

KLETF, D.I.; KOLESNIK, R.S.; POTAPOVA, Ye. P.; VYBOROV, O.P.; SHVETS, K.I.

Problem of complex immunisation with living vaccines, author's abstract.
Zhur. mikrobiol. epid. i imm. 29 no.10:122 0 '58. (MIRA 11:12)

1. Iz Irkutskogo nauchno-issledovatel'skogo instituta Ministerstva
sdravookhraneniya SSSR.

(VACCINES AND VACCINATION,

combined vacc. with living vaccines (Rus))

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KUDINOVA, Z.S.; OL'KOVA, N.V.

Experimental plague among marmots and long-tailed susliks.
Izv.Irk.gos.nauch.-issl.prirodoznan.inst. 20:15-30 '59.

(PLAGUE) (MARMOTS--DISEASES AND PESTS) (MIRA 13:7)
(SUSLIKS--DISEASES AND PESTS)

KLETS, B.I.; KOLESHNIK, R.S.; KOLESHINSKAYA, N.I.; GITSEVICH, M.A.

Comparative characteristics of three live antiplague vaccines
(NV, 17, NV-17), obtained by the deep method. Izv. Irk. gos. nauch.-
issl. protivoekhum. inst. 20:171+174 '59. (MIRA 13:7)
(PLAGUE)

KLITS, N.I.; KOLISHNIK, R.S.; POTAPOVA, Ye.P.; VIBOROV, G.P.; SEVETS, K.I.

Complex immunisation with live vaccines. Izv. Irk. gos. nauch.-
issl. protivoochum. inst. 20:225-236 '59. (MIRA 13:7)
(VACCINATION)

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Experimental data on the use of a complex vaccine against
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283-296 '59. (BRUCELLOSIS) (MIRA 13:7)

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Susceptibility of some species of rodents of the Maritime Territory
to experimental plague. Inv. Irk. gos. nauch.-issl. protivochum.
inst. 21:92-97 '59. (MIRA 14:1)
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KLETS, E.I., KOLESNIK, R.S., POTAPOVA, Ye.P., VYBOROV, G.P., SKALON, T.O.

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against plague, tularemia, and brucellosis. Izv. Irk. gos. nauch.-
issl. protivochum. inst. 21:220-225 '59. (MIRA 14:1)
(VACCINES) (PLAGUE)
(TULAREMIA) (BRUCELLOSIS)

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(PLAGUE)

(NERVOUS SYSTEM)

KLETS, E.I.

**Study of the microflora of the air by the precipitation
method. Gig. i san. 28 no.7:96 J1 '63. (MIRA 17:1)**

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Conservative therapy of thromboembolism of the abdominal aorta
near the bifurcation. Kardiologiia no.3:89 1975.

(MIRA 18:10)

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KLETS, A.I.

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N 165. (MJRA 18:12)

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MYASNIKOV, A.M., st. inzh.; LIKHOLET, S.F., st. inzh.; BIZHAN, B., inzh.; KOMISSAROV, G.S.; NISELEV, F.S., inzh.; TUPIKOV, V.I., st. inzh.; KARPOVA, Z.A., st. inzh.; KLETSEL', M.M., inzh.; MATSKEVICH, A.V., inzh.; PUSTOVOYTOVA, K.S., red.; MOISEYEV, I.N., red.; IVANOVA, Z.V., tekhn. red.

[Hydrological yearbook] Gidrologicheskii eshegodnik. Lenin-grad, Gidrometeoizdat. 1960. Vol.2. No.7-9. Pod red. K.S. Pustovoitovoi. 1962. 418 p. (MIRA 16:5)

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'63. (MIRA 17:6)

KLETS, V.E.; SERIKOV, A.P.

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copper-nickel concentrate in a solution of ferric chloride.
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KLETS-KLEVTSOV, L. 2.

"Route Signals for Electric Train Haulage in Shafts Dangerous Because of Their Dust and Gases." Cand Tech Sci, Donets Order of Labor Red Banner Industrial Inst, imeni N.S. Khrushchev, Min Higher Education USSR, Stalino, 1953. (KL, No 17 Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

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sav.; elektromekh. 1 no.3:137-143 '58. (MIRA 11:6)

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(Mine railroads--Signaling)

RETSKIN,

Cand Tech Sci

Dissertation: "Investigation of the Technological
Process for Obtaining High-Quality Alloy Cast Iron."

23/11/50

Moscow Inst of Steel Ironi I. V. Stalin

SO Vecheryaya Moskva
Sum 71

KLETSKIN, G. I.

USSR/Engineering - Foundry, Equipment Mar 52

"Rapid Mold Making for Medium and Large Castings,"
G. I. Kletskin, Cand Tech Sci, P. F. Kuleshov,
Engr, "Stankolit" Plant

"Litey Proizvod" No 3, pp 7-14

Describes method and equipment for drying molds with dried-off lining, which were developed and adopted for foundry practice in 1947. Discusses various mold-facing mixes and compares method of pouring into dry-face molds with use of dry-sand molds. Chief advantage is possibility to arrange continuous production line for medium and large castings.

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KLETSKIN, G. I.

PA 233T59

USSR/Metallurgy - Cast Iron, Properties

Jul 52

"Structure and Mechanical Properties of Modified Cast Iron," G.I. Kletskin, Cand Tech Sci

"Litey Proizvod" No 7, pp 17-22

Studies process of modifying or inoculating cast iron and effect of such factors as overheating in melting, addn of steel scrap and changes in carbon and silicon contents on structure and properties of inoculated iron. Discusses results of inoculation with ferro-silicon and silicocalcium by ordinary and double methods, and with preliminary deoxidation. Outlines technology of high-quality cast irons.

233T59

1. KLETSKIN, G. I.
2. USSR (600)
4. Metal Castings
7. Producing castings from high quality pig iron with specified mechanical properties. Lit proizv No 11 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

MARIYENBAKH, L.M., doktor tekhnicheskikh nauk, professor; KITAYEV, B.I.,
professor, doktor tekhnicheskikh nauk, retsensent; KLETSKIN, G.I.,
kandidat tekhnicheskikh nauk, retsensent; LUPANOV, B.P., ~~retsensent~~,
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tekhnicheskij redaktor.

[Intensifying cupola operation] Intensifikatsiia vagranochhnogo pro-
tsessa. Moskva, Gos. nauchno-tekhn.izd-vo Mashinostroit. lit-ry,
1954. 386 p. (MIRA 8:4)
(Cupola furnaces)

KLETSKIN, G.I., kandidat tekhnicheskikh nauk; Serebryakov, M.I., dotsent,
kandidat tekhnicheskikh nauk.

Use of risers under gas pressure. Sbor.Inst.stali no.32:192-201
'54. (MLRA 10:5)

1.Kafedra liteynogo proizvodstva.
(Founding)

KLETSKIN, O.I., kandidat tekhnicheskikh nauk; SEREBRYAKOV, M.I., dotsent,
kandidat tekhnicheskikh nauk.

Cupola melting of iron with basic slags. Sbor. Inst. stali no. 32:236-256
'54. (MLRA 10:5)

1. Kafedra liteynogo proizvodstva.
(Cupola furnaces--Testing)

KLITSKIN, O.I.

Magnesium-modified, low-sulfur-content cast iron, melted
in a basic cupola. Lit. proizv. no. 9:21-26 8 '57. (MIRA 10:10)
(Foundry chemistry)
(Cast iron)

KLETSKIN, G. I. (Cand. Tech. Sci.)

Improvements of the Process of Melting Iron in Cupola Furnaces."

All-Union Conference of Foundry Workers. end of 1957. Moscow.
Mashinostroitel', 1958. No. 5, p. 48.

25(1)

PHASE I BOOK EXPLOITATION

SOV/1500

Vasilevskiy, P. P., B.B. Gulyayev, D.P. Ivanov, V.V. Ioda, I.P. Karev,
G.I. Kletskin, A.G. Korotkov, A.S. Murakhin, Yu.A. Nekhendzi, P.G.
Petrov, and M.A. Smelov

Liteynaya tekhnika; 2-ya Mezhdunarodnaya vystavka liteynoy tekhniki i liteynyye
tsEKhi FRG i GDR (Foundry Technology; Second International Exhibition of
Foundry Technology and the Foundries of the FRG and GDR) Moscow, Mashgis, 1958.
212 p. 3,500 copies printed.

Ed.: P.P. Vasilevskiy; Ed. of Publishing House: A.I. Sirotin, Engineer; Tech. Ed.:
A.Ya. Tikhonov; Managing Ed. for Literature on Heavy Machine Building (Mashgis):
S.Ya. Golovin, Engineer.

PURPOSE: The purpose of this book is to acquaint readers with new developments in
foundry technology as presented at the 23rd International Congress of Foundrymen
held in Dusseldorf, Germany in 1956.

COVERAGE: The Soviet delegation under the leadership of P.G. Petrov, Engineer, and
his deputy D.P. Ivanov, along with nine other engineers, attended the Congress of

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Foundry Technology (Cont.)

80V/1500

Foundrymen and the Foundry Exhibition held in Duesseldorf September 1 to 9, 1956. In this book the delegates present a joint report on the state of art in the foundries and research institutes which they visited. The book contains many photographs and diagrams of the machinery and equipment used in foundries and also photographs of finished foundry products. Illustrations accompany the technical descriptions and technical data. One chapter deals with leading German foundries and the major automotive and machine-building plants which maintain their own foundries. Another chapter deals with research and scientific institutes in Germany in which problems of melting and casting are studied. Finally, the authors attempt to evaluate German methods and techniques and compare them with their own. There are no references.

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Foundry Technology (Cont.)

80V/1500

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AUTHOR: Kletskin, G.I. SOV-128-58-8-19/21

TITLE: Information on the Session of the Commission "Hydraulics of Fusions" of the Casting Section of the Scientific Technical Department of the Machine Building Industry (Informatsiya o zasedanii komissii "Gidravliki rasplavov" liteynoy seksii TsP KTO MASHPRONA)

PERIODICAL: Liteynoye proizvodstvo, 1958, Nr 8, pp 27-32 (USSR)

ABSTRACT: The conference of the commission "Hydraulics of Fusions" dealt with the rational principles for designing casting systems. The Candidate of Technical Sciences B.V. Rabinovich read a paper in which he demonstrated that in all casting systems, a positive pressure should be maintained to keep out alien gases. For an optimum of the weight speed of casting, the linear speed of the metal poured into the mold should be low. The slag remover should be designed and calculated with regard to the critical speed of "equilibrium" and the use of inertia forces. In the discussion, the propositions of V.I. Fundator were considered. It has been established that the system with hydraulic stop, type Fundator, can not remove the slags automatically. The method for choking by means of a sharp local reduction of the canal is rejected by V.I. Fundator without reason. The

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SOV-128-58-8-19/21

Information of the Session of the Commission "Hydraulics of Fusions" of the Casting Section of the Scientific Technical Department of the Machine Building Industry

commission has shown that some comparisons between diagrams were made by V.I. Fundator without regard to scientific and ethical principles. He presents no theoretical arguments and bases his views only on empirical relations.

There are 7 sets of diagrams, 2 tables, 1 graph, and 23 references, 19 of which are Soviet, 2 English, 1 German, and 1 Czechoslovakian.

1. Foundries--Equipment 2. Metals--Casting

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S/128/61/000/001/004/009
A054/A133

AUTHORS: Klatskin, G. I.; Sobol', M. L.; D'yakonov, V. Ye.;
Rabinovich, V. D., and Yan Zhu-Yao.

TITLE: Study of processes in cupola furnaces in which part of the coke
is replaced by natural gas

PERIODICAL: Liteynoye proizvodstvo, no. 1, 1961, 19-25

TEXT: Although several Soviet plants use natural gas for firing furnaces, there is still a number of problems connected with the replacement of coke by gas. In cooperation with the Mosgazoprojekt Institute the Stan-kolit Plant put a coke-gas fired 10 - 12 t/h capacity cupola furnace into service last year, which is equipped for tests. As to the design of gas-fired furnaces, the general opinion is that when fired only by natural gas, the cupola design must be changed radically and should be given a shape resembling a shaft or air furnace. When both coke and gas are applied, however, its design has to undergo only slight modifications and, if necessary, the furnace can be fired by coke only. Special features of the furnace converted for coke and gas firing (Fig. 1) are the two collectors which feed

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air to the tuyères and the burners, respectively. The tuyères are moreover arranged only in one row in connection with the considerably reduced amounts of coke and air used. In order to establish the optimum height of the burner assembly, twelve burners were mounted in the test-cupola in three rows, the first at a height of 770, the second at 1,070 and the third at 1,370 mm from the axis of tuyères. At the simultaneous combustion of gas and coke the regulation and distribution of the blast between tuyères and burners is very important. With the collectors (4, 5 in Fig. 1) which operate in combination with independent fans, the required constant gas-coke ratio in the cupola can be set and maintained. Complete burning of the gas outside the shaft is obtained by a special tunnel-antechamber for the discharge of the gas-air mixture from the burners. The most suitable burner for cupolas fired with mixed fuels is the double-circuit type, in which the gas and the air can be pre-mixed and the outlet cross section is such that the speed of the outflowing air-gas mixture is more than 40 - 50 m/sec. During smelting in the cupola furnace the parameters of gas and air consumption for tuyères and burners change constantly. The control panel (Fig. 4) has push buttons controlling the slidevalve mechanisms (16, Fig. 4), the push button for stopping the cupola operation in case of danger (17, Fig. 4), a button for au-

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Study of processes in cupola furnaces...

dible and one for light signals (18, 20, Fig. 4), a safety-release button (19, Fig. 4). In order to maintain a constant gas pressure before the burners and to ensure the combustion of gas at a given ratio to air, two jet-regulators from the Khar'kovskiy zavod Teploavtomat (Khar'kov Teploavtomat Plant) are mounted, one controlling the gas pressure (8, Fig. 4), the other the gas-air ratio (9, Fig. 4). The controlling pulse is given to the pressure regulator when the gas pressure before the burners attains 0.27 atmospheres. The change in pressure before the burners is compensated by a valve (operated by a К-80-15 = SK-80-15 servo-motor), moving before the burners in the required direction to equalize the gas pressure. The gas-air ratio regulator receives pulses of pressure drops from a diaphragm which controls the gas and air consumption (differential type ДНЗМ (DPEM) pressure gauge). Air consumption of the tuyères and burners is controlled by an Э-610 (E-610), gas consumption by an Э-612 (E-612) device. In order to prevent gas-explosions, a ПК-100 (PK-100) safety valve, designed by the Mosgazproyekt, is mounted in the gas conduit; it is equipped with an electromagnet whose head is connected to the air-collector of the burners through a pulse pipe. When the air-pressure drops below a certain value, the gas supply is switched off automatically. When the gas pressure drops below 0.15 atm, the СПАС-1.5

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(SPDS-1.5) gas-pressure indicator (12, Fig. 4), starts operating and the gas-supply is stopped. The operation of all these devices is signaled by a flashlight (20) and a howler (13). The air-collectors are provided with valves to prevent their destruction in case of explosion. The smelting process, the quality of metal smelted in a mixed-fuel cupola and the composition of the combustion products were studied with various rows of burners (I, II, III) and also with different combinations, respectively: at the same time I-II, II-III, I-III and all three. The other conditions of the process (composition of the charge, for C 4 24-44 (SCh 24-44) iron, firing conditions and temperature, etc.) were identical in all tests. It was found that by charging 100 kg coke and 30 m³ gas into the furnace for 1 ton iron, 875,000 kcal heat was introduced, as against 992,000 kcal of heat used for the same amount of iron in furnaces fired by coke only. This can be explained by the fact that less heat is spent on slag formation due to the decrease in the amount of flux applied and to the improvement of heat transfer to the charge in the cupola furnaces, partly fired by gas. An analysis of the gas composition in coke-fired and coke-gas fired cupolas showed that the CO₂/CO ratio is higher in the latter type of furnaces. It was found that by mounting the burners higher in the furnace shaft the CO₂ content of furnace

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gases increases while the CO content decreases. The hydrogen content also increases in furnaces with mixed fuels (it is 2 - 2.5 %, three times more than when firing with coke alone). The higher the burners are placed, the higher the hydrogen content. Figure 7 presents the temperature conditions of mixed-fuel cupolas and shows that they are 150 - 300°C higher than those in coke fired furnaces. At a level of 3 m from the tuyere the temperature of separating gases attains 950°C in the coke-gas furnace, (when row I of burners is operating), while the corresponding temperature for coke-fired furnaces is 650 - 700°C. Thus, the smelting of the metal charge begins at higher levels in the coke-gas fired furnace. As to the behavior of carbon, silicon and magnesium, no change is found in iron smelted in mixed-fuel cupolas, while the sulphur content decreases by 0.01 - 0.02 %. When the burners of the upper row are used, iron shows an increased tendency to form cementite and shrinkage cavities, while its fluidity seems to decrease. Moreover, iron produced in mixed-fuel furnaces has a higher hardness (by 10 - 15 Brinell grades) while the mechanical properties do not change. The lining of mixed-fuel furnaces requires more frequent repairs since it burns higher up. The coating consists of 35 % sand, 25 % refractory clay and 40 % waste of fireclay bricks. Especially the coating of gas-burner tunnels has to be

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in perfect condition, because the regularity of the geometrical form of the tunnel greatly affects the intensity of gas combustion. Coating with fire-clay blocks was too expensive, a refractory mass is therefore used. The operation conditions of the mixed-fuel cupola are given in Table 6. The coke bed is 1,400 mm high. When the normal operation conditions are attained, further operation is controlled automatically. The experience of 14 months of operation has shown that the mixed-fuel cupola works satisfactorily with 10 % coke for 300 nm³/hour gas at an air consumption of 5,000 nm³/hour, producing 10 tons of iron per hour at a temperature of 1,430°C in the chute. The output of the mixed-fuel cupola is increased by 20 - 25 % as compared with coke-fired cupolas. There are 6 tables and 13 figures.

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Figure 1:

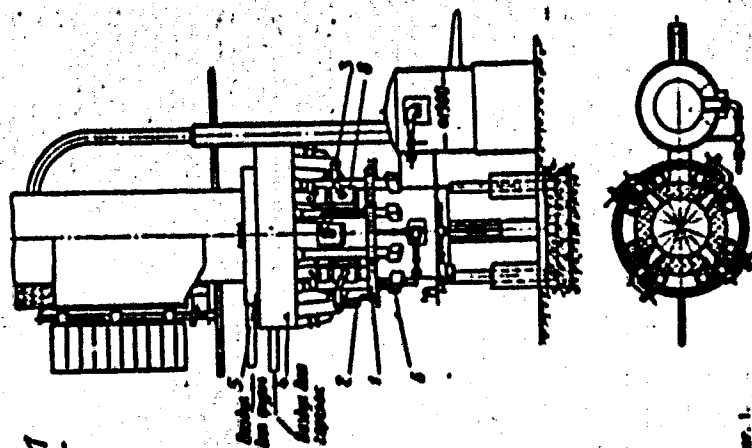


Fig. 1

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Figure 1: (continued)

Mixed-fuel cupola furnace

- 1 - collector;
- 2 - stand pipe;
- 3 - burner;
- 4, 5 - air collectors;
- 6 - tuyere;
- 7 - tunnel;
- 8 - rectangular-section container.

Horizontal legend: 1 - Air for tuyeres
2 - Air for burners

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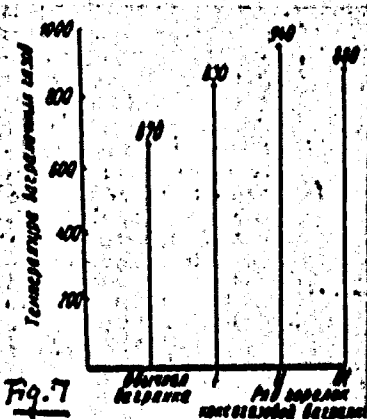


Figure 7:

Temperature of furnace gases

Horizontal legend:

Conventional cupola, I-II-III row of burners in the coke-gas fired cupola

Vertical legend:

Temperature of furnace gases

Fig. 7

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Fig. 4

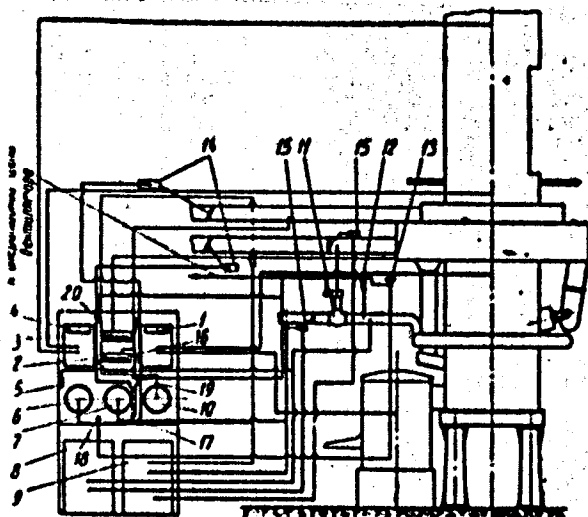


Figure 4:

Control devices and automatic system of the coke-gas fired furnace

1 - millivoltmeter; 2,3 - diaphragm pressure gauge; 4 - millivoltmeter; 5 - (not given); 6, 10 - air consumption gauge; 7 - gasometer; 8, 9 - automatic jet regulators; 11 - safety valve; 12 - contacts indicating the gas pressure drop; 13 - howler; 14 - operating mechanism; 15 - servomotor, 16 - mechanism of slide valves; 17 - push button for stopping furnace operation; 18 - sound signal; 19 - safety switch off device; 20 - lamp.

Vertical legend: to the power line of fan

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Table 1: Technical characteristics of the test cupola

Designation	Specification
Internal diameter of the furnace shaft	1,300 mm
Number of tuyère rows	1
Number of tuyères in the row	8
Ratio of tuyère-section surface to the surface of shaft section	10 %
Number of burner rows	3
Total number of burners	12
Distance between bottom and tuyère axis	850 mm
Distance between the tuyère axis and the lowest row of burners	770 mm
Distance between the burner rows	300 mm
Distance between the upper edge of tuyères and the sill of charging door	3,935 mm
Forehearth-internal diameter	1,100 mm



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Study of processes in cupola furnaces...

8/128/61/000/001/004/009
A054/A133

✓

Table 6: Operation conditions of cupola fired with coke and gas

Time from the beginning of furnace operation, min	Air in the tuyere		Air in the burner		Gas	
	Pressure mm water column	Consumption m ³ /h	Pressure mm water column	Consumption m ³ /h	Pressure mm water column	Consumption m ³ /h
0 - 20	250-300	2,500	-	-	-	-
20 - 30	500-600	3,500	900-1,000	3,000	2,700	300
30 and more	700-800	5,000	950-1,050	3,000	2,700	300

The pressure should be raised until the pointer of the gage does not move from 0.

Card 12/12

KLETSKIN, G.I., kand. tekhn. nauk; SUKHARCHUK, Yu.S., kand. tekhn. nauk;
BLAGONRAVOV, B.P., inzh.; SOBOL', N.L., inzh.; D'YAKONOV, V.Ye.,
inzh.; RABINOVICH, V.D., inzh.

Melting cast iron in a coke-oven gas-fired cupola. Lit.proisv.
no.12:1-4 D '65. (MIRA 18:12)

KLETSKIN, M.I.; MAXTAZ, K.Y.

Standardisation of agricultural machinery. Trakt. i sel'khoz mash.
no.5:41-44 My '58. (MIRA 11:6)
(Agricultural machinery--Standards)

~~KLETSKIN, M. I.~~

Work of the conference on mounted agricultural machinery. Trakt. i
sel'khoz mash no. 6:3 of cover Je '58. (MIRA 11:7)

1. Glavnyy konstruktor Vsesoyuznogo nauchno-issledovatel'skogo
instituta sel'skokhozyaystvennogo mashinostroyeniya,
(Agricultural machinery)

KLETSKIN, M.I., insh.; MAKHLIN, Ye. A., insh.

SSh-45 prime mover and mounted harvesting equipment for it.

Trakt i sel'khoz mash no. 7:3-9 J1 '58.

(MIRA 11:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya.

(Tractors)

(Harvesting machinery)

KLETSKIN, M.I.

Line of development for the improvement of agricultural machinery.
Trakt. i sel'khoz mash. no.11:1-3 N '58. (MIRA 11:11)

1. Glavnyy konstruktor Vsesoyuznogo nauchno-issledovatel'skogo instituta
sel'skokhozyaystvennogo mashinostroyeniya.
(Agricultural machinery)

LAYKHTER, E.G.; CHUMAK, A.V., insh., red.; BEZHUCHKIN, I.P., kand.tekhn.
 nauk, red.; ZANIN, A.V., kand.tekhn.nauk, red.; ZVOLINSKIY, M.P.,
 insh., red.; IVANOV, I.S., insh., red.; KLETSKIN, M.I., insh., red.;
 PETROV, G.D., kand.tekhn.nauk, red.; PUSTYGIN, M.A., doktor tekhn.
 nauk, red.; RABINOVICH, I.P., kand.tekhn.nauk, red.; RUDASHEVSKIY,
 D.Sh., kand.tekhn.nauk, red.; SINEKOV, G.N., doktor tekhn.nauk, red.;
 SYSOYEV, N.I., kand.tekhn.nauk, red.; FEDOROV, V.A., insh., red.;
 CHAPKEVICH, A.A., kand.tekhn.nauk, red.; PONOMAREVA, A.A., tekhn.red.

[Bibliographic manual on tillage machinery and implements] Biblio-
 graficheskiy spravochnik po pochvoobrabatyvaiushchim mashinam i oru-
 diam. Moskva, Gosplanizdat. No.2. [Literature in the Russian
 language from 1730-1955] Literatura na russkom iazyke za 1730-1955 gg.
 Pod red. G.N.Sinekova. 1959. 263 p. (MIRA 13:9)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'sko-
 khosyystvennogo mashinostroyeniya.
 (Bibliography--Agricultural machinery)

KLETSKIN, M.I.

Work in the automation of agricultural operations. Frakt.1
sel'khoz mash. no.8:1-2 Ag '59. (MIRA 12:11)

1. Glavnyy konstruktor Vsesoyuznogo nauchno-issledovatel'skogo
instituta sel'skokhozyaystvennogo mashinostroyeniya.
(Agricultural machinery)

KLETSKIN, M. I.

Work results obtained in 1958 by the All-Union Research
Institute of Agricultural Machinery Building and main objec-
tives of the institute's 1959 plan. Trakt. i sel'khoz mash.
no. 8:13-16 Ag '59. (MIRA 12:11)

1. Glavnyy konstruktor Vsesoyuznogo nauchno-issledovatel'skogo
instituta sel'skokhozyaystvennogo mashinostroyeniya.
(Agricultural machinery)

KLITSKIN, M.I.

New machinery for agriculture. Trakt. i sel'khoz mash. no.12:1-2
D '59. (MIRA 13:3)

1. Glavnyy konstruktor Vsesoyuznogo nauchno-issledovatel'skogo instituta
sel'skokhozyaystvennogo mashinostroyeniya.
(Agricultural machinery)

VOLKOV, Yu.I., insh.; GAFANOVICH, A.A., kand.tekhn.nauk; GLADKOV, M.G.,
kand.sel'skokhos.nauk; GORKUSHA, A.Ye., agr.; ZHITNEV, N.F., insh.;
ZANIN, A.V., kand.tekhn.nauk; ZAUSHITSYN, V.Ye., kand.tekhn.nauk;
ZVOLINSKIY, M.P.; ZEL'TSERMAN, I.M., kand.tekhn.nauk; KAIPOV, A.W.,
kand.tekhn.nauk; KASPAROVA, S.A., kand.sel'skokhos.nauk; KOLOTUSHKINA,
A.P., kand.ekon.nauk; KHUGLYAKOV, A.M., insh.; KURNIKOV, I.I., insh.;
LAVRENT'YEV, L.M., insh.; LEBEDEV, B.M., kand.tekhn.nauk; LEVITIN,
Yu.I., insh.; MAKHLIN, Ye.A., insh.; NIKOLAYEV, G.S., insh.;
POLESCHENKO, P.V., kand.tekhn.nauk; POLUNOCHEV, I.M., agr.; P'YANKOV,
I.P., kand.sel'skokhos.nauk; RABINOVICH, I.P., kand.tekhn.nauk;
SOKOLOV, A.F., kand.sel'skokhos.nauk; STISHKOVSKIY, A.A., insh.;
TURBIN, B.G., kand.tekhn.nauk; CHARAN, I.V., insh.; CHAPKEVICH, A.A.,
kand.tekhn.nauk; CHERNOV, G.G., kand.tekhn.nauk; SEMELEV, B.M., kand.
tekhn.nauk; KRASNICHENKO, A.V., insh., red.; KLITSKIN, M.I., insh.,
red.; MOLTUKOV, G.A., insh., red.; ELAGOSKLONOVA, N.Yu., insh., red.;
UVAROVA, A.F., tekhn.red.

[Reference book for the designer of agricultural machinery in two
volumes] Spravochnik konstruktora sel'skokhoziaistvennykh mashin
v dvukh tomakh. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.
lit-ry. Vol.1. 1960. 655 p. (MIRA 13:11)
(Agricultural machinery--Design and construction)

KLETSKIN, M.I.; PETROV, G.D.

Results obtained in 1961 from testing potato combines and grading points. Trakt.i sel'khozmasb. 31 no.3:22-27 Mr '61. (MIRA 14:3)

1. Glavnyy konstruktor Vsesoyuznogo nauchno-issledovatel'skogo instituta sel'skokhozyaystvennogo mashinostroyeniya (for Kletskin). 2. Nachal'nik laboratorii kartofelsuborochnykh mashin Vsesoyuznogo nauchno-issledovatel'skogo instituta sel'skokhozyaystvennogo mashinostroyeniya (for Petrov).

(Potato digger(Machine)) (Potatoes-Grading)

KLETSKIN, M.I.

Fundamental advanced trends in the constructional development of agricultural machinery. Trakt. i sel'khoz mash. 31 no.10:18-20
0 '61. (MIRA 14:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokho-
zyaystvennogo mashinostroyeniya.
(Agricultural machinery)

PETROV, G.D.; KLETSKIN, M.I.

Results of the inspection and testing of potato diggers and grading stations by a government agency in 1961. Trakt. 1 sel'khozmasb. 32 no.2:17-22 F '62. (MIRA 15:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya.

(Potato digger (Machine))
(Potatoes)

OREKHOV, A.D.; MUSINOV, L.N.; KAUFMAN, V.A.; KLETSKIN, M.I., inzh.,
retsensent; ZHURAVLEVA, M.N., red. izd-va; MODEL', B.I.,
tekh. red.

[New agricultural machines] Novye sel'skokhoziaistvennye mashiny;
kratkii spravochnik. Izd.2., perer. Moskva, Mashgis, 1962.
279 p.

(MIRA 15:11)

(Agricultural machinery)

VOLKOV, G.I. [deceased]; KLETSKIN, M.I., insh., retsentsent; FAL'KO, O.S., insh., red.; EL'KIND, V.D., tekhn.red.

[Agricultural machinery in the U.S.A.; state and developmental trends] Sel'skokhoziaistvennaia tekhnika v SShA; sostoianie i tendentsii razvitiia. Moskva, Mashgis, 1963. 313 p.

(MIRA 16:6)

(United States--Agricultural machinery)

KLETSKIN, M.I.

Harvesting sugar beets for forage by stages. Trakt. i sel'khoz mash.
33 no.7:19-22 J1 '63. (MIRA 16:11)

1. Glavnyy konstruktor Vsesoyuznogo nauchno-issledovatel'skogo
instituta sel'skokhozyaystvennogo mashinostroyeniya.

KLETSKIN, M.I.; RABINOVICH, I.P., kand. tekhn. nauk; TENENBAUM, M.M.,
kand. tekhn. nauk

Estimating the reliability and life of agricultural machines.
Trakt, i sel'khoz mash. 33 no.5:1-4 My '63. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya. 2. Glavnyy konstruktor Vsesoyuznogo nauchno-issledovatel'skogo instituta sel'skokhozyaystvennogo mashinostroyeniya (for Kletskin).

RIETSKIN, M.I.

Some problems in developing universal types of agricultural machines. Trakt. i sel'khoz mash. 33 no.9:16-18 8 '63. (MIRA 16:10)

1. Glavnyy konstruktor Vsesoyuznogo nauchno-issledovatel'skogo instituta sel'skokhozyaystvennogo mashinostroyeniya.
(Agricultural machinery)

KLETSKIN, M.I.; TENENBAUM, M.M., kand. tekhn. nauk

Increasing the reliability and durability of agricultural machinery.
Trakt. i sel'khoz mash. no.8:16-19 Ag '64.

(MIRA 17:11)

1. Glavnyy konstruktor Vsesoyuznogo nauchno-issledovatel'skogo
instituta sel'skokhozyaystvennogo mashinostroyeniya (for Kletskin).

KLETSKIN, M.I.; POLESCHCHENKO, P.V.

Basic problems of the development of work in improving the quality, reliability and durability of agricultural machinery. Trakt. i sel'khoz mash. no.6:1-3 Je '65. (MIRA 18:7)

1. Glavnyy konstruktor Vsesoyuznogo nauchno-issledovatel'skogo instituta sel'skokhozyaystvennogo mashinostroyeniya (for Kletskin, 2. Rukovoditel' laboratorii kachestva sel'skokhozyaystvennykh mashin Vsesoyuznogo nauchno-issledovatel'skogo instituta sel'skokhozyaystvennogo mashinostroyeniya (for Poleshchenko).

TENENBAUM, M.M.; KLITSKIN, M.I.; YEREMEYEV, A.P.; PAYKIN, M.M.

Structural analysis of dust protecting devices for the bearing units of agricultural machinery. Trakt. i sel'khozmasb. no. 2: 29-32. Ag '65. (MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skhozvaystvennogo mashinostroyeniya, Moskva (for Tenenbaum, Klitskin).
2. Ryssanskoye gosudarstvennoye spetsial'noye konstruktorskoye byuro (for Yereyev, Paykin).

VAGIN, Ye.A., kand. sel'khoz. nauk; KVAPIL', A.I., kand. sel'khoz. nauk[deceased]; KLETSKIN, P.T., kand. sel'khoz. nauk; UTKIN, L.O., kand. biol. nauk. Prinimal uchastie KLADOVSHCHIKOV, V.F., kand. sel'khoz. nauk; ZAVARSKIY, A.I., red.

[Fur farming and rabbit husbandry] Pushnoe sverovodstvo i krolikovodstvo. Moskva, Koles, 1965. 286 p.
(MIRA 18:7)

1. Nauchno-issledovatel'skiy institut pushnogo sverovodstva i krolikovodstva (for all except Zavarskiy).

POPKOVA, N.F.,; YETS, A.G.,; KLITSKIN, S.Z.

Effect of an onion-garlic extract on pus-forming bacteria.
Zhur. mikrobiol., epid. i immun. 27 no.1:105-106 Ja '56.(MLBA 9:5)

1. Iz kafedry mikrobiologii (sav.-prof. D.F. TSimbalist) i kafedry
obshchey khirurgii (sav.-prof. S.G. Rukosuyev) Yaroslavskogo
meditsinskogo instituta (dir.-prof. N.Ye. Yarygin)

(GARLIC,

extract of garlic & onion, eff. on pus-forming bacteria
(Rus))

(VEGETABLES,

onion, extract of onion & garlic, eff. on pus-forming
bact. (Rus))

(BACTERIA,

pus-forming, eff. of onion & garlic extract (Rus))

KLETSKIN, P. T.

Cand Bio Sci, Diss -- "Certain features in the digestibility of food and nitrogen exchange of fur-bearing animals". Moscow, 1961. 18 pp, 21 cm (Moscow Vet Acad. Min of Agr RSFSR), 200 copies, Not for sale (KL, No 9, 1961, p 180, No 24310). /61-51138/

COL'DENBERG, A.Ya.; BEGLYAROVA, N.I.; KURTYACHAYA, D.K.; ~~KLETSKINA, K.T.~~;
BISKUBOVA, Z.O.; BAYRAMOV, M.N.; SHUSTER, D.Ye.; TOLL', M.Kh.

Prophylactic examination of the population for tuberculosis. Sov.
med. 25 no.5:78-82 My '62. (MIRA 15:8)

1. Iz organizatsionno-metodicheskogo sektora (rukovoditel' - kand.
med.nauk A.Ya.Col'denberg) Khar'kovskogo instituta tuberkuleza i
oblastnykh protivotuberkuleznykh dispanserov: Khar'kovskogo
(glavnyy vrach N.T.Beglyarova), Dnepropetrovskogo (glavnyy vrach
K.T.Kletskina), Zaporozhskogo (glavnyy vrach M.M.Bayramov) i
Sevastopol'skogo gorodskogo dispansera (glavnyy vrach M.Kh.Toll').
(TUBERCULOSIS—PREVENTION) (MEDICAL SCREENING)

KLETSKIY, A.V.

Pressure curve for freon-22. Inzh.-fiz. zhur. 7 no.4:40-43
Ap '64. (IRA 17:4)

1. Tekhnologicheskii institut kholodil'noy promyshlennosti,
Leningrad.

ACCESSION NR: 'AP5002091

S/0146/64/007/006/0089/0091

AUTHOR: Kletskiy, A. V.

TITLE: Differential manometer for a P-v-T outfit

SOURCE: IVUZ. Priborostroyeniye, v. 7, no. 6, 1964, 89-91

TOPIC TAGS: differential manometer

ABSTRACT: A glass U-tube mercury differential manometer for pressures up to 10 bars and temperatures up to 200C is briefly described. Metal nipples are connected to the glass tube on the principle of the metal-glass seal used in electron tubes or light bulbs. Careful annealing and subsequent treatment of the glass with hydrofluoric acid help in preventing undue stresses in the seal. Elastic suspension makes the manometer shock-proof. Orig. art. has. 1 figure.

ASSOCIATION: Leningradskiy tekhnologicheskii institut kholodil'noy promy'shlennosti (Leningrad Technological Institute of Refrigeration Industry)

SUBMITTED: 01Feb64

ENCL: 00

SUB CODE: 1E

NO REF SOV: 003

OTHER: 000

KLETSKIY, I. K. Cand Med Sci -- (diss) "Comparative data on the treatment of abdominal gun-shot wounds under conditions of MSB ^{3/} ~~Medical Battalion~~ ¹¹ and, Inst of First Aid in N. V. Sklifosovskiy." Mos, 1959. 15 pp (Acad Med Sci USSR), 200 copies (KL, 43-59, 127)

-85-

KLITSKIY, Lev Mikhaylovich [Klets'kiy, L.M.]

**[Economics of socialist agriculture] Ekonomika sotsialisticheskogo
sil's'kogo khozaystva. Vyd. 2., perer. i dop. Kharkiv, Vyd-vo
Kharkivs'kogo derzh. univ., 1957. 357 p.
(Agriculture--Economic aspects) (MIRA 12:7)**

KLITSKIY, Lev Mikhaylovich

[Economics of socialist agriculture] Ekonomika sotsialisticheskogo
sel'skogo khoziaistva. Perevod so vtorogo ukrainskogo izdaniia.
Khar'kov, Izd-vo Khar'kovskogo gos.universiteta im. A.M.Gor'kogo.
1958. 346 p. (MIRA 12:3)
(Agriculture--Economic aspects)

ZAYTSOV, Aleksey Gavrilovich; KLETSKIY, L.M., prof., otv.red.;
KOVALOVA, Z.G., red.; TROFIMENKO, A.S., tekhnred.

[Economics of labor on collective farms] Ekonomika truda
v kolxosakh. Khar'kov, Izd-vo Khar'kovskogo gos.univ.
im. A.M.Gor'kogo, 1959. 115 p. (MIRA 13:5)
(Collective farms)

KLITSKIY, L.M. [Klets'kiy, L.M.], akademik

Specialisation in agriculture. Nauka i shtetia 10 no.7:
28-31 J1 '60. (MIRA 13:7)

1. Ukrainskaya akademiya sel'skokhozyaystvennykh nauk.
(Khorol District—Agriculture)

OSTROVERKH, Nikolay Povich; KLETSKIY, L.M., doktor ekon. nauk, prof.,
otv. red.; SHARUN, I.K., red.-va; BAHENKO, R.Yu., tekhn.
red.

[Ways for increasing agricultural labor productivity; based
on the materials of the collective farms of the Ukrainian
S.S.R.] Puti povysheniya proizvoditel'nosti sel'skokhozi-
astvennogo truda; na materialakh kolkhosov Ukr.SSR, Kiev, Izd-
vo AN USSR, 1963. 239 p. (MIRA 16:9)
(Ukraine--Agriculture--Labor productivity)

HUBASHEV, L.; KLETSKIY, L. [R.]

Formosa--Foreign Relations--United States

Taiwan is Chinese. Zvezda, No. 2, 1952

Monthly List of Russian Accessions. Library of Congress, March 1952. UNCLASSIFIED

SOV/11-59-10-12/16

3(5)

AUTHOR: Kletskiy, L.R.

TITLE: At the Source of Chinese - Soviet Scientific Collaboration

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, 1959, No. 10, pp 121-123 (USSR)

ABSTRACT: The article deals with the development of the Chinese-Soviet friendship and of the scientific collaboration, on the occasion of election in 1958, as a foreign member of the AS USSR, of Professor Li Sou-kuang, a famous Chinese geologist. A year later he was awarded the gold medal imeni A.P. Karpinskiy by the Presidium of the AS USSR. Almost at the same time news was received that Professor Li Sou-kuang was elected deputy chairman of the Central Directorate of the Chinese-Soviet Friendship Society. Professor Li Sou-kuang took an active part since 1919 in strengthening friendly and scientific relations between the two countries. He maintained personal friendly relations with the then President of the Soviet AS

Card 1/2

SOV/11-59-10-12/16

At the Source of Chinese - Soviet Scientific Collaboration

Academician A.P. Karpinskiy, with the Professor of Moskovskiy universitet (Moscow University) A.P. Pavlov, corresponding Member of the AS USSR A.A. Borisyak, A. Ye. Persman, Professor M.A. Bolkhovitinova, Academician P.Yu. Levinson-Lessing, etc. At his invitation, the well-known Soviet paleontologist A.N. A.N. Krishtofovich, P.I. Polevoy, Academician V.L. Komarov, Corresponding Member of the AS USSR B.Ya. Vladimirtsev and the member of the Komissiya po izucheniyu proizvoditel'nykh sil SSSR (Commission for the Study of Productive Forces of the USSR) (later Academician) L.S. Berg visited China. Presently, Professor Li Shu-hong is also minister of geology of China, vice-president of the Chinese Academy of Sciences and president of the All-China Society of Natural Sciences. There are 6 references of which 5 are Soviet and 1 Chinese (in English).

Card 2/2

KLETSKI V.I.

Extension of credit to the peat industry of the White Russian S.S.R.
Vestel AN BSSR. Ser.bram.nav. no.1:85-97 '57. (MLRA 10:6)
(White Russia--Peat industry)

KLITSKIY, V.

issuing credit to peat extracting enterprises. Den. i kred. 15
no. 7: 34-40 J1 '57. (KLEA 10:8)
(Peat) (Credit)

KLITSKIY, V.I. (Minsk)

Combining the financial and credit plans. Fin.SSR 18 no.8:61-62
Ag '57. (MIRA 10:8)
(Finance) (Peat industry--Finance)

KLETSKIY, V. /.

Shortcomings in planning working capital in peat enterprises.
Fin. SSSR 20 no.5:60-62 My '59. (MIRA 12:10)
(White Russia--Peat--Finance)

KLETSKIY, V.P., inzh.

Start component ^{du2} for complex protection systems. Elek. sta.
36 no.12:78-79 ^{at} D '65. (MIRA 18:12)

KLITSKIY, V.P., insh.

Maximal directional protection in a ring-shaped network having two
feeding sources. Elek. sta. 29 no. 7:92 J1 '58. (MIRA 11:10)
(Electric networks)

BATALINA, A.A.; KLETSOVA, V.I.

Effent of atmospheric humidity on the filter weight. Trudy Lal'nevost.
NIGMI no.12:42-44 '61. (MIRA 14:12)
(Filters and filtration) (Sedimentation and deposition)

KLETSKIY, V.P., inzh.; SHUR, Yu.B., inzh.

Increase in the reliability of the electric power supply of traction
substations. Elek. sta. 36 no.9:79. 3 '65. (MIRA 18:9)

ACCESSION NR: AP4037249

S/0208/64/004/003/0434/0448

AUTHOR: Klettler, R. (Leipzig)

TITLE: Application of a new reduction method in the eigenvalue problem for partial differential equations

SOURCE: Zhurnal vyshislitel'noy matematiki i matematicheskoy fiziki, v. 4, no. 3, 1964, 434-448

TOPIC TAGS: reduction method, eigenvalue, partial differential equation, eigenfunction

ABSTRACT: The author extends work of his previous paper (Ein Einschliessungssatz für Eigenwerte, zu Randwertproblemen bei elliptischen linearen partiellen Differentialgleichungen. Arch. Rat. Mech. and Anal., 1962, 11, No. 3, 273-290). In that paper he reduced the problem of finding the smallest eigenvalue λ_1 of a given differential equation to that of finding the smallest eigenvalue μ_1 of some corresponding ordinary differential equation depending only on certain arbitrary functions $s(\beta)$ and additional parameters x_1 . In the present paper he broadens the assumptions and also gives an estimate from below for λ_1 directly in terms of

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ACCESSION NR: AP4037249

$\mu_1(x_1)$. He proves that, with good choice of $s^{(\beta)}$, μ_1 is arbitrarily close to λ_1 . He demonstrates that his approximation is often better than others in examples of membrane oscillations. Orig. art. has: 19 formulas.

ASSOCIATION: none

SUBMITTED: 14Oct63

DATE ACQ: 09Jun64

ENCL: 00

SUB CODE: MA

NO REF SOV: 002

OTHER: 007

Card 2/2

KLETUSHKIN, N.
Country : USSR
Category : Farm Animals.
Cattle. Q
Abs. Jour : Ref Zhur-Biol., No 21, 1958, 96893
Author : Kletushkin, N.
Institut. : "
Title : The Fattening of Young Castrated Bulls and the
Utilization of a Green Crop Conveyer.
Orig Pub. : Molochn. i myasn. zhivotnovodstvo, 1958, No 2,
40-41
Abstract : No abstract.

Card: 1/1

51

KLEUT, D.; AVRAMOV, R.; RANISAVLJEVIC, B.

Lipoproteins in tuberculous patients. Tuberkuloza 16 no.5:
372-377 S-D '64

1. Vojni institut za tuberkulozu (Nacelnik: puk. prof. dr.
M. Tucakovic); Biokemijski institut farmaceutskog fakulteta u
Beogradu (Sef: prof. dr. I. Berkes).

JEVRIC, Savo, sanitetski potpukovnik , dr.; RANISAVLJEVIC, Bora, sanitetski
pukovnik, dr.; KLEUT-BOJOVIC, Danica, sanitetski potpukovnik, mr.;
VELJANOVSKI, Cvetko, viši medicinski tehnicar.

Studies on the lipoprotein index in tuberculous diseases. Vojno-
sanit. pregl. 21 no.9:555-560 S '64

1. Vojni ATD, Beograd; Vojni Institut za TBC, Beograd.

KLEUT-JELIC, Ruza; HUKOVIC, Dusan

Suppurative oto-anthrits in diseases of newborn infants. Med.
pregl. 17 no.7:355-358 '64

1. Pokrajinska deoja bolnica, Novi Sad (Upravnik: Prim. dr.
Djura Jovanovic).

KLEUT-JELIC, R.; CVIBAH, T.

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