge diodes will find application primarily in rectifying circuits owing to their exceptionally high efficiency (up to 98%). A table listing various relevant data of some American

and German Ge junction diodes is given for comparison.  
K. S. SIDOROWICZ

308

OK

SNEJDAR, V.

Point-contact transistors, p. 350, SLABOPROUDY OBZOR, (Ministerstvo  
strojirenstvi a ministerstvo spoju) Praha, Vol. 16, No. 7, July 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 4, No. 12, December 1955

SNEJDAR, Vaclav, inz.

Some new trends in the research on electronics in the next few years. Slaboproudý obzor 24 no.9:503-510 S '63.

1. Statni komise pro rozvoj a koordinaci vedy a techniky, Praha.

SNEJDAR, V.

"Molecular science and molecular engineering" by A. R. von Hippel. Reviewed by V. Snejdar. Jaderna energie 9 no. 12: 404 D '63.

KRIVSKY, L.; SALAVA, T.; SNEJDAREK, I.

Recording the ionizing emission of flares and eruptive prominences  
by the receiver of atmospheric at the Ondrejov Observatory.  
Biulleten astron inst 14 no.1:5-9 '63.

1. Astronomical Institute of the Czechoslovak Academy of Sciences,  
Ondrejov (for Krivsky). 2. Institute for Research and Development  
of Electroacoustics, Prague (for Salava and Snejdarek).

SNEJDANEK, Ivan

High-intensity sound loudspeakers. Sial tech 13 no.2:44-46  
F '65.

ACC NR: AP6023819

SOURCE CODE: CZ/0014/66/000/002/0046/0047

AUTHOR: Snejdarek, Ivan; Salava, Tomas (Engineer)

ORG: none

12  
B

TITLE: Problems encountered in raising the power load of pressure-type loudspeakers

SOURCE: Sdelovaci technika, no. 2, 1966, 46-47

TOPIC TAGS: amplifying equipment/Tesla B-45 amplifying equipment

ABSTRACT: The article presents a survey of the problems which arise in raising the power load of pressure-type loudspeakers and an analysis of the stress of individual components of the Tesla B-45 loudspeaker in service. Orig. art. has: 4 figures. [JPRS]

SUB CODE: 09 / SUM DATE: none / ORIG REF: 002 / OTH REF: 001

Card 1/1 *dy*

0915

1518



1955, p. 1.

Testing the quality of slickers. p. 135.

The need for low-cost sacks in the cement and lime industries. Dr. Franz  
Muller. p. 136.

Buying, a bottle-neck in brickmaking. p. 137.

CEMEX, Mexico, Vol. 31, no. 7, July 1955.

See: Monthly List of Great European Accessions, (1955), 10, Vol. 1, no. 1, Oct. 1955,  
1955.

L 34531-66

ACC NR: AP6024771

SOURCE CODE: (7/0014/65/000/007/0242/0244

AUTHOR: Salava, Tomas (Engineer); Snejdarek, Ivan

ORG: none

2/  
B

TITLE: Horn speaker with large acoustic power

SOURCE: Sdelovaci technika, no. 7, 1965, 242-244

TOPIC TAGS: acoustic property, amplifying equipment/TESLA B45 amplifying equipment

ABSTRACT: The present article presents detailed information about the properties of horn speakers and about special problems in designing and making them, and simultaneously about the new TESLA B45 unit. Formulas are given and the functioning of the speakers is discussed. Orig. art. has: 10 figures and 16 formulas. [JPRS]

SUB CODE: 09, 20 / SUBM DATE: none / ORIG REF: 002 / SOV REF: 001

OTH REF: 001

POLAND/Cultivated Plants - Medicinal. Essential Oils. Toxins. M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15877

Author : K. Snekhovskaya

Inst : The State Scientific Institute for Raw Medicinal Plants.

Title : The Biology of Development of the Himalayan Scopolia.  
(Biologiya razvitiya skopolii gimalayskoy).

Orig Pub : Biul. Fanstw. inst. leczn. surow. resl. Poznaniu,  
1956, 2, No 3, 153-159.

Abstract : Experimentation in the artificial pollination of the  
Himalayan scopolia (*Scopolia lurida* Dum. family  
Solanaceae) has shown that the best results are gotten  
from pollinating the flowers in the beginning stages of  
development. The seeds obtained in this manner displayed  
90% germinating power. The scopolia winters well in the  
conditions of Poland and there is much evidence that it  
will acclimatize.

Card 1/1

SNEKSZER, Mikaly, dr.

A case of blastomycosis of the Gilchrist type. *Borgyogy. vener.*  
szemle 11 no.2-3:124-125 Apr-June 57.

1. Budapesti Orvostudományi Egyetem Bor- és Nemikortani Klinika  
(igazgató: dr. Földvári Ferenc egyetemi tanár) közleménye.  
(BLASTOMYCOSIS, case reports  
(Hun))

SNEKSZER, Mihaly, dr.

Simultaneous occurrence of familial cystic adenoidal epithelioma (trichoepithelioma) and basalioma. Borgvogy.vener.szemle 35 no.6:282-285 D '59.

1. Budapesti Orvostudományi Egyetem Bor- és Nemikortani Klinikájának (Igazgató: Foldvari Ferenc dr. egyetemi tanár) közleménye.

(CARCINOMA, BASAL CELL genetics)

SNEKSZER, Mihaly, dr.

Eruptive verruca after cortisone therapy. Borgyogy. vener. szemle  
37 no.2:69-73 Ap '61.

1. A Budapesti Bor- es Nemikortani Klinika (Igazgato: Foldvari  
Ferenc dr. egyetemi tanar) kozlemenye.  
(CORTISONE TOXICOL)  
(PAPILLOMA)

[HUNGARY

TOROK, Eva, Dr., SNEKSZER, Mihaly, Dr.; Medical University of Budapest, Dermatological and Venereological Clinic (Budapesti Orvostudományi Egyetem, Bor- és Nemikortani Klinika).

"Some Features of Skin Symptoms in Lymphoid Leukemia."

Budapest, Orvosi Hetilap, Vol 103, No 46, 2 Dec 62, pages 2273-2276.

Abstract: [Authors' summary] The authors discuss 15 cases of dermatological symptoms connected with lymphoid leukemia. Based on their own observations and on the results of a literature survey they conclude that these symptoms can be histologically specific, aspecific and of a transient nature.

[Of 18 references, 3 are Soviet-bloc, 15 Western]

L  
1/1

YUG/4-59-2-31/37

Šneler, S., Engineer

Oils for Metal Casting Cores (Ulja za jezgre kod  
lijevanja metala).

Nafta, 1959, Nr 2, pp 83-84 (YUG)

The article describes the properties of various bonding  
agents for silicate sand cores used in metal casting,  
i.e. pitch, certain oils, hydrocarbons, maize and  
wheat flour, sulfite pulp, etc.



SNELER, Slavko, inz.

Lubrication of ship's diesel engines, with a special emphasis on the wear and tear and the wanting cleaning of the cylinders at the use of heavy fuels for ship's operation. Brodogradnja 8 no.2:41-59 '57.

SNEELMAN, O, 1948

(Inst. of Physical Chem. Unive. of Upsala, Sweden)

"Electrophoretic Investigations of Crystallized Myosin. "

Biochemica et Biophysica Acta, , 1948, 2/6(642-649)

Abst: Exc. Med. 11, Vol. 11, No. 11, p. 1384

S/123/61/000/020/025/035  
A004/A101

AUTHOR: Snel'son, D. N.

TITLE: Using exothermic heating of risers in the production of steel castings

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 20, 1961, 12, abstract 20885 (v sb. "25-y Mezhdunar. kongress liteyshchikov, 1958", Moscow, Mashgiz, 1961, 559-584)

TEXT: The author presents a calculation method, differing from the conventional one, of determining the most economical dimensions of risers lined with exothermic materials or risers which are used to obtain dense castings from standard carbon steels. This method can be used for steel casting shops of piece or small-batch production, where it is not expedient to make a special mold for exothermic risers for each individual casting. Therefore, a standard, open cylindrical riser was used. The author analyzes the properties of the exothermic materials being molded, molding method, drying temperature, effect of the refractoriness and mechanical strength of exothermic materials on the process of metal freezing; efficiency of exothermic lining materials depending on the

Card 1/2

Using exothermic heating of risers ...

S/123/61/000/020/025/035  
A004/A101

rate of reaction taking place in the lining; ignition point of exothermic materials; effect of the gate system and pouring temperature. A characteristic of exothermic risers is given. The author analyzes the effect of the diameter, height and thickness of exothermic lining and their interdependence, and investigates standard designs of efficient exothermic risers and the economy of their application. There are 20 figures. ✓

G. Pevzner

[Abstracter's note: Complete translation]

Card 2/2

SNEPER, D.

New wage system for builders. Sov.profssoiuzy 3 no.11:16-19 N '55.  
(MLRA 9:1)

1.Zaveduyushchiy sektorom otzela zarabotnoy platy Vsesoyuznogo TSen-  
tral'nogo Soveta professional'nykh soyuzov.  
(Wages) (Construction industry)

SNEPS, M.; ~~ARINS, E.~~

GENERAL

PERIODICAL: VESTIS, No. 6, 1958

SNEPS, M.; ~~ARINS, E.~~ Symbolic programming for an electronic-calculating machine of the Latvian Academy of Sciences. In Russian. p. 101.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 2,  
February 1959, Unclass.

SNERDRLE, M.

Damping of noise in large ducts. p. 27.

Ceskoslovenska vedecka technika spolecnost pro zdavotni techniku a  
vzduchotechniku, Praha, Czechoslovakia, Vol. 4, 1959.

Monthly List of East European Accessions, (EEAI) LC, Vol. 8, No. 7, July 1959.

Uncl.

BAKHSHALIYEV, Yu.F.; SNESAR', A.M.

Miners of the Dalvostugol' Combine struggle to carry out the resolutions of the 22d Congress of the CPSU. Ugol' 37 no.8: 14-17 Ag '62. (MIRA 15:9)

1. Nachal'nik kombinata Dal'vostugol' (for Bakshaliyev).
2. Starshiy inzh. proizvodstvenno-tekhnicheskogo otdeleniya kombinata Dal'vostugol' (for Snesar').  
(Raichikhinsk Basin--Coal mines and mining--Labor productivity)



CHEREMUKHIN, I.K.; KHODICH, M.A.; SNESAR', N.F.

Developing new types of chemical products. *Gidroliz. i lesokhin.*  
prom. 16 no.4:18-19 '63. (MIRA 16:7)

1. Ferganskiy gidroliznyy zavod.  
(Fergana—Chemistry, Technical)

CHERNOVA, K.I., patronazhnaya sestra; ~~SNESAR~~<sup>1</sup>, M.P., patronazhnaya sestra.

Work experience in the visiting nurses' territory of the district tuberculosis center. Med.sestra no.12:17-19 D '53. (MLRA 6:12)

1. Tuberkuleznyy dispanser, Odessa.  
(Nurses and nursing) (Tuberculosis)

SHEGAREV, G. A. AND G. M. NIKOLAFVSKII

Ispol'zovat' rezervy v konstruktsii kranov.  
(Vestn. Mash., 1950, no. 10, p. 25-30)

DLC: TML.VI

(Utilization of reserves in the crane construction.)

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

СЫСОНОВ, А. А.

СЫСОНОВ, А. А. - "Dynamics of the Mechanism of Lifting a Bridge Crane." Min of Higher Education USSR, Moscow Order of Labor Red Banner Higher Technical School imeni Bauman, Moscow, 1955 (Dissertations for Degree of Candidate of Technical Sciences)

SO: Knizhnaya Leto is' No. 26, June 1955, Moscow

VERNIK, Aleksandr Borisovich; BURMISTROV, P.I., kandidat tekhnicheskikh nauk, retsenzent; BOGUSLAVSKIY, P.Ye., kandidat tekhnicheskikh nauk, retsenzent; MEKLER, A.G., kandidat tekhnicheskikh nauk, retsenzent; NIKOLAYEVSKIY, G.M., kandidat tekhnicheskikh nauk, retsenzent; ~~SNESAROV, G.A.~~, kandidat tekhnicheskikh nauk, retsenzent; FINKEL'-SHEYN, B.Ya., kandidat tekhnicheskikh nauk, retsenzent; KAZAK, S.A., kandidat tekhnicheskikh nauk, redaktor; POPICHENKO, M.N., inzhener, redaktor; DUGINA, N.A., tekhnicheskiiy redaktor;

[Bridge cranes of great lifting power; design, calculation, and installation] Mostovye krany bol'shoi gruzopod'emnosti; konstruirovaniye, raschet i izgotovlenie. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. (MLRA 10:2)  
(Cranes, derricks, etc.)

*28-4-2/35*  
AUTHOR: Snesarev, G.A., Candidate of Technical Sciences 28-4-2/35  
TITLE: Unification and Normalization of Materials' Handling Machines  
(Unifikatsiya i normalizatsiya pod"yemno-transportnykh mashin)  
PERIODICAL: Standartizatsiya, 1957, # 4, pp 6 - 13 (USSR)

ABSTRACT: The article discusses the general principles, theory, present state of development, and organization of normalized production of the subject machine class, in which only a few machines are being produced in large numbers, as for instance telfers. The products of single plants are mostly already unified, but similar machines made by different plants are not interchangeable thus far, which has led to large stocks of spares and makes the centralized production of spares practically impossible. Only a few parts are unified or normalized throughout an entire industrial branch.

Unification has three stages, each constituting a prerequisite for the next. These are: typification of the technologic processes and rigging, unification of components and parts within one type of machines, and aggregation. The latter means joining together ready components which are unified (made alike) for the entire industrial branch and not tied to a base pattern.

Card 1/3

28-4-2/35

Unification and Normalization of Materials' Handling Machines

Uniformity of the "aggregates" over an entire range of machines is not always practical and can at times be impossible, but in most cases the optimum series for a group of aggregates can be expressed in a geometric progression with a constant or varying denominator. However, the ratio between the load series and the dimension series depends on the kind of aggregates (for carriage wheels this ratio is linear, for electrohydraulic pushers it is square, and for gear reducers, brakes and drums - cubic; the arithmetic progression is frequently used in practice).

The "aggregation" reduces the designer's work to selecting components and combining the components on a frame. However, the full advantage of "aggregation" is only obtainable by centralizing the production of the components at special plants.

Normalization meets difficulties because of the necessary changes in the routine technology and engineering traditions, and also because of the limited possibilities of a plant. By now, reducers of all types, but not all sizes, brakes - except large sizes - small gear couplings, and electro-hydraulic pushers are being produced centrally.

Card 2/3

Unification and Normalization of Materials' Handling Machines 28-4-2/35

The author gives organizational recommendations for production as a whole, and suggests redesigning of the existing standard series of overhead traveling cranes.

The article includes a chart illustrating the normalized components now available in the industry.

There are 3 charts.

AVAILABLE: Library of Congress

Card 3/3



SOV/28-58-6-7/34

AUTHOR: Snesarev, G.A., Candidate of Technical Sciences

TITLE: A Better Designed Series of Brakes (Ratsional'nyy ryad tormozov)

PERIODICAL: Standartizatsiya, 1958, Nr 6, pp 31-33 (USSR)

ABSTRACT: The crane brake is one of the principal unified parts of material handling machines. The development of a rational series of brakes is an important problem. Brakes of a given diameter have different torques depending on their drive. The torques for brakes with a-c electromagnets are given in table 1, for brakes with electrohydraulic pushers in table 2. The minimum power of a crane engine being 1.4 kw, the minimum torque is 2-2.5 kg m, the maximum torque 1,250 kg m. A formula is given showing the relation of the torque to the diameter of the pulley. The relation of the brake shoe breadth to the pulley diameter  $\psi$  is taken as 0.4. A normal series of brakes with the

Card 1/2

A Better Designed Series of Brakes

SOV/28-58-6-7/34

corresponding torques calculated by the given formula is shown in table 3. The sizes of the principal parts of a crane with a brake of 320 mm diameter is given in table 4. The VNIPTMASH has developed an experimental brake TT320 (see Figure). Its weight is only 53 kg due to improvements in design as compared to 100 kg for the brake TKTT300. There are 4 tables and 1 set of diagrams.

ASSOCIATION: VNIPTMASH

Card 2/2

NIKOLAYEVSKIY, G.M., kand.tekhn.nauk; SNESAREV, G.A., kand.tekhn.nauk;  
BALASHOV, V.P., kand.tekhn.nauk; AKSENOV, I.P., kand.tekhn.nauk;  
MEKLER, A.G., kand.tekhn.nauk; SPITSYMA, I.O., kand.tekhn.nauk;  
ZORIN, Z.M., inzh.; VOROBKOV, G.N., inzh.; IVASHKOV, I.I., kand.  
tekhn.nauk; OSIPOVA, L.A., red.izd-va; MODEL', B.I., tekhn.red.

[Design of crane mechanisms and parts of hoisting and conveying  
machinery] Raschety kranovykh mekhanizmov i detalei pod"emno-  
transportnykh mashin. Izd.2., perer. i dop. Moskva, Gos.nauchno-  
tekhn.izd-vo mashinostroit.lit-ry, 1959. 493 p.

(MIRA 13:11)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut  
pod"yemno-transportnogo mashinostroyeniya.

(Cranes, derricks, etc.) (Hoisting machinery)  
(Conveying machinery)

STEPIN, P.A., dotsent, kand.tekhn.nauk; SNESAREV, G.A., kand.tekhn.nauk;  
GRIGOLYUK, E.I., prof., doktor tekhn.nauk, retsenzent; VOSKRESENSKIY,  
N.N., inzh., red.; DOBRITSINA, R.I., tekhn.red.; SOKOLOVA, T.V.,  
tekhn.red.

[Economizing materials in designing machinery] *Ekonomiia materialov  
pri konstruirovani mashin.* Moskva, Gos.nauchno-tekhn.izd-vo mashi-  
nostroit.lit-ry, 1960. 169 p. (MIRA 14:1)

1. Chlen-korrespondent AN SSSR (for Grigolyuk).  
(Hoisting machinery--Design) (Materials)

SNESAREV, G.A.; KONGVALCV, L.V.

Standardization of crane mechanisms and regulation of their  
operating conditions. Standartizatsiia 25 no.8:15-19 Ag '61.  
(MIRA 14:7)

(Cranes, derricks, etc.---Standards)

SMESAREV, G.A., kand.tekhn.nauk

Brakes with hydroelectric pushers. Vest.elektroprom. 33 no.1:  
57-59 Ja '62. (MIRA 14:12)

(Brakes)  
(Hydraulic control)

*SPAS-7124, 92.*  
SNESAREV, G.L.

Airtight cabins for crane operators. Bezop. truda v prom. 2  
no.1:25 Ja '58. (MIRA 11:1)  
(Cranes, derricks, etc.)

SHESAREV, G. F.

"O reliktnykh mazyshkikh soyuzov v istorii narodov Sredney Azii."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,  
Moscow, 3-10 Aug 64.



CA

7

A new method of employing the spectrocope in quantitative analysis. Simplified spectrophotometer. K. A. Snesarev and F. M. Shemyakif. *J. Gen. Chem.* (U. S. S. R.) 7, 1811-18 (1937).—A description is given of a very simple app. built with a "Feuss-Berlin-Steglitze" spectrocope, for quant. analysis by the spectrophotometric method. Detn. of  $\text{CuSO}_4$  and  $\text{CoSO}_4$  could be made within 2-3% when the salts were in sep. solns. and within 3-4% when together in the same soln. S. L. M.

ASB-55-A METALLURGICAL LITERATURE CLASSIFICATION

BRIDGES, F. A.

Shesarev, K. A. - "The general principles of increasing the precision of quantitative analysis", (report), Soobshch. o nauch. resheniyah chlenov Vsesoyuz. khim. o-va im. Mendeleeva, 1949, Issue 2, p. 1-2.

SO: U-4630, 16 Sept. 53, (Leningrad's Zhurnal Nykh Steey, No. 23, 1949).

SVESAREV, K. A.

"General Principles for Increasing the Accuracy of the Methods of Quantitative Analysis and Their Use in the Photoelectrocolorimetric Method of Optical Compensation." Sub 11 May 51, Moscow Order of Lenin State U imeni M. V. Lomonosov.

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

SO: Sum. No. 480, 9 May 55

SHEN'OV, K. A.

Factory Management

General principles for increasing accuracy of production control methods. Ser. i les khim. pr.m. 1 No. 3, 1952.

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

S. SANEV, K. A.; VOL'PIAN, B. L.

Wood - Moisture

New method for determining moisture in resinbearing chips,  
Der. i lesokhim. prom. 1 No. 9, 1952

Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

SNESARHV, K.A.

General principles for increasing the accuracy of quantitative analysis and application of these principles to the photoelectric colorimetric method of optical compensation. Trudy Kom. anal. khim. 4:282-299 '52. (MIRA 11:6)

(Chemistry, Analytical—Quantitative)

SNESAREV, K.A., doktor khimicheskikh nauk; VOROB'YEVA, M.T., nauchnyy sotrudnik.

Speedy method for determining the temperature of rosin softening without using mercury. Der.i lesokhim.prom. 2 no.9:15-17 S '53. (MLRA 6:8)

1. TsNILKhl.

(Gums and resins)

FEFILOV, V.V.; SNESAREV, K.A.; PERSHANOVA, M.G.; FILONENKO, Ya.R.

Crushing as a method for increasing the wood pulp yield of slash.  
Gidroliz. i lesokhim. prom. 8 no.1:6-7 '55. (MLRA 8:10)

1. Tsentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy institut  
(Wood pulp)



SNESAREV, K.A., dōkter khimicheskikh nauk.

Theory of sampling and its application in wood chemistry.  
Gidroliz. i lesokhim.prom. 8 no.7:8-10 '55. (MLRA 9:4)

1. Tsentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy  
institut.  
(Wood--Chemistry) (Sampling (Statistics))

SUMAROKOV, Viktor Pavlovich; GORDON, Lev Vladimirovich; PLATUNOV, N.A.,  
retsensent; CHASHCHIN, A.M., retsensent; SNESAREV, K.A., redaktor;  
FEDOROV, B.M., redaktor izdatel'stva; KARASIK, N.P., tekhnicheskiy  
redaktor

[Chemical and technical control in wood pulp production] Khimiko-  
tekhnicheskiy kontrol' lesokhimicheskikh proizvodstv. Moskva,  
Goslesbumizdat, 1956. 257 p. (MLRA 10:4)  
(Woodpulp industry)

SNESAREV, K.A.; VOROB'YEVA, M.T.; AGEYEV, M.Ye.

Rapid method for determining the temperature of colophony softening. *Gidroliz. i lesokhim. prom.* 9 no.4:17-18 '56.

(MLRA 9:11)

1. Tsentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy institut.

(Gums and resins)

SNESAREV, K.A.; VOROB'YEVA, M.T.; ZARAKOVSKAYA, A.I.

Rapid method for determining moisture in gum. *Gidroliz.*  
i lesokhim. prom. 9 no.4:19 '56. (MLRA 9:11)

1. Tsentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy  
institut.

(Gums and resins)

SNESAREV, K.A.; VOROB'YEVA, M.T.

Apparatus for determining the softening temperature of wood  
pitch and abietic tar. *Gidroliz. i lesokhim. prom.* 9 no.8:  
17 '56. (MLRA 10:2)

1. Tsentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy institut.  
(Chemical apparatus) (Pitch) (Tar)

SNESAREV, A.M.; V. KOBYLTA, M.T.

Evaluation of turpentine color. *Gidroliz. i lesokhim.prom.* 10  
no.6:17-18 '57. (MIRA 10:2)

I.Tsentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy institut.  
(Turpentine--Standards)

SNESAREV, K.A.; VOROB'YEVA, M.T.

Present state and objectives for the improvement of the quality control  
of rosin. Sbor.trud. TSNILKHI no.12:151-166 '57. (MIRA 13:10)  
(Gums and resins---Quality control)

SNESAREV, K.A.; ZARAKOVSKAYA, A.I.

Establishing standards for sampling oleoresin. *Gidroliz.i*  
*lesokhim.prom.* 12 no.6:7-8 '59. (MIRA 13:2)

1. Tsentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy  
Institut.

(Gums and resins)



SNESAREV, K. A. ; VOROB'YEVA, M. T.

Method and standards for the selection of rosin samples. Sbor.trud.  
TSNILKHI no.13:129-140 '59. (MIRA 13:10)  
(Gums and resins)

SNESAREV, Kirill Andreyevich; ZARAKOVSKAYA, Anna Iosifovna; VORCB'YEVA, Mariya Trofimovna; SUMAROKOV, V.P., red.; IOFINOVA, TS.B., red. izd-va; PARAKHINA, N.L., tekhn.red.

[Metrological principles of the analytical control of chemical industries] Metrologicheskie osnovy analiticheskogo kontrolya khimicheskikh proizvodstv. Moskva, Goslesbumizdat, 1960. 205 p. (MIRA 13:9)

1. Tsentral'nyy nauchno-issledovatel'skiy lesokhimicheskii institut (for Sumarokov).  
(Chemistry, Analytic--Quantitative)

СМЕШАННВ, К. А., ИТОВА, Е. П. и ГОЛЫНТС, Н. Г.

"Application of the analytical computation method to evaluation of errors in paper chromatography and to refining of the measurement of crystallization temperature"

Report presented at a symposium on the mathematical processing of analytical data was held on 3 March 1964 at the Institute of Geochemistry and Analytical Chemistry, Acad. Sci. USSR

(State Design and Planning Scientific Research Institute of the Nitrogen Industry)

SNESAREV, K. A.

"Basic postulates of the theory of evaluation of accuracy"

Report presented at a symposium on the mathematical processing of analytical data was held on 3 March 1964 at the Institute of Geochemistry and Analytical Chemistry, Acad. Sci. USSR

(State Design and Planning Scientific Research Institute of the Nitrogen Industry)

USOVA, E.P.; SNESAREV, K.A.

Quantitative determination of amino acids with the aid of  
quinhydrone. Report No.1: Determination of  $\alpha$ -aminoanthic  
acid. Zhur. anal. khim. 19 no.2:243-247 '64. (MIRA 17:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy  
institut azotnoy promyshlennosti i produktov organicheskogo  
sinteza, Moskva.

ILOVA, E.P.; UNESAREV, K.A.

Quantitative determination of amino acids with the aid of  
quinhydrone. Report No.2: Quantitative paper chromato-  
graphy of higher  $\alpha$ -amino acids. Zhur. anal. khim. 19  
no.3:379-382 '64. (MIRA 17:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy  
institut azotnoy promyshlennosti i produktov organicheskogo  
sinteza, Moskva.

BELOVA, R.I., SNEGALSKY, F.S.

Quantitative determination of amino acids by means of quinhydrone.  
Report No. 32. Reaction between  $\alpha$ -amino acids and p-benzoquinone.  
Zhur.anal.khim. 19 no.9:1147-1154 '64. (MIRA 17:10)

L. State Scientific-Research and Design Institute of the Nitrogen  
Industry and the Products of Organic Synthesis, Moscow.

SNESAREN, K.A.; KUMENYIKOVA, L.P.

Method of determining chlorocarboxylic acids. Zav. lab. 31 no.1:  
36-37 1955. (MIRA 18:3)

1. Gosudarstvennyy institut azotnoy promyshlennosti i produktov  
organicheskogo sinteza.



SNESAREV, M.

Rewards of the Exhibition of Achievements of the National Economy  
of the U.S.S.R. presented to builders of Ryazan Province. Sel'.  
stroitel. no.8:21-22 Ag '62. (MIRA 15:11)

1. Direktor pavil'ona "Sel'skoye stroitel'stvo" razdela  
"Stroitel'stvo" Vystavki dostizheniy narodnogo khozyaystva SSSR.  
(Ryazan Province--Construction industry)

GAL' BINSHTEYN, Z.N., inzh.; IL'INA, N.F., inzh.; NAUMOVA, M.V., inzh.;  
FILINA, T.A., inzh.; KHODOS, M.M., inzh.; GOL'DMAN, Zh.I.;  
PATALAKH, V.G.; SHESAREV, M.M.; VUL'FSON, Ye.S., inzh.;  
KONSTANTINOVA, L.A., inzh.; SKOBELEVA, A.M., inzh.; TEL'NOVA,  
Ye.V., inzh.; KHEYFETS, L.S., inzh.; SELENEVICH, A.S.;  
NEDOVESENKO, M.V.; VOLKOVA, A.Ye.; NOVITSKIY, L.M., nauchn.red.;  
NEFEDOV, S.F., red.; ROSTOTSKIY, V.K., red.; GORDEYEV, P.A., red.  
izd-va; YUDINA, L.A., red.izd-va; VDOVENKO, Z.I., red.izd-va;  
GOL'BERG, T.M., tekhn.red.; KOROBKOVA, N.I., tekhn. red.

[Album of new construction equipment recommended for adoption]  
Al'bom novoi stroitel'noi tekhniki, rekomenduemoi k vnedreniiu.  
Moskva, Gosstroizdat, 1963. No.1. [Industrial construction] Pro-  
myshlennoe stroitel'stv. 116 p. No.3. [Construction for transporta-  
tion purposes] Transportnoe stroitel'stvo. 91 p. No.4. [Rural  
construction] Sel'skoe stroitel'stvo. 71 p. No.5. [Building  
materials, products, and elements] Stroitel'nye materialy, izde-  
liia i konstruksii. 41 p. No.8. [Construction and road machinery  
and equipment] Stroitel'nye i dorozhnye mashiny i oborudovanie.  
104 p. (MIRA 16:8)

(Building materials) (Road machinery)  
(Construction equipment)

OREKHOV, A. P.; SNESAREV, V. L.; KLIMENT'YEV, I. M.

The POK-1,2 machine for harvesting paternal types of corn. Biul.  
tekhn.-ekon.inform. no.11:51-53 '60. (MIRA 13:11)  
(Corn picker (machine))

SNESAREV, V.L., inzh.

PTU-10 universal tractor trailer. Trakt.i sel'khoz mash. 31 no.8:43  
Ag '61. (MIRA 14:7)

(Tractors---Trailers)