L 19578-65 EWT(d)/FSS-2/EEC-4/EEC(t) Pn-4/Pp-4/Pac-4

ACCESSION NR: AP4048444 S/0106/64/000/010/0017/0024

AUTHOR: Beletskiy, A. F.

TITLE: Amplitude shift method of forming a single-band signal

SOURCE: Elektrosvyaz', no. 10, 1964, 17-24

TOPIC TAGS: radio telegraphy, amplitude shift keying

ABSTRACT: The possibility of a new method of synthesizing a single-band signal (or channel) having a specified linear phase-frequency characteristic is substantiated. The source signal is fed to two linear quadripoles with transfer constants $S_1(i\eta)$ and $S_2(i\eta)$. Within the frequency band $\sqrt{\kappa} \leqslant \eta \leqslant \frac{1}{\sqrt{\kappa}}$, normalized with respect to the midfrequency of the source signal, these conditions are satisfied:

$$\arg S_2(i\eta) = \arg S_1(i\eta) + \frac{\pi}{2},$$

$$|S_2(i\eta)| \approx |S_1(i\eta)|,$$

$$\arg S_1(i\eta) = a_1 \approx \tau\eta,$$

Card 1/2

L 19578-65

ACCESSION NR: AP4048444

Realizability of the quadripoles is mathematically proven. After the quadripoles, the signals are fed to balanced modulators (one carrier being shifted by 90°) and again combined, resulting in a single-band output signal. The forming quadripoles are synthesized by using fractional rational functions of a minimum possible order. Orig. art. has: 1 figure and 40 formulas.

ASSOCIATION: none

SUBMITTED: 29Jan63

ENCL: 00

SUB CODE: EC

NO REF SOV: 004

OTHER: 000

Card 2/2

ACC NR: AP6009496 SOURCE CODE: UR/0106/66/000/003/0003/0010

AUTHOR: Beletskiy, A. F.; Lebedev, A. T.

ORG: none

TITLE: Synthesis of adjusted filters on the passive elements

SOURCE: Elektrosvyaz', no. 3, 1966, 3-10

TOPIC TAGS: electric filter, signal element, radar signal analysis, radio signal, pulse duration modulation

ABSTRACT: A synthesis was formulated for the linear passive quadripole with end-point concentrated elements having characteristics which reproduce the property of adjusted filters for the arbitrary signal of the end duration. Canonical diagrams of the adjusted filters have been found. Problems of adjusted filters on elements with losses were analyzed. Orig. art. has: 2 figures and 15 formulas. [Based on author's abstract]

[NT]

SUB CODE: 17, 09/ SUBM DATE: 07Oct65/ ORIG REF: 002/ OTH REF: 002

Card 1/1 BK UDC: 621.372.5

BELETSKIY, A.F., inzh.; PASHKOV, P.D., inzh.

Reinforced concrete construction elements of multirope hoisting units. Shakht. stroi. 4 no.4:12-15 Ap '60. (MIRA 13:11)

1. Khar'kovskoye otdeleniye Gosudarstvennogo proyektnogo instituta Promstroyproyekt.
(Mine hoisting)

BELETSKIY, Aleksandr Ivanovich [Bilets'kyi, O.I.], akademik; VOLYNSKIY, Petr Konstantinovich [Volyns'kyi, P.K.], prof.; PIL'GUK, Ivan Ivanovich[Pil'huk, I.I.], dots.; MAKHLIN, N.B., red.; GORBUNOVA, N.M.[Horbunova, N.M.], tekhn. red.

[Ukrainian literature]Ukrains'ka literatura; pidruchnyk dlia 9 klasu serdn'oi shkoly. Za zahal'noiu red. O.I. Bilets'koho. Vyd.15. Kyiv, Derzh.uchbovo-pedagog.vyd-vo "Radians'ka shkola," 1962. 278 p. (MIRA 16:4)
(Ukrainian literature--History and criticism)

BELETSKIY, B., inzh. (g. Gorlovka)

On Donets waterways. Izobr.i rats. no.12:12-13 D '58.
(MIRA 11:12)

1. Tekhnicheskiy otdel upravleniya "Donbasskanalstroy."
(Donets Basin--Canals)

BELETSKIY, B., inzh.

Window blocks with double panes. Stroitel' no.3:15 Mr '59.
(MIRA 12:6)
(Windows)

BELETSKIY, B., inzh.

Using reinforced cement instead of wood. Stroitel' no.2:19 F '60. (MIRA 13:5)
(Cement)

BELETSKIY, B.F.

Construction of the Northern Donets-Donets Basin water conduit.
Vod.i san.tekh. no.3:3-7 Mr '60. (MIRA 13:6)
(Northern Donets-Donets Basin Canal)

BELETSKIY, B.F., inzh.

Reinforced cement covers for steam chambers. Bet.i zhel.-bet. no.4:176-177 Ap '60. (MIRA 13:8)
(Autoclaves)

BELETSKIY, B.F.

Placing a precast reinforced concrete seepage-reducing lining in a canal bed. Vod.i san.tekh. no.8:14-18 Ag '60. (MIRA 13:7)
(Northern Donets-Donets Basin Canal--Precast concrete construction)

BELETSKIY, B.F., inzh.; VERESHCHAGIN-YANKO, O.A., inzh; KAPALET, V.D., inzh.

Machine for finishing the slopes and bottom of canals. Mekh.i avtom. proizv. 15 no.2:42-43 F '61. (MIRA 14:2)
(Earthmoving machinery)

BELETSKIY, B., inzh.

Arrangement of storm mains under a channel bed. Prom.stroi. i inzh.soor. 3 no.2:39-41 Mr-Ap '61. (MIRA 15:3)
(Sewerage)

SEDOV, P.G., inzh.; BELETSKIY, B.F.

Long pressureless pipes with large diameters. Bet.i zhel.-bet. no.8:357-360 Ag '61. (MIRA 14:8)

(Pipe, Concrete)

BELETSKIY, B.F., inzh.

Effect of a cloudburst on the precast reinforced concrete facing of a canal during its construction. Gidr. stroi. 31 no.9:41 S '61. (MIRA 14:12)

(Northern Donets—Donets Basin Canal)
(Precast concrete construction)

BELETSKIY, B.F., inzh.

Construction of a large-diameter metal pipeline on a foundation undercut by mining. Stroi.truboprov. 6 no.10:18-20 O '61. (MIRA 14:10)

1. Donbasskanalstroy, Stalino.
(Pipelines)

SEDOV, P.G. (Stalino); BELETSKIY, B.F. (Stalino)

Construction of filtering stations from precast reinforced concrete. Vod. i san. tekh. no.110:12-16 O '61.
(MIRA 14:11)
(Water--Purification)
(Precast concrete construction)

BELETSKIY, B., inzh.

Water supply structures made of large slabs. Stroitel' no.11: 5-7 N '61. (MIRA 15:1)
(Precast concrete construction) (Water supply)

BELETSKIY, B.F., inzh.; VERESHCHAGIN-YANKO, O.A., inzh.

Use of protective casings on large-diameter metallic pipes.
Mont. i spets. rab. v stroi. 23 no.11:7-9 N '61. (MIRA 16:7)

1. Trest Donbasskanalstroy.
(Pipelines)

SEDOV, P.; ZINOV, I.; BELETSKIY, B., starshiy inzhener

Rapid construction of large tanks made of precast reinforced concrete. Prom.stroi.i inzh.soor. 4 no.1:41-46 Ja-F '62. (MIRA 15:8)

1. Nachal'nik upravleniya "Donbasskanalstroya" (for Sedov).
2. Nachal'nik tekhnicheskogo otdela "Donbasskanalstroya" (for Zinov).

(Tanks) (Precast concrete construction)

BELETSKIY, B.F., inzh.

Water recervoirs of precast reinforced concrete. Bet. i zhel.-bet. 8 no.3:122-126 Mr '62. (MIRA 15:3)
(Reservoirs) (Precast concrete construction)

BELETSKIY, B.; PRODOS, N.

Universal lubricants for molds. Stroitel' 8 no.6:24-25 Je '62.
(MIRA 15:7)

(Lubrication and lubricants)
(Precast concrete)

BELETSKIY, B.

Plow for laying the grounding. Stroitel' 8 no.11:14 N '62.
(MIRA 16:1)
(Electric currents—Grounding)

BELETSKIY, B.F., inzh.

Installation of large-diameter delivery conduits made of prestressed concrete. Prom. stroi. 40 [i.e. 41], no.5:17-21 My '63. (MIRA 16:5)

1. Trest Donbasskanalstroy.

(Pipelines—Design and construction)
(Pipe, Concrete)

BELETSKIY, B.F., inzh. (Donetsk)

Problems of organizing the construction of purifying installations for water pipelines. Vod.i san.tekh. no.4: 1-4 Ap '65.

(MIRA 19:1)

BELETSKIY, B.F., inzh.

Efficient shape of reinforced concrete reservoirs in coal mines. Shakht. stroi. 9 no. 12:12-13 D '65. (MIRA 18:12)

1. Donetskiy PromstroyNIIproyekt.

BELETSKIY, B.F., inzh.

Plastic diffusers for water level lowering needle filters. Prom. stroi. 42 no.11:17-18 N '64. (MIRA 18:8)

SOV/124-57-5-5227

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 5, p 18 (USSR)

AUTHOR: Beletsky, B. Ya.

TITLE: The Design of Crank-rocker Mechanisms (Proyektirovaniye krivoshipno-koromyslovykh mekhanizmov)

PERIODICAL: Tr. Odessk. tekhnol. in-ta, 1955, Vol 7, pp 33-41

ABSTRACT: The paper points out analytical relationships which permit the determination of the parameters of a crank-rocker mechanism to satisfy the prescribed values of the fluctuation ratio of the velocity of motion, the rocking angle of the rocker, and the minimum transmission angle. A numerical example is adduced.

N. I. Levitskiy

Card 1/1

D'L'TSHIN, D.G.

"The Modernization of Turning or Diamond Machinery,"
Stanki i Instrument, 10, nos. 10-11, 1939, EHTS

[redacted], D.G.

Candidate of Technical Sciences

MVTU imeni Bauman (-1946-)

"Surface finish of parts during repair of Equipment,"
Sbornik I Instrument, 17, no. 12, 1946

SYRKIN-SHKLOVSKIY, L.Ye.; KLIMENKO, K.I., dekter ekonomicheskikh nauk, redakter; BELETSKIY, D.G. redakter, SHEVCHENKO, G.N., tekhnicheskiy redakter.

[Methods of analyzing production resources of machine building plants] Metodika analiza proizvodstvennykh rezervov mashinostroitel'nogo zavoda. Moskva, Izd-vo Akademii nauk SSSR, 1956. 397 p. (Efficiency, Industrial) (MLRA 9:5)

HELETSKIY, D.G., kandidat tekhnicheskikh nauk; KORSAKOV, V.S., kandidat tekhnicheskikh nauk, dotsent, retsenzent; SHVARTSBURD, B.I., kandidat tekhnicheskikh nauk, retsenzent; VOSKRESENSKIY, N.N., inzhener, redaktor; POPOVA, S.M., tekhnicheskiy redaktor.

[Technology of pump construction] Tekhnologiia nasosostroeniia. Moskva, Ges.nauchno-tekhn. izd-vo mashinostroit. lit-ry. 1956.511 p. (Pumping machinery) (MLRA 9:6)

BELETSKIY, D.G., kand.tekhn.nauk

Investigating the finishing processes of friction pairs of end packing. Khim.mashinostr. no.3:32-35 My-Je '63.
(MIRA 16:11)

L 06083-67 EWT(d)/EWT(l)/EWT(m)/EWP(e)/EWP(k)/EWP(v)/EWP(t) IJP(c) WW/DJ

ACC NR: AP6028094 SOURCE CODE: UR/0314/66/000/006/0010/0011

AUTHOR: Abdurashitov, S. A. (Doctor of technical sciences); Beletskiy, D. G. (Candidate of technical sciences); Gudnin, N. N. (Engineer); Zhemchugov, V. N. (Engineer) 28 B

ORG: none

TITLE: Effect of the roughness of working rotor channels on the characteristics of a centrifugal pump

SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 6, 1966, 10-11

TOPIC TAGS: centrifugal pump, surface roughness

ABSTRACT: The aim of the work was a quantitative determination of the magnitude of the loss in head, H, and the power required, N, as functions of the roughness of the individual surfaces of the channel of the working rotor. At the start, experiments were carried out on a Type 3K-6 pump. The working rotor was carefully cleaned of paint, after which the roughness of the channels was determined by the impression method. The characteristics of the pump were then determined on a plant testing unit. To decrease the roughness of the surfaces, use was made of a specially designed and constructed unit (See Fig. 1)

Card 1/3 UDC: 621.671.001.5

ACC NR: AP6028094

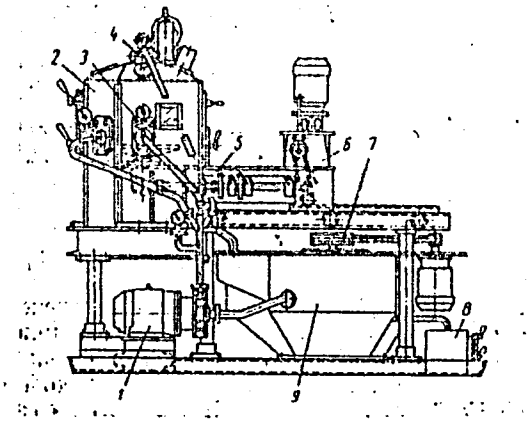


Fig. 1. Hydrojet abrasion unit

With reference to the figure, the abrasive slurry, consisting of an abrasive in water at a volume ratio of 1:7(1:10) is fed onto the piece being treated by rubber lined electric pumps 1, Type TsNPU-12/65-Gum, through lateral 3, and upper 4 jets. The piece being treated is placed in chamber 2, and rotated at a speed of 4 rev/min. After polishing of the rotor on the unit described, the characteristics of the pump were again determined. The article gives curves showing the change in the characteristics of the pumps as a function of the degree of treatment of the working rotor. It is

Card 2/3

L 06083-67

ACC NR: AP6028094 O

demonstrated that reducing the roughness of the surfaces of the channels makes it possible to reduce the expenditure of electric power. Orig. art. has: 4 figures.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 004

Card 3/3 ejk

BELETSKIY, D. P., SELEZNEV, A. F., MOGILEVCHIK, Z. K.,
LIVSHITS, M. L., OSTAPENYA, P. V.

"Hygienic Problems of Transformation of the Polesskaya Lowland."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

BELETSKIY, D. YE.

USSR/Metals - Pig Iron, Foundry, Methods Mar 52

"Use of Liquid Blast-Furnace Pig Iron for Casting," D. Ye. Beletskiy, Engr, Dnepropetrovsk Plant imeni Petrovskiy

"Litey Proizvod" No 3, p 31

Briefly describes casting practice when liquid metal is delivered into foundry directly from blast furnace in 20-ton ladle. Compn of pig iron: 3.4-4.2% C, 1.4-2.5% Si, and max 1.2% Mn, 0.2% P and 0.1% Cr. States that method is not used on large scale despite its considerable economical advantage.

212T97

[redacted], D. Ye.; [redacted], L. A.; [redacted], A. S.

Founding

Using remains of liquid metal for repouring. Lit. proiz., no. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952, Uncl.

BELETSKIY, D. Ye.

BELETSKIY,D.Ye.

Mold shaping. Lit.proizv.no.7:30-31 Jl'55. (MLRA 8:10)
(Foundry machinery and supplies)

BELETSKIY, D.Ye.

Mat

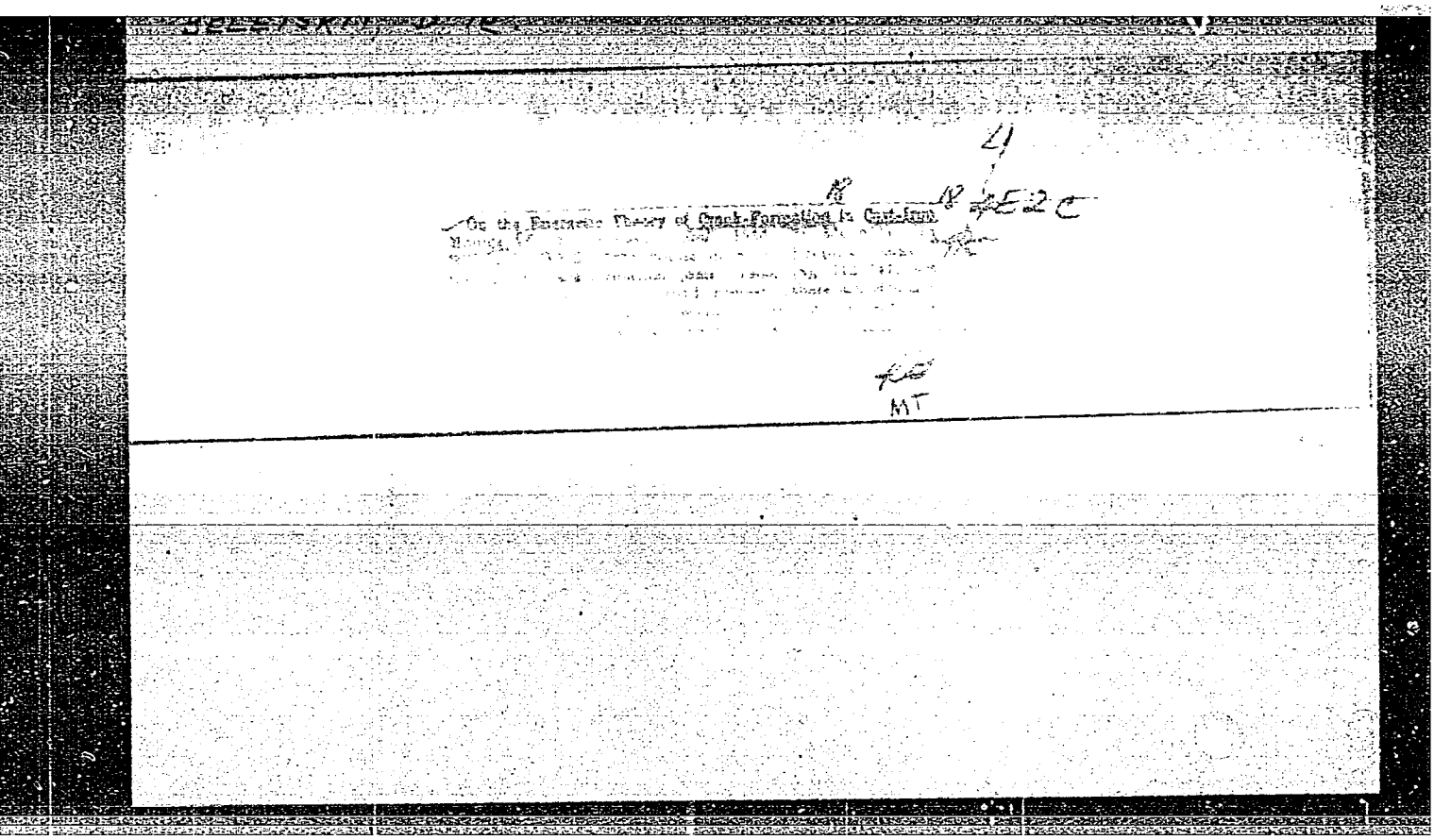
5

(4) Matl

Journal of the Iron and Steel Institute
Vol. 176 Part 3
Mar. 1954
Foundry Practice

The Use of Chrome Magnesite Refractories for Lining Cupolas. N. P. Nikolaichik, V. M. Chebotarev, D. E. Beletskii, and L. A. Aniukhina. (*Liteinoe Proizvodstvo*, 1953, 3, (3), 18–19). [In Russian]. Experience in the use of different refractories for lining cupolas is briefly reviewed, and details are given of the use of chrome-magnesite brick with over 38% magnesia and 15-20% chromic oxide in the melting zone. The chrome-magnesite bricks were found to need repair, mainly directly above tuyeres, after operating for eight days. The normal firebricks usually lasted only two days. No changes occurred in the fluidities of iron or slag on changing to chrome-magnesite brick, nor in the temperature or composition of the iron in the runner. Changes in the composition of the slag are tabulated.—S. K.

MF 4-26-54



BELETSKIY, D.Ye., inzhener.

A new method for knocking out rods from molds. Metallurg no.2: 39-40 F '56. (MIRA 9:9)

1.Zavod imeni Petrovskogo.
(Ceremaking)

BELETSKIY, D.YE.

2
1

Distr: 4E2c

18

Casting Steel Parts with Closed Shrinkage Heads. D. E. Beletskii. (Stal', 1957, (3), 189). (In Russian). The author considers that the method of casting under gas pressure with closed shrinkage heads is only suitable for mass production casting.—S. K.

Metallurgicheskiy zavod im. Petrovskogo

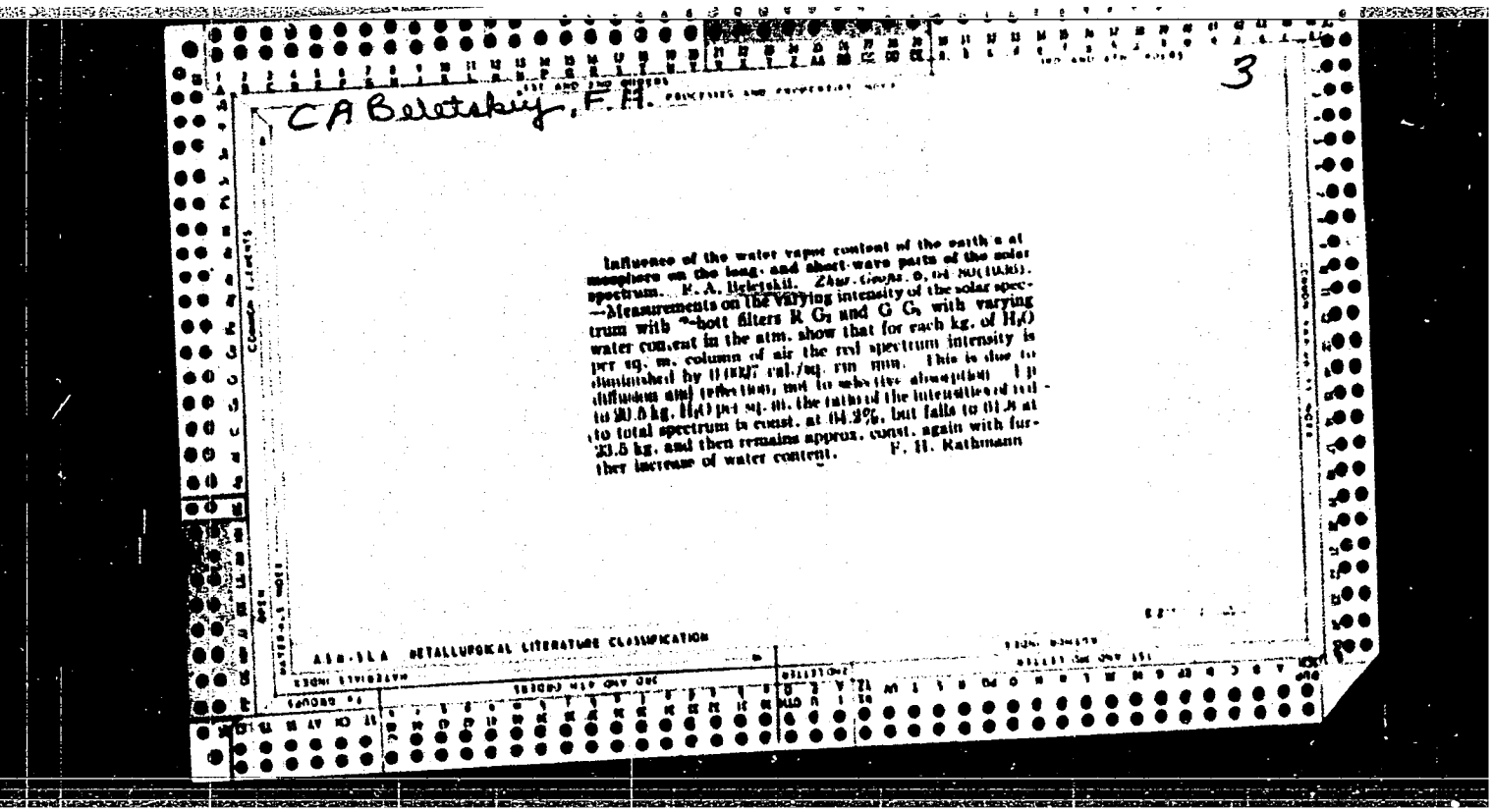
BELETSKIY, D.Ye., inzhener.

Shell casting of weights for combines. Lit.proizv. no.4:28 Ap '57. (MLRA 10:5)
(Founding)

BELETSKIY, D.Ye., insh.

"Increasing the durability of cast iron molds" by N.P. Nikolaichik. Reviewed by D.E. Beletskii. Stal' 17 no.9:857 '57. (MIRA 10:10

1.Zavod im. Petrovskogo. [redacted]
(Molding (Founding))



CA Belotskiy, F.H.

3

Influence of the water vapor content of the earth's atmosphere on the long- and short-wave parts of the solar spectrum. F. A. Belotskii. Zhur. Geofiz. 8, 161 NO(1938). —Measurements on the varying intensity of the solar spectrum with Schott filters R G_1 and G G_2 with varying water content in the atm. show that for each kg. of H_2O per sq. m. column of air the red spectrum intensity is diminished by 0.0037 cal./sq. cm. min. This is due to diffusion and reflection, and to selective absorption up to 20.0 kg. H_2O per sq. m. the ratio of the intensities of red to total spectrum is const. at 64.3%, but falls to 61.8 at 23.5 kg. and then remains approx. const. again with further increase of water content. F. H. Rathmann

BELETSKIY, F. A.

"Variations in the Monthly Heat Sums of Direct Solar Radiation in Odessa," No 1 pp 80-82. (Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

BELETSKIY, D. G.

PA 23T67

USSR/Mechanics
Grinders, Precision
Machines, Precision

Sep 1947

"Microgeometric Calculations of Surfaces Undergoing Finish Grinding," D. G. Beletskiy, 12 pp

"Vestnik Mashinostroyeniya" Vol XXVII, No 9

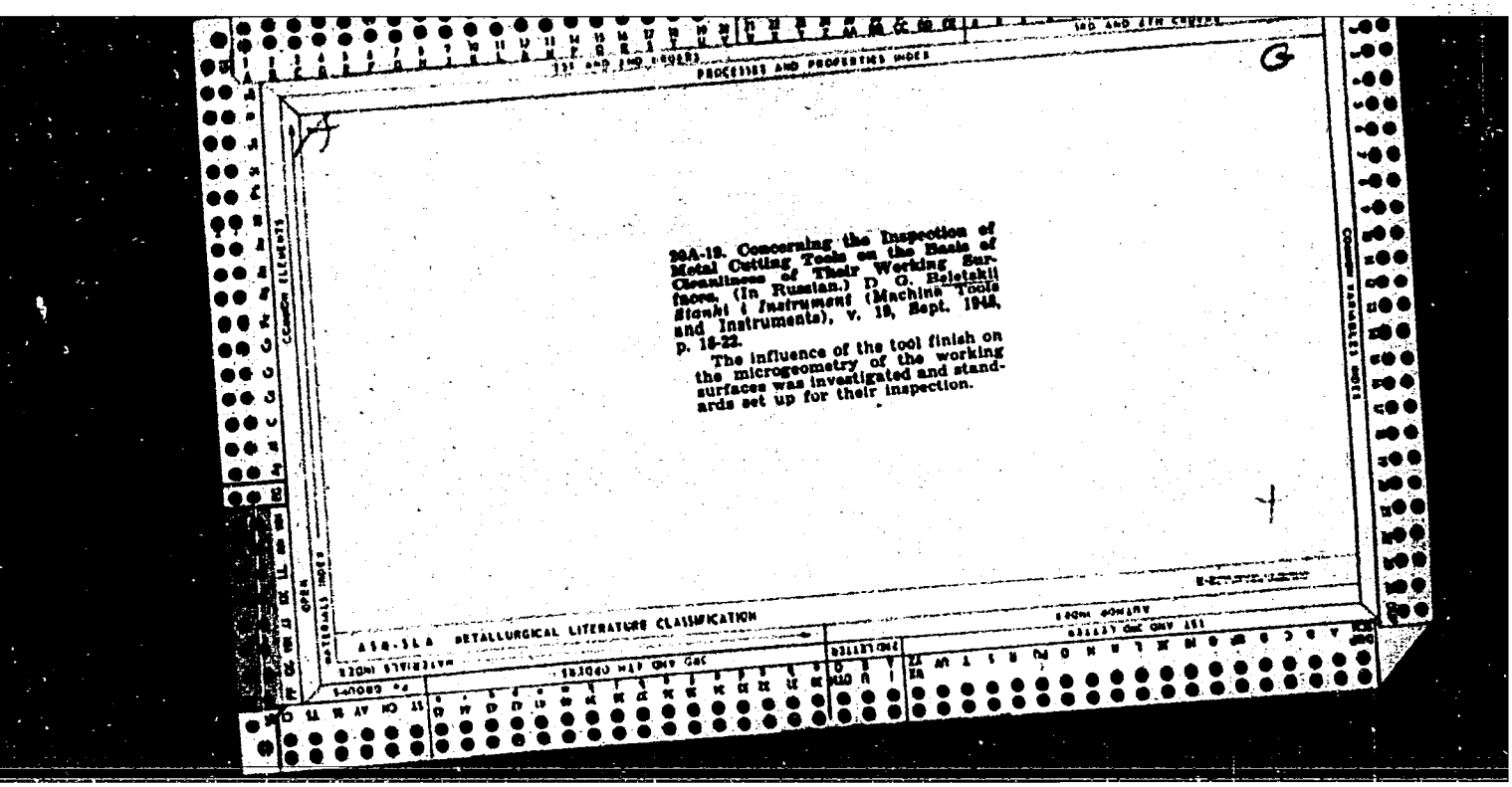
The chief factors effecting the cleanliness of the ground surfaces are the composition of the metal, condition of the machine, quality of the grinding, and geometry and finish. The indicator of the diameter of the buffer serves as the basic factor. The author illustrates his statements with ample diagrams, tables and graphs.

23T67

BELETSKIY, D. G. Cand. Tech. Sci.

"Utilization of Metal-Cutting Machine Tools for Finishing of a Machinable Surface," Stanki i Instrument, No. 9, 1948.

VNII Gidromashinostroeniya



29A-19. Concerning the Inspection of Metal Cutting Tools on the Basis of Cleanliness of Their Working Surfaces. (In Russian.) D. G. Beletskii *Stanki i Instrument* (Machine Tools and Instruments), v. 19, Sept. 1948, p. 18-22.

The influence of the tool finish on the microgeometry of the working surfaces was investigated and standards set up for their inspection.

BELETSKII, D. G.

Author: Beletskii, D. G.

Title: T e technology of the finishing process; the operations involved in the mechanization of metal cutting (Tekhnologiia chistovoi obrabotki.)

City: Moscow
Publisher:
Publication: State Printing House of Scientific and Technical Literature on Machine Construction.

Date: 1949

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 3, No. 2, Page 96

BELETSKIY, D. G.

Tekhnologia chistovoi obrabotki; operatsii mekhanicheskoi otdelki metallov rezaniem. Moskva, Mashgiz, 1949. 233, (3) p. illus. (Tekhnologia mashinostroeniia: Obrabotka metallov rezaniem) Bibliography: P. 232-(234).

DLC: TS213.B45

(Technology of finishing; mechanical metal-cutting procedures.)

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

DELETSKIY, D.G.

Pamiatka tokaria skorostnika. Moskva, Mashgiz, 1950. 64 p.

Memorandum of an expert in high-speed turning

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

BELETSKIY, D.G., kandidat tekhnicheskikh nauk.

Improving engineering design of hydraulic machinery. Trudy VIGM no.13:5-25 '51. (MLRA 10:8)

(Hydraulic machinery)

BELETSKIY, D.G., kandidat tekhnicheskikh nauk.

Standard processes for the machining of centrifugal pump parts. (MLRA 10:8)
Trudy VIGM no.13:26-61 '51.
(Machine-shop practice) (Centrifugal pumps)

BELETSKII, D.G.

Typove postupy strojiniho obrabeni. Prel. Vera Sornikova. [Vyd. 1.] Praha., Prumyslove vydavatelstvi, 1952. 35 p. (Kniznica kovoprumyslu, sv. 118) [Standard processes for machine tools. Tr. from the Russian. 1st ed. diagrs., tables]

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

BELETSKIY, D.G., kandidat tekhnicheskikh nauk.

Thorough utilization of technical and organizational production reserves. Vest.mash. 33 no.4:56-65 Ap '53. (MLRA 6:5)
(Machinery industry)

BELETSKIY, D.G.

BRAVICHEV, V.A., kandidat tekhnicheskikh nauk, dotsent; BRODOVICH, N.V., kandidat tekhnicheskikh nauk; VLASOV, V.I., kandidat tekhnicheskikh nauk, retsenzent, redaktor; YEGORNOV, A.N., professor, retsenzent, redaktor; ZOBNIN, N.P., doktor tekhnicheskikh nauk, professor,; IVANNIKOV, D.G., kandidat tekhnicheskikh nauk, dotsent; KIRKIN, V.G., doktor tekhnicheskikh nauk,professor; KOTOV, Q.K. kandidat tekhnicheskikh nauk; MARIYENBAKH, L.M., doktor tekhnicheskikh nauk, professor; MASHONIN, P.A., inzhener, RUBINSHTEYN, S.A., inzhener, RUDOY, M.L. inzhener, YUDIN , D.L., kandidat tekhnicheskikh nauk, dotsent, redaktor; PETROV, N.I., inzhener, retsenzent; SIDOROV, S.I., inzhener, retsenzent; SOKOLOV, I.G., kandidat tekhnicheskikh nauk, retsenzent; BERESTOVA, Ye.I., inzhener, retsenzent; DOROKHIN, P.N., kandidat tekhnicheskikh nauk, retsenzent; RUSTEM, S.L., kandidat tekhnicheskikh nauk, dotsent, redaktor; LARIN, M.N., laureat Stalinskoy premii, professor, doktor tekhnicheskikh nauk, retsenzent; SOKOLOV, A.V., inzhener, retsenzent; GRUDOV, P.P., laureat Stalinskoy premii, dotsent kandidat tekhnicheskikh nauk, retsenzent;DONNER, L.L., inzhener, retsenzent; ZOBNIN, professor, doktor tekhnicheskikh nauk, retsenzent; BELAVENTSEV, N.V., inzhener, retsenzent; SYCHEV, B.P., dotsent, retsenzent; SHKOL'NIK, L.M., kandidat tekhnicheskikh nauk, retsenzent; LOBANOV, D.V., kandidat tekhnicheskikh nauk,dotsent, retsenzent, redaktor; MASHONIN, P.A., inzhener, retsenzent, redaktor; OBUKHOV, A.V., inzhener, redaktor; BELETSKIY, D.G., kandidat tekhnicheskikh nauk, dotsent, redaktor; ODING, I.A., redaktor; LEVITSKIY, kandidat tekhnicheskikh nauk, dotsent, redaktor; YUDSON, D.M., tekhnicheskiy redaktor

(Continued on next card)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204310010-0"

BRAVICHEV, V.A, kandidat tekhnicheskikh nauk, dotsent; & others (Card 2)

[Railroad man's technical manual] Tekhnicheskii spravochnik zheleznodorozhnika. Red.kollegiia; V.I. Vlasov. A.N.Egornov, N.P. Zobnin, E.F Rudoi (Glav.red.) A.V.Sokolov. Moskva, Gos.transportnoe zhel-dor.izd-vo. Vol. 12 [Processing metals at railroad transport enterprises] Obrabotka metallov na predrpiiatiiakh zheleznodorozhnogo transporta. Otvet.red. N.P.Zobnin. 1954. 671 p.(MLRA 8:11)

1. Chlen-korrespondent, AN SSSR (for Oding)
(Mechanical engineering)

BELETSKIY, D.G., kandidat tekhnicheskikh nauk.

Over-all utilization of industrial potentialities with a multiple increase in the production of hydraulic machinery at existing plants. Trudy VIGM no.17:5-24 '54. (MLRA 9:3)
(Svessa--Machinery industry) (Pumping machinery)

BELETSKIY, Dmitriy Georgiyevich, kandidat tekhnicheskikh nauk; GUROV, S., redaktor; LIL'YE, A., tekhnicheskiy redaktor

[The over-all improvement of machine building production] Kompleksnoe sovershenstvovanie mashinostroitel'nogo proizvodstva. [Moskva] Moskovskii rabochii, 1956. 78 p. (MLRA 9:10)
(Machinery industry)

S/169/60/000/012/001/010
A005/A001

Translation from: Referativnyy zhurnal, Geofizika, 1960, No. 12, p. 150, # 15829

AUTHOR: Beletskiy, F. A.

TITLE: The Part of the Scattered Radiation of the Atmosphere in the Total Radiation Balance at Saratov

PERIODICAL: Tr. Saratovsk. in-ta mekhaniz. s.kh., 1959, (1960), No. 19, pp. 27-36

TEXT: The scattered radiation of the cloudless sky over Saratov reveals a dependence on the value of the atmosphere turbidity factor and the altitude of the Sun. When clouds are present, the amounts of the scattered radiation are undergoing considerable fluctuations depending on the quantity, thickness, and shape of the clouds as well as their distribution over the firmament. The maximum values of the scattered radiation were observed in the case of cumuli. The ratio of the amounts of the scattered radiation to the amounts of the direct radiation exceeds considerably 60% in autumn-winter time, and in December it attains 88%. In the summer months, the scattered radiation amounts to more than 40% of the direct radiation. The monthly amounts are undergoing marked fluctuations over the years.

Card 1/2

S/169/60/000/012/001/010
A005/A001

The Part of the Scattered Radiation of the Atmosphere in the Total Radiation Balance at Saratov

According to average long-term data, the yearly amount of heat of the scattered radiation amounts to 47.8 kcal/cm^2. The maximum monthly amount of the scattered radiation occurs in June (6.53kcal/cm^2), the minimum in January (1.26 kcal/cm^2). From October to March inclusive, the monthly amounts of the scattered radiation exceed the amounts of the direct radiation. The albedo-snow cover which lies in Saratov from November to March exerts a considerable influence on the magnitude of the scattered radiation.

V. A. Markin

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

S/169/62/000/012/044/095
D228/D307

AUTHOR: Beletskiy, F.A.

TITLE: Illumination of a horizontal surface by natural light

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 12, 1962, 26, abstract 12B192 (Tr. Saratovsk. in-ta mekhaniz. s. kh., no. 31, 1962, 99-108)

TEXT: The general regularities of natural illumination are described, and the results of observations of the illumination at Saratov are presented.
[Abstracter's note: Complete translation]

Card 1/1

S/169/62/000/012/039/095
D228/D307

AUTHOR: Beletskiy, F.A.

TITLE: The problem of the practical utilization of solar energy in the Lower Volga region

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 12, 1962, 22, abstract 12B156 (Tr. Saratovsk. in-ta mekhaniz. s. kh., no. 31, 1962, 109-115)

TEXT: Data are given about the hourly distribution of direct and scattered solar radiation for different months of the year at Saratov.
[Abstracter's note: Complete translation]

Card 1/1

BELETSKIY, F.A., dots., kand. fiz.-matem.nauk; BIRKUN, N.Ye., inzh.; KAZANOV, V.A., inzh.; KLYUSHIN, S.M., dots.; KRUCHININ, V.L., inzh.; MARCHENKOV, Ya.P., dots.; PISKAREV, V.S., inzh.; RUTSKIY, A.I., inzh.; SOKOLOV, N.M., dots., kand. tekhn. nauk; SOLUYANOV, L.N., inzh.; SHKARBANOV, Petr Fedorovich, dots., kand. tekhn. nauk; PANOV, V., red.; LUKASHEVICH, V., tekhn.red.

[Handbook for electricians] Spravochnik elektrika. Saratov, Saratovskoe knizhnoe izd-vo, 1963. 458 p. (MIRA 17:1)

NAUMOV, V.I.; SIDOROV, N.G.; SAKHAROV, V.K.[deceased];
BELETSKIY, G.A., inzh., retsenzent

[Operation, maintenance and repair of motor vehicles; a handbook] Ekspluatatsiia, tekhnicheskoe obsluzhivanie i remont avtomobilei; spravochnoe posobie. Moskva, Mashinostroenie, 1965. 510 p. (MIRA 18:8)

MARKOVICH, Moisey Yefimovich; BEKMAN, V.V., inzh., retsenzent; BELETSKIY, G.A., inzh., red.; DUDUSOVA, G.A., red.izd-va; SPERANSKAYA, O.V., tekhn.red.

[D-4 bicycle motor] Velosipednyi dvigatel' D4. Moskva, Gos. nauchno-tekhn.izd-vo mashinostr.lit-ry, 1959. 92 p. (MIRA 12:10)

(Bicycles and tricycles) (Gas and oil engines)

NAUMOV, Vasiliy Ivanovich; SIDOROV, Nikolay Grigor'yevich; SAKHAROV, Vladimir Konstantinovich [deceased]; BELETSKIY, G.A., inzh., retsenzent; KARATEYEV, V.N., inzh., retsenzent; NAZAROV, D.M., inzh., retsenzent; KOCHUROV, N.I., dotsent, kand.tekhn.nauk, red.; TSVETNIKOV, V.I., dotsent, kand.tekhn.nauk; GOFMAN, Ye.K., red. izd-va; SOKOLOVA, V.L., tekhn.red.

[Operation, technical maintenance, and repair of automobiles; reference materials] Ekspluatatsiia, tekhnicheskoe obsluzhivanie i remont avtomobilei; spravochnye materialy. Izd.3, perer. i dop. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 447 p. (Automobiles) (MIRA 12:5)

GRIBANOV, Vladimir Ivanovich; ORLOV, Vladimir Andreyevich; KOCHUROV, N.I., dots., retsenzent; BELETSKIY, G.A., inzh., red.; DUDUSOVA, G.A., red. izd-va; SHCHETININA, L.V., tekhn. red.

[Carburetors for internal combustion engines] Karbiuratory dvigatelei vnutrennego sgoraniia. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 201 p. (MIRA 14:5)
(Carburetors)

ACCESSION NR: AR4033584 S/0169/64/000/002/B019/B019

SOURCE: Ref. sh. Geofiz., Abs. 2B129

AUTHOR: Beletskiy, F. A.

TITLE: The problem of the dependence of the influx of direct solar radiation on solar altitude and atmospheric transparency

CITED SOURCE: Tr. Saratovsk. in-ta mekhaniz. s. kh., vyp. 26, 1963, 187-199

TOPIC TAGS: meteorology, atmospheric transparency, solar radiation, direct solar radiation, solar radiant energy, atmospheric radiant energy

TRANSLATION: Data are presented on the annual variation of direct solar radiation on perpendicular and horizontal surfaces at different times of day. The value of the ratio of intensity of direct solar radiation to the value of the solar constant for the same solar altitude attains maximum values in winter and there is then a gradual decrease to a minimum in July, associated with the annual variation of atmospheric transparency. In the summer months there is a more intense process of transformation of solar radiant energy into atmospheric thermal energy. In the winter months and in the transitional seasons the dependence between the flux of

Card 1/2

51"

ACCESSION NR: AR4033684

direct solar radiation on a horizontal surface and solar altitude conforms to the linear law and can be expressed by a formula with two coefficients whose values are dependent on the atmospheric content of water vapor and aerosols. In the summer the linear dependence of these values is correct only to a solar altitude of 52°; in the case of greater altitudes the linear dependence is replaced by an exponential dependence. The absolute maxima of the intensity of direct solar radiation decrease only insignificantly with a transition to the summer months; this can be attributed to atmospheric transparency. The maximum values (1.41 cal/cm^{2}min) were recorded in winter during a period of antiocyclonic weather. The author concludes that even in the case of the greatest possible atmospheric transparency a quarter of the flux of solar radiant energy reaching the upper boundary of the atmosphere is held back by the atmosphere. Ye. Veremeychikova

DATE ACQ: 31Mar64 SUB CODE: AS ENCL: 00

Card 2/2

IVANOV, Dmitriy Nikolayevich, kandidat tekhnicheskiy nauk, dotsent; BELETSKIY, G.L., inzhener, retsenzent; NAZAROV, D.M., inzhener, redaktor; GOFMAN, Ye.K., redaktor izdatel'stva; SOKOLOVA, L.V., tekhnicheskiy redaktor

[Feeding of engines consuming light liquid and gas fuel] Sistemy pitaniia dvigatelei legkogo zhidkogo i gazovogo topliv. Izd. 2-oe, dop. i perer. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1955. 238 p. (MLRA 9:9)
(Gas and oil engines--Fuel systems)

USSR/Medicine - Medical Commission Nov/Dec 48
Medicine - Skin and Venereal Diseases

"Novye ½ p

"Vest Venerol i Dermatol" No 6

Permanent Commission of the Sci Med Soviet for Skin and Venereal Diseases, Min of Pub Health RSFSR, appointed Jun 48 by G. N. Beletskiy, Min of Pub Health RSFSR, is composed of: Chm, Prof M. S. Vedrov, Corr Mem, Acad Med Sci USSR; Secy, Prof A. P. Dolgov; and members Prof M. P. Batunin, Prof I. B. Potashnik, Prof V. Ya. Arutyunov, Docent

60/49T83

USSR/Medicine - Medical Commission (Contd) Nov/Dec 48

P. N. Shishkin, Prof N. S. Smelov, Prof M. A. Zaigrayev, G. I. Yegorov, Cand Med Sci, Ye. D. Ashmarkov, Cand Med Sci, P. L. Alekseyevskaya, Prof N. I. Rossiyanskiy, Prof N. M. Ovchinnikov, M. I. Kozhevnikova, and G. V. Robustov, Cand Med Sci

60/49T83

BELETSKIY, G.N. MIN OF PUB HEALTH RSFSR

BELETSKIY, G. N.

USSR/Medicine - Public Health, Officers Mar/Apr 1948
Medicine - Public Health, Progress

"The tasks of Members of the Public Health Service of the RSFSR in 1948," G. N. Beletskiy, Minister of Pub Health RSFSR, 10 pp

"Sovetskoye Zdravookhraneniye" No 2

Abridgement of speech delivered at All-Russia convention of active health workers. Main tasks in future are reduction of mortality rate, control of typhus parasites, tuberculosis, malignant tumors and venereal diseases. Work of past year is reviewed, various persons and institutions being singled out for commendation or censure. Reference is made to training of doctors in hospitals and polyclinics. Lists points which require attention if task set by RSFSR are to be fulfilled.

75T84

75T84

HELETSKIY, G.N.

Present day problems of public health in Soviet Union. Sovet. zdravookhr. no.4:15-24 July-Aug. 1950. (CLML 20:1)

1. Minister of Public Health RSFSR.

BELIKOVA, Z.P.; BELENTSKIY, G.N., direktor; SNYAKIN, P.G., professor, zavednyu-shchiy.

Functional mobility of cold reception of the skin. Vest.ven.i derm. no. 2:5-10 Mr-Ap '53. (MLRA 6:5)

1. Moskovskiy meditsinskiy stomatologicheskiy institut. 2. Kafedra normal'noy fiziologii Moskovskogo meditsinskogo stomatologicheskogo instituta (for Snyakin). (Skin)

VASIL'YEV, G.A., dotsent; EVDOKIMOV, A.I., professor, zaveduyushchiy; BELETSKIY, G.N., direktor; KOVNER, A.A., nachal'nik.

Plastic reconstruction of the duct of Steno. Stomatologiia no.3:39-42 '53. (MLRA 6:7)

1. Kafedra khirurgicheskoy stomatologii Moskovskogo meditsinskogo stomatologicheskogo instituta (for Vasil'yev and Evdokimov). 2. Moskovskiy meditsinskiy stomatologicheskiy institut (for Beletskiy). 3. Moskovskiy gorodskoy chelyustno-litsevoy gospital' (for Kovner and Vasil'yev).
(Parotid glands) (Fistula)

KEPREYEVA, L.N.; BELIKOV, P.F., professor, zaveduyushchiy; BELETSKIY, G.N., direktor.

Mechanism of the effect of sodium fluoride on the alpha and gamma type streptococci of the oral cavity. Stomatologiia no.4:6-10 Jl-Ag '53. (MLRA 6:9)

1. Kafedra mikrobiologii Moskovskogo meditsinskogo stomatologicheskogo instituta (for Belikov). 2. Moskovskiy meditsinskiy stomatologicheskiy institut (for Beletskiy).
(Sodium fluoride) (Streptococcus) (Mouth--Bacteriology)

RUBIN, L.R.; BELETSKIY, G.N., direktor.

Role of neural reception in the pathogenesis of caries. (Remarks on Professor I.A.Begel'man's article "Modern concept of the problem of caries.") Stomatologiia no.4:19-24 Jl-Ag '53. (MLRA 6:9)

1. Moskovskiy meditsinskiy stomatologicheskiy institut.
(Teeth--Diseases) (Begel'man, I.A.)

BELETSKIY, G.N., dotsent.

Problems of improving stomatological service to the population and training in stomatology. Stomatologiia no.1:3-8 Ja-F '54. (MLRA 7:1)

1. Iz Moskovskogo meditsinskogo stomatologicheskogo instituta. (Stomatology)

BELETSKIY, G.N.

LAGUNOVA, I.G., dots.; BELETSKIY, G.N., dots.; POMEL'TSOV, K.V., prof. PODLYASHUK, L.D., prof.

On the 50th birthday of Professor Il'ia Aleksandrovich Shekhter. Vest.rent. i rad. 32 no.6:89 N-D '57. (MIRA 11:3)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut rentgenologii i radiologii (for Lagunova). 2. Moskovskiy meditsinskiy stomatologicheskiy institut (for Beletskiy). 3. Vserossiyskoye obshchestvo rentgenologov i radiologov (for Pomel'tsev). 4. Moskovskoye obshchestvo rentgenologov i radiologov (for Podlyashuk).
(SHEKHTER, IL'IA ALEKSANDROVICH, 1907-)

BELETSKIY, Georgiy Nikolayevich

[Organization and work methods in public health] Organizatsiia i metodika raboty organov zdravookhraneniia. Moskva, Medgiz, 1958. 109 p. (MIRA 12:4)

(PUBLIC HEALTH)

BELETSKIY, G.N.; KONSTANTINOV, G.F.; MAYOROVA, Z.S.; MAYEVSKIY, V.I.; MAYSTRAKH, K.V.; ROSTOTSKIY, I.B. (Moskva).

Basis of Soviet socialistic public health. Sov. zdrav. 18 no.3: 22-28 '59. (MIRA 12:3)

(PUBLIC HEALTH in Russia (Rus))

BELETSKIY, G.N., dotsent

State of stomatological care in the R.S.F.S.R. and measures for its improvement. Teor. i prak. stom. no.5:3-43 '61 (MIRA 16:12)

1. Kafedry organizatsii zdravookhraneniya (zav. - dotsent G.N.Beletskiy) Moskovskogo meditsinskogo stomatologicheskogo instituta.

BELETSKIY, G.N. (Moskva); RUD'KO, V.F.

Urgent problems in the development of stomatological care. Sov. zdrav. 20 no.10:28-33 '61. (MIRA 14:9)

1. Direktor Moskovskogo meditsinskogo stomatologicheskogo instituta (for Beletskiy). 2. Glavnyy stomatolog Ministerstva zdravookhraneniya SSSR (for Rud'ko).

(STOMATOLOGY)

BELETSKIY, G. S.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 284 - I

BOOK Call No.: TJ265.T4

Authors: ANTUF'EV, V. M., Kand. of Eng. Sc. and Beletskiy, G. S., Kand of Eng. Sc.
Full Title: HEAT TRANSMISSION AND RESISTANCE OF FIN HEATING SURFACES
Transliterated Title: Teoloperedacha i soprotivleniye plavnikovykh poverkhnostey nagreva

Publishing Data
Originating Agency: Ministry of the Heavy Machine-Building Industry (Glavkotloturboprom). Central Scientific Research Inst. of Boilers and Turbines im. I. I. Polzunov. (TsKTI). This article is from a series teploperedacha i aerogidrodinamika (Heat Transmission and Aero-Hydrodynamics), book 2, issue 1, pp. 28-35.
Publishing House: State Scientific and Technical Publishing House of Literature on Machine Building. (Mashgiz)
Date: 1947 No. of copies: 3,000
Editorial Staff
Editor: Shubenko, L. A., Laureate of Stalin Prize, Kand of Eng. Sc. Tech. Ed.: None
Editor-in-Chief: Fetisov, F. I., Leningrad Div. of Mashgiz Appraisers: None

Text Data
Coverage: The effects of fin surfaces are studied for practical coefficients

1/2

Teploperedacha i soprotivleniye plavnikovykh

obtained in computation of heat transmission coefficients and aerodynamic resistance factors in boiler and economizer installations. The author's experimental data are applied as correction factors for Nusselt value Nu. 12 charts.

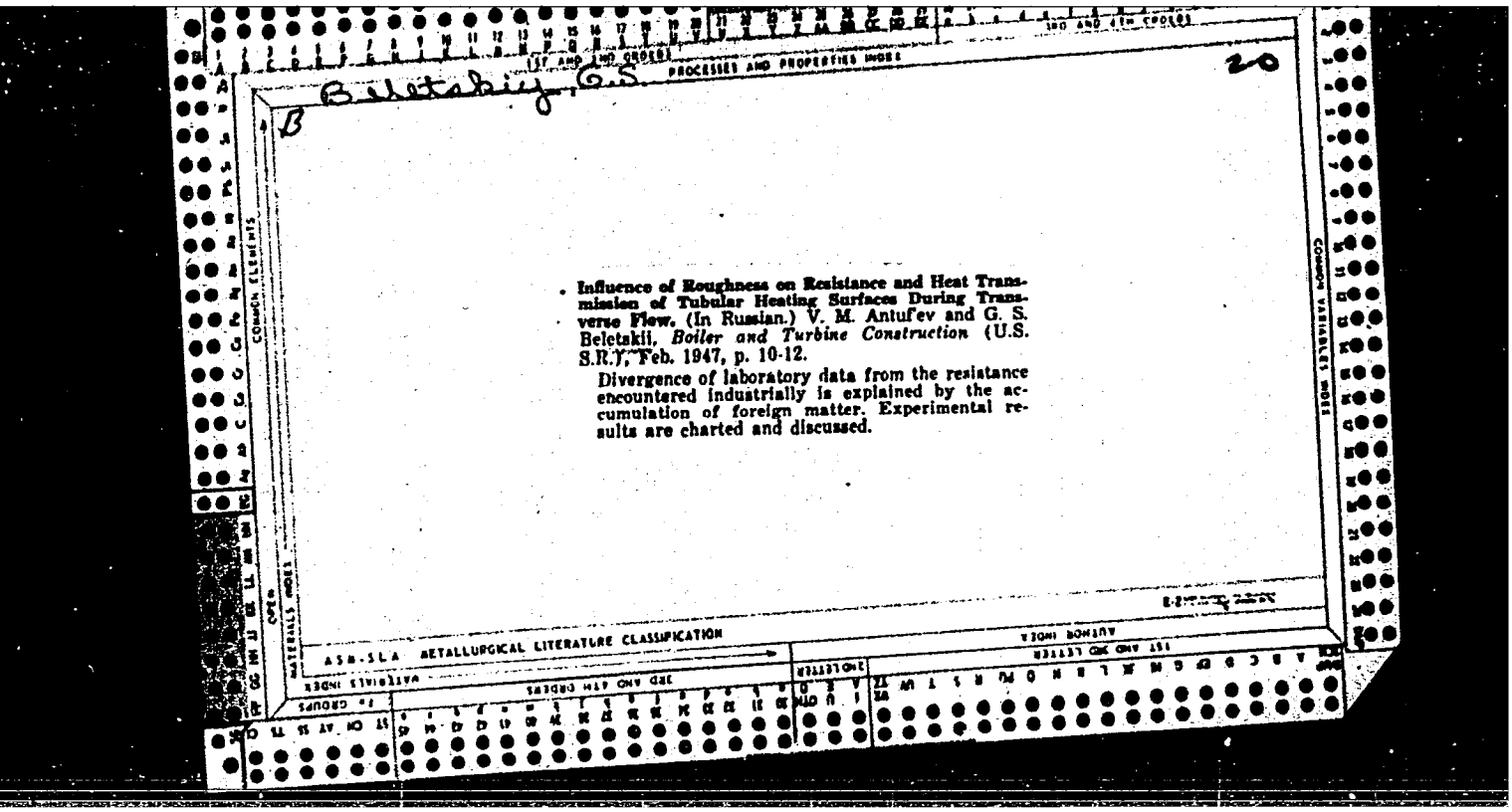
Data and curves presented may be used in designing of the fin heating surfaces.

Purpose: Obtaining practical correction factors for design formulas.

Facilities: Central Scientific Research Inst. for Boiler and Turbines im. I. I. Polzunov. (TsKTI) and All-Union Heating Engineering Inst. im. F. E. Dzerzhinskiy. (VTI)

No. of Russian References: None

Available: Library of Congress



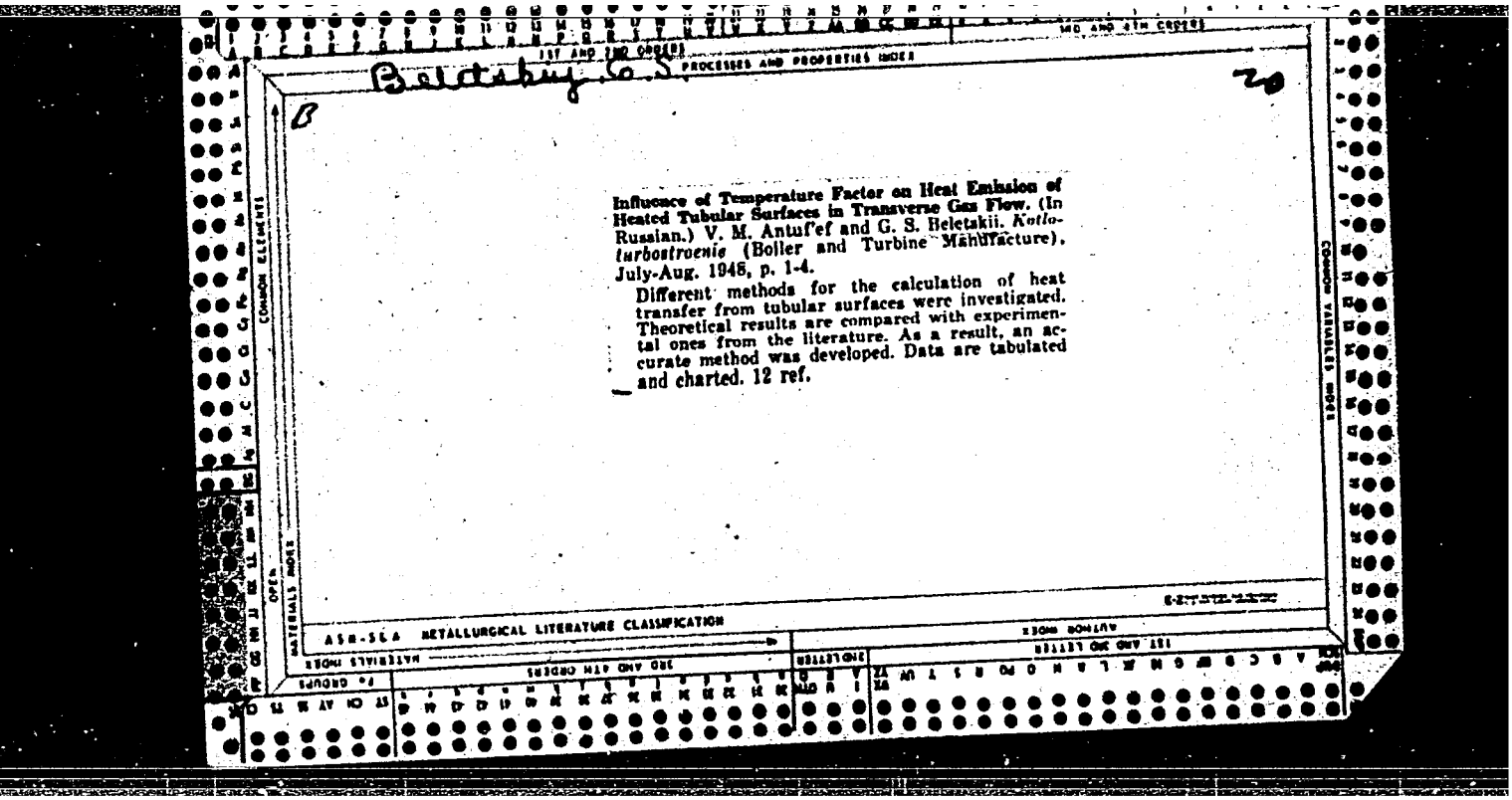
Beletskii, G.S.

20

B

• **Influence of Roughness on Resistance and Heat Transmission of Tubular Heating Surfaces During Transverse Flow.** (In Russian.) V. M. Antufev and G. S. Beletskii, *Boiler and Turbine Construction* (U.S. S.R.), Feb. 1947, p. 10-12.

Divergence of laboratory data from the resistance encountered industrially is explained by the accumulation of foreign matter. Experimental results are charted and discussed.



Beletskiy, G. S.

B

20

Influence of Temperature Factor on Heat Emission of Heated Tubular Surfaces in Transverse Gas Flow. (In Russian.) V. M. Antuf'ef and G. S. Beletskii. *Kotlo-turbostroenie* (Boiler and Turbine Manufacture), July-Aug. 1946, p. 1-4.

Different methods for the calculation of heat transfer from tubular surfaces were investigated. Theoretical results are compared with experimental ones from the literature. As a result, an accurate method was developed. Data are tabulated and charted. 12 ref.

BELETSKIY, K. I.

and SUKHENKO, F. T. "Biochemical Changes in Wheat Grain during Infection with 'Intoxicating Fungus' (Fusarium," Biokhimiia, vol. 11, 1946 pp. 219-226. 385, B523

So: Sira 81-90-53, 15 Dec. 1953

BELETSKIY, L.

"Device for Removing People from Sunken Ships," Morskoy Sbornik, no. 3, March 1930, pp. 44-45.

"New Principle in Sybmarine Navigation," ibid., no. 11, 1929, p. 82-84.

"On the Loss of the S-4," ibid., no. 3, Mar 1928, p. 57-63.
Methods of preventing losses and saving submarines.

SHAMSUTDINOV, R.; PAN'KIN, N., inzh.; DUBYAGO, P.; BELETSKIY, M., inzh.; EYNIS, S.; YELIZAR'YEV, B.

Exchange of experience. Avt. transp. 42 no.10:53-54 O '64. (MIRA 17:11)

BELETSKIY, Makar Grigor'yevich; SUDAKOV, Nikolay Mikhaylovich; GOLOSOV, A., red.

[Preparation of timber by biological drying] Zagotovka lesa s biologicheskoi sushki. Syktyvkar, Komi knizhnoe izd-vo, 1964. 29 p. (MIRA 18:7)

BELETSKIY, M.I.; GRIGORYAN, V.M.; ZASLAVSKIY, I.D.

Axiomatic description of the order and control of words in certain types of sentences. Trudy Vych. tsentra no.1:71-85 '63. (MIRA 16:11)

L 22527-65 EWT(d)/BXT/EPD-2/EWP(1) Pg-4/Pk-4/Po-4/Pq-4 IJP(c) GO/BB

ACCESSION NR: AP5000882 S/0315/64/000/007/0037/0042

AUTHOR: Beletskiy, M.I. B

TITLE: Model of the Russian language describing simple sentences without uniformity

SOURCE: Nauchno-tekhnicheskaya informatsiya, no. 7, 1964, 37-42

TOPIC TAGS: language model, language analysis, language synthesis, Russian language, sentence analysis 16

ABSTRACT: A syntactical language model which produces simple sentences without uniform members is considered. The grammar seeks; 1. a selection of classes; 2. a selection of control types for each class; 3. a control vocabulary; 4. a list of random forms; 5. a correspondence between lexical-grammatical characteristics and the word forms of the language. From these data the first characteristics are constructed. The characteristics replace word forms in their linear projection. The sequences of word forms obtained by this process are called phrases. Models of this form may be used for automatic analysis and synthesis of Russian sentences. Orig. art. has: 2 tables and 17 diagrams.

Card 1/2

L 22527-65
ACCESSION NR: AP5000882

ASSOCIATION: none

SUBMITTED: 10Nov63 ENCL: 00 SUB CODE: DP

NO REF SOV: 009 OTHER: 002

Card 2/2

L 63328-65 EWT(d)/T Pg-4/Pk-4 IJP(c)

ACCESSION NR: AP5017613 UR/2582/65/000/014/0221/0244

AUTHOR: Bazmadzhyan, R. A. (Yerevan); Belatskiy, M. I. (Yerevan); Grigoryan, V.M. (Yerevan); Gyul'misaryan, S. A. (Yerevan); Karaustayan, T. V. (Yerevan); Hakaudyan, L. S. (Yerevan); Pogosova, S. S. (Yerevan); Ter-Mikaelyan, T. M. (Yerevan); Fel'dman, Ye. D. (Yerevan)

TITLE: An algorithm for Armenian-Russian machine translation. I (General description)

SOURCE: Problemy kibernetiki, no. 14, 1965, 221-244

TOPIC TAGS: translation algorithm, machine translation, syntactic analysis, syntactic synthesis, idiom identification

ABSTRACT: The algorithm for Armenian-Russian machine translation whose general description is presented in this article is based on the principle of independent analysis and synthesis. This means that during the first stage of the operation the machine carries out the grammatical and meaning analysis of the Armenian text while during the second it synthesizes the corresponding Russian text on the basis of the information gathered during the analysis. The authors outline the structure of the dictionary and the method of morphological synthesis of the Russian sen-

Card 1/2

L 63328-65

ACCESSION NR: AP5017613

tence and describe the labels used by the algorithm during the syntactic analysis and label synthesis. They also describe procedures for arriving at the correct meaning of multiple meaning words and for the identification of idioms. The article concludes with four examples of translation of mathematical texts. "The authors thank V. V. Ivanov, O. S. Kulagina, I. A. Mel'chuk, T. N. Moloshnaya and V. A. Uspenskiy for their help, fruitful ideas and valuable advice." Orig. art. has: 13 formulas and 2 tables.

ASSOCIATION: None

SUBMITTED: 23Jan64 ENCL: 00 SUB CODE: DP

NO REF SOV: 011 OTHER: 000

Card 2/2