

STEPANOK, Ye. G., Cand Med Sci -- (diss) "Investigation of nervous elements in conservational and transplantational cornea." Odessa, 1960. 16 pp; (Odessa State Medical Inst im N. I. Pirogov); 300 copies; price not given; (KL, 52-60, 123)

BISHMICH, D.G., prof. · STEPANOK, Ye.G., kand. med. nauk

Clinical and morphological studies of retrocorneal membranes  
following keratoplasty. Oft. zhur. 18 no.4:223-229 '63.

(MIRA 17:4)

1. Iz Ukrainskogo nauchno-issledovatel'skogo eksperimental'nogo  
instituta glaznykh bolezney i tkansvoy terapii imeni akademika  
V.P. Filatova.

GOL'DENFON, A., kand. tekhn. nauk; STEPANOV, A., kand. tekhn. nauk

Methods of preventing and removing the sediments of heavy  
fuels. Mor. flot. 25 no. 12:27-28 D '65. (MIRA 18:12)

1. Nachal'nik otdela Tsentral'nogo nauchno-issledovatel'skogo  
instituta morskogo flota (for Gol'denfon). 2. Nachal'nik  
laboratorii Tsentral'nogo nauchno-issledovatel'skogo instituta  
morskogo flota (for Stepanov).

STEPANOV, A.

Types of ships suitable for the health resort areas of the Black Sea.  
Mor. flot 24 no.8:15 Ag '64. (MIRA 18:9)

1. Nachal'nik Yaltinskogo porta.

*SECRETARY ANALYSIS A*

POSTNIKOV, Aleksandr Konstantinovich; STEPANOV, Anatoliy Alekseyevich;  
PIMENOV, Ivan Ivanovich; SHARIKOV, I.M., retsenzent; SEGAL', N.M.,  
redaktor; MEDVEDEVA, L.A., tekhnicheskiiy redaktor

[OPL-2 wringing and rinsing machine for retted flax] Otzhimno-  
promyvnaia mashina OPL-2 dlia l'nianoi tresty. Moskva, Gos.nauchno-  
tekhn.izd-vo M-va legkoi promyshl. SSSR, 1957. 33 p. (MLRA 10:9)  
(Flax)

STEPANOV, A.

Economy without thrift. Fin. SSSR 23 no.12:65-66 D '62.  
(MIRA 16:1)

1. Starshiy kontroler-revizor Kontrol'no-revizionnogo uprav-  
leniya po Moskovskoy oblasti.

(Moscow Province—Knit goods industry—Finance)

STEPANOV, A.

Device for dismantling and fitting rear axle naves. Av.transp.  
40 no.7:51 J1 '62. (MIRA 15:8)  
(Garages--Equipment and supplies)

STEPANOV, A.A.

Efficient circuit for a PDM-35 electric drive. Elek. i tepl.  
tiaga 4 no.11:25 N '60. (MIRA 13:12)

1. Glavnyy spetsialist otdela elektrifikatsii Sibgiprotransa.  
(Electric railroads--Wires and wiring)  
(Electric driving) (Electric cutouts)



CHAYKOVSKIY, V.K.; STEPANOV, A.A.

Some characteristics of the endogene ore process. Sov. geol. 6  
no.6:3-19 Je '63. (MIRA 16:7)

1. Laboratoriya osadochnykh poleznykh iskopayemykh AN SSSR.  
(Siberia, Eastern—Ore deposits)

STEPANOV, A.A., inzh.

Flowability of molding mixtures. Lit. proizv. no.1:21-22 Ja '66.  
(MIRA 19:1)

s/

BOOK EXPLOITATION

AM4008927

Stepanov, A. A.; Popov, V. N.

Chemical warfare weapons and principles of anti-chemical warfare defense (Khimicheskoye oruzhiye i osnovy\* protivokhimicheskoy zashchity\*), Moscow, Voenizdat, 1962, 123 p. illus., biblio. Errata slip inserted. 23,000 copies printed.

TOPIC TAGS: civil defense, chemical warfare, chemical warfare defense, lewisite, CLCN, phosgene, diphosgene, CO, adamsite, chloropicrin, chloroacetophenone, trichlortriethylamine, mustard gas, HCN

PURPOSE AND COVERAGE: The reader will find in this book the necessary information on the use of chemical warfare in the past and the state of its development at the present time. He will also obtain answers to his questions about how to protect himself from chemical warfare. The book undoubtedly is of interest not only for the serviceman, but also for each citizen of our Motherland, especially for members of DOSAAF. The sections of the book on the characteristics of poisons and methods of using them are written from the views of foreign armies.

TABLE OF CONTENTS [abridged]:

Card 1/2

AM4008927

Introduction - - 3  
Brief historical review of the use of chemical warfare in World War I - - 7  
State of chemical warfare at the beginning of World War II and the  
direction of its development - - 15  
Characteristics of modern poisons - - 25  
Methods of using poisonous substances - - 58  
Fundamentals of anti-chemical warfare - - 67  
Bibliography - - 125

SUB CODE: BC

SUBMITTED: 31 Jan 62

NR REF SOV: 018

OTHER: 002

DATE ACQ: 24 Feb 64

Card 2/2

STEPANOV, A. A.

USSR/ Geology

Card 1/1

Pub. 86 - 32/42

Authors : Nesterenko, L. P., Inosova, K. I., and Stepanov, A. A. (Donbass)

Title : Carbonized wood in mineral salt

Periodical : Priroda 45/1, page 117, Jan 56

Abstract : The finding of a piece of carbonized wood in a strata of rock salt in salt mine No. 2 in the Donbass region is taken as an indication of the existence of dry land with heavy vegetation in the vicinity of the marine areas which produced the salt. Illustration.

Institution : .....

Submitted : .....

STEPANOV, A.A.

Lakes of the Amur Valley. Amur. stor. no. 1:99-114, '59.  
(II. 14:2)

1. Ozernaya ekspeditsiya Primorenskogo filiala Geograficheskogo  
obshchestva SSSR.  
(Amur Valley--Lakes)

STEPANOV, A. A.

Order of best approximations of continuous functions of two  
variables. Uch. zap. Volg. gos. ped. inst. no.11:212-239  
'59. (MIRA 16:1)

(Functions, Continuous)  
(Approximate computation)

STEPANOV, A.A., dotsent, kand.veterinarnykh nauk

[Elements of symptomatology and the clinical evaluation of  
laboratory analyses in epizootology] Elementy semiotiki i klini-  
cheskaia otsenka laboratornykh analizov v epizootologii. Moskva,  
Gos.izd-vo sel'khoz.lit-ry, 1958. 128 p. (MIRA 12:10)  
(Veterinary medicine--Diagnosis) (Semiology)



STEPANOV, Aleksandr Arsen'yevich, dots., kand. vet. nauk; YARNYKH, A.M.,  
red. ZUBILINA, Z.P., tekhn. red.

[Principles of semiology and clinical evaluation of laboratory  
analyses in epizootology] Elementy semiotiki i klinicheskaya otsenka  
laboratornykh analizov v epizootologii. Moskva, Gos. izd-vo sel'khoz.  
lit-ry, 1958. 143 p. (MIRA 11:10)  
(Veterinary medicine--Diagnosis)

STEPANOV, A. B.

USSR/Physics  
Crystallography

Aug 48

PA 9/49T94  
"The Phenomena of Artificial Slip Formation. II. The Sources of Artificial Slips," A. V. Stepanov, Leningrad Phys-Tech Inst, Acad Sci USSR, 9 pp

"Zhur Krasper i Teoret Fiz" Vol XVIII, No 8

Gives description of picture, studied under polarized light, which is caused by local disintegration, due to action of concentrated forces on surface of a rock salt crystal which is oriented regularly. Shows that local disintegrations of this type are source of slip. Establishes conformity of nature of

9/49T94

USSR/Physics (Contd)

Aug 48

disintegration field and further develops theory of elasticity for an elastic anisotropic body. Discusses conditions and mechanism of formation of sources of slips.

9/49T94

PALISHKIN, D.A.; IVANOV, V.I.; MAKARENKO, L.N.; GALAOV, K.K.;  
TROSHCHIN, S.I.; KP'ISYUK, V.I.; STEPANOV, A.D.; SAZONOVA,  
M.I.; RUZNETSOVA, M.P.; PISARENKO, G.N.; LOBKOV, M., red.

[Mechanization in animal husbandry] Mekhanizatsiia v zhi-  
votnovodstve. Stavropol', Stavropol'skoe knizhnoe izd-vo,  
1963. 287 p. (MIRA 17:8)

STEPANOV, A.D. (Tomsk)

Determination of the concept "normal condition" in medicine.  
Vest. AMN SSSR 21 no.1:29-34 '66. (MIRA 19:1)

STEPANOV, A. D.

Teplovozy i avtomotrisy s elektricheskoi peredachei. (Redaktor L. M. Trakhtman) Moskva, gosenergoizdat, 1945. 54 p. illus.

(Diesel locomotives and rail cars with electric transmission.)

DLC: TJ619.S8

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

STEPANOV, A.D., dotsent, kandidat tekhnicheskikh nauk.

Electrical equipment of new mainline Diesel locomotives. Vest.elektroprom.  
18 no.4:5-10 '47. (MLRA 6:12)

1. Moskovskiy energeticheskiy institut im. V.M.Molotova.  
(Diesel locomotives)

STEPANOV, Docent A. D.

"Mbr., Moscow Energetics Inst. im. V. M. Molotov, -c1949-. Cand. Technical Sci. "Stability of Automatic Regulation in Diesel-Electric Passenger Transport," Elektrichestvo, No. 6, 1949. Docent.

SHLJIKIN, K. A. (Prof.); GUREVIYA, A. N.; STEPANOV, A. D.; PIATONOV, E. V.  
STEPANOV, A. D.

Sovetskie Teplovocy (Soviet Diesel Locomotives), 290 p., Moscow, 1951.



STEPANOV, P.D.

BARANOV, A.F., redaktor; RUDOY, E.F., redaktor; SOLOGUBOV, V.N., kandidat  
 tekhnicheskikh nauk, otvetstvennyy redaktor toma; ALBEGOV, N.A.,  
 kandidat tekhnicheskikh nauk; VASIL'YEV, B.K., inzhener; VERSHINSKIY,  
 S.V., kandidat tekhnicheskikh nauk; VINOGRADOV, G.P., kandidat tekhnicheskikh nauk; VINOBUROV, M.V., professor, doktor tekhnicheskikh nauk; GOLOVANOV, V.G., kandidat tekhnicheskikh nauk; GORDIYEV, A.S., dotsent, kandidat tekhnicheskikh nauk; GURSKIY, P.A., dotsent, kandidat tekhnicheskikh nauk; GUREVICH, A.N., kandidat tekhnicheskikh nauk; DOMEROVSKIY, A.B., dotsent; YEGORCHENKO, V.F., professor, doktor tekhnicheskikh nauk; IVANOV, V.N., professor, doktor tekhnicheskikh nauk; KARVATSKIY, B.L., professor, doktor tekhnicheskikh nauk; KOROLEV, K.P., professor, doktor tekhnicheskikh nauk; MUCHKIN, I.N., kandidat tekhnicheskikh nauk; POPOV, G.V., inzhener; PROSKURNEV, P.G., inzhener; SAJON-TSEV, K.A., inzhener; SEVICHASTNOV, I.F., dotsent, kandidat tekhnicheskikh nauk; SLOMYANSKIY, A.V., dotsent, kandidat tekhnicheskikh nauk; STEPANOV, A.D., dotsent, kandidat tekhnicheskikh nauk; SYROMYATNIKOV, S.P., akademik [deceased]; TERNOVSKIY, V.A., dotsent; kandidat tekhnicheskikh nauk; TRUBETSKOY, V.A., kandidat tekhnicheskikh nauk, KHOKHLOV, N.F., kandidat tekhnicheskikh nauk; SHARONIN, V.S., kandidat tekhnicheskikh nauk; SHLYKOV, Yu.P., dotsent, kandidat tekhnicheskikh nauk; YEVTUSHENKO, A.M., kandidat tekhnicheskikh nauk, retsenzent; IVANOV, V.N., professor, doktor tekhnicheskikh nauk, retsenzent; PANOV, N.I., dotsent, kandidat tekhnicheskikh nauk, retsenzent; SLOMYANSKIY, A.V., dotsent, kandidat tekhnicheskikh nauk, retsenzent; UTYANSKIY, L.I., inzhener, retsenzent; NETYKSA, V.M., professor, doktor tekhnicheskikh nauk, retsenzent;

(Continued on next card)

BARANOV, A.F., -- (Continued) Card 2.

TOPORNIN, G.S., inzhener, retsenzent; DOMBROVSKIY, A.B., dotsent; retsenzent; POYDO, A.A., kandidat tekhnicheskikh nauk, retsenzent; YAKOBSON, P.Ye., laureat Stalinskoy premii; dotsent; kandidat tekhnicheskikh nauk, retsenzent; POPOV, A.A., professor, doktor tekhnicheskikh nauk, retsenzent; PROSKURNEV, P.G., inzhener, retsenzent; SAFONTSEV, K.A., inzhener, retsenzent; SERAFIMOVICH, V.S., kandidat tekhnicheskikh nauk; retsenzent; TRAVIN, P.I., inzhener, retsenzent; FOKIN, K.F., kandidat tekhnicheskikh nauk, retsenzent; SHCHERBAKOV, V.P., inzhener, retsenzent; SHADUR, L.A., dotsent; kandidat tekhnicheskikh nauk, retsenzent; TIKHONOV, P.S., inzhener, retsenzent; TKACHENKO, F.D., inzhener; retsenzent; BABICHKOV, A.M., professor, doktor tekhnicheskikh nauk, retsenzent; KOROSTYLEV, A.I., inzhener, retsenzent; LEVITSKIY, V.S., dotsent; kandidat tekhnicheskikh nauk, retsenzent; KLYKOV, A.F., inzhener, retsenzent; SOLOGUBOV, V.N., redaktor; SHISHKIN, K.A., redaktor; SLOMYANSKIY, A.V., redaktor; SALENKO, S.V., redaktor; YUDZON, D.M. tekhnicheskii redaktor.

[Technical reference book for railroad men] Tekhnicheskii spravochnik zheleznodorozhnika. Redaktsionnaya kollegiya: A. F. Baranov, i dr. Glav. redaktor. E. F. Rudoi. Moskva, Gos. transp. zhel-dor. izd-vo. Vol. 6 [Rolling stock] Podvizhnoi sostav. 1952. 955 p. (MLRA 8:9) (Railroads--Rolling-stock)

STERNY, A. B.

Teploelektricheskiy dvigatel' transportnogo mashiny [Thermal electric drive in transport machines]. Moskva, Mashiz, 1953. 276 p.

SO: Monthly list of Russian Accessions, Vol. 6 No 10 January 1954

STEPANOV, A.D., dotsent, kandidat tekhnicheskikh nauk.

Reviewing the scientific-technical terminology. Elektrichestvo no.12:74-75  
D '53. (MIRA 6:11)

1. Moskovskiy energeticheskiy institut im. Molotova.  
(Electric engineering--Terminology)

STEPANOV, A.D.

SHISHKIN, K.A., professor; GUREVICH, A.N., kandidat tekhnicheskikh nauk;  
STEPANOV, A.D., kandidat tekhnicheskikh nauk; PLATONOV, Ye.V.,  
inzhener; YAKOBSON, P.V., kandidat tekhnicheskikh nauk, dotsent,  
laureat Stalinskoy premii, retsenzent; MATVEYEVA, Ye.N., tekhnicheskiy redaktor; GNEZDILOV, V.B., redaktor

[Soviet diesel locomotives] Sovetskie teplovozy. 2-e izd. ispr. i dop. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. (MLRA 7:9)  
lit-ry, 1954. 367 p.  
(Diesel locomotives)

STEPANOV, A.D.

112-2-3504

Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957,  
Nr 2, p.144 (USSR)

AUTHOR: Stepanov, A.D.

TITLE: New Systems of Automatic Control of the Diesel-Locomotive  
Generator (Novyye skhemy avtomaticheskogo regulirovaniya  
dizel'-generatora teplovozov)

PERIODICAL: In Sbornik: Materialy nauch. -tekhn. soveshchaniya po  
tyagovomu elektrooborudovaniyu. Noyabr' 1953, Riga, 1955  
pp.83-87

ABSTRACT: For optimum utilization of engine and generator power in  
Diesel locomotives, should not only ~~should generator excitation~~  
change automatically as a function of generator current,  
but at the same time as a function of Diesel operating  
conditions. Given these requirements, automatic control

Card 1/3

112-2-3504

New Systems of Automatic Control of the Diesel-Locomotive (Cont.)

can be divided into three groups: a) the utilization of a general load regulator to reduce fuel feed at low loads, and to reduce generator excitation at maximal load (used on Diesel locomotives in the USA); b) using cascade connected Diesel and generator controllers (the regulating organ of the Diesel controller is the measuring organ of the generator controller); c) using independent Diesel and generator regulators (used on the ТЭ-3 experimental Diesel locomotive). The author proposes an amplidyne-type control system. To the exciter or to the pilot exciter there is added an additional small control winding which is switched in by the difference of voltages between the Diesel-driven tachometer generator and the auxiliary constant-voltage generator. A variant of this system using a dynamoelectric amplifier with a lateral field as a pilot-exciter has been proposed.

Card 2/3

STEPANOV, A. D.

112-3-5982

Translation from: Referativnyy Zhurnal, Elektrotekhnika, 1957,  
Nr 3, p. 135 (USSR)

AUTHOR: Stepanov, A. D.

TITLE: Electric Supply Circuits for Illumination of Railroad  
Passenger Cars (Skhemy elektricheskikh ustanovok dlya  
setey passazhirskikh vagonov)

PERIODICAL: In Sbornik: Materialy nauch.-tekhn. soveshchaniya po  
tyagovomu elektrooborudovaniyu, November 1953, Riga,  
1955, pp. 102-105

ABSTRACT: The shortcomings of the lighting system in passenger  
cars, especially of the all-metal type, are pointed  
out; the adoption of an improved car lighting system is  
planned for the future. The lighting system will include  
a shunt-excited generator and step-by-step changing of  
network resistance. The new system was developed by the  
Riga Electrical Machinery Plant in collaboration with  
the Moscow Institute of Power Engineering imeni  
V.M. Molotov. [Moscow Institute of Power Engineering  
imeni V. M. Molotova] I.V.I.

Card 1/2



112-3-5982

Electric Supply Circuits for Illumination of Railroad (Cont.)

ASSOCIATION: Moscow Institute of Power Engineering imeni  
V. M. Molotov (Moskovskiy energeticheskiy institut  
im. V. M. Molotova)

Card 2/2

PLATONOV, Ye.V.; STEPANOV, A.D.; DOMANITSKIY, S.M.; POPOV, S.D.; MURZHIN,  
I.I., inzhener, redaktor; KHITROV, P.A., tekhnicheskiy redaktor.

[Results of comparative tests of automatic control circuits for  
diesel locomotives] Rezul'taty sravnitel'nykh ispytaniy skhem  
avtomaticheskogo upravleniya teplovozov. Moskva, Gos. transportnoe  
zhelez-dor. izdve, 1955. 157 p. (Vsesoyuznyi nauchno-issledovatel'skii  
institut zheleznodorozhnogo transporta. Trudy, no. 109) (MLRA 9:2)  
(Diesel locomotives) (Automatic control)

BATALOV, Nikolay Mikhaylovich; TRAKHTMAN, Leonid Mironovich; STEPANOV,  
A.D., kand.tekhn.nauk, retsenzent; BYCHKOVSKIY, A.V., kand.tekhn.  
nauk, red.; TIKHONOV, A.Ya., tekhn.red.

[Handbook on electrical equipment in railroad rolling stock]  
Spravochnik po tiagovomu elektrooborudovaniyu zheleznodorozhnogo  
podvizhnogo sostava. Moskva, Gos.nauchno-tekhn.izd-vo mashino-  
stroit.lit-ry, 1956. 159 p. (MIRA 12:8)  
(Railroads--Electric equipment)

PETROV, Boris Petrovich; STEPANOV, Aleksandr Dmitriyevich; CHERNYY, M.I.,  
redaktor; FRIDKIN, A.M., tekhnicheskiy redaktor

[Operation of electric rolling stock] Upravlenie elektricheskim  
podvizhnym sostavom. Moskva, Gos. energ. izd-vo, 1956. 304 p.  
(Electric railroads) (MLRA 9:12)

*Stepanov, Aleksandr D.*

SHISHKIN, Kirill Aleksandrovich, professor; GUREVICH, Abram Natanovich, kandidat tekhnicheskikh nauk; ~~STEPANOV, Aleksandr Dmitriyevich,~~ kandidat tekhnicheskikh nauk; PLATONOV, Yevgenii Veniaminovich, inzhener; YAKOBSON, P.V., kandidat tekhnicheskikh nauk, retsenzent; GNEZDILOV, V.B., inzhener, redaktor; SOKOLOVA, T.F., tekhnicheskiiy redaktor

[Soviet diesel locomotives] Sovetskie teplovozy. Izd, 3-e, ispr. i dop. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 387 p. (MIRA 9:12)

(Diesel locomotives)

EZRIN, Grigoriy Semenovich, inzhener; BUDNITSKIY, Abram Arkad'yevich,  
inzhener; STEPANOV, A.D., kandidat tekhnicheskikh nauk, re-  
daktor; BOBROVA, Ye.N., tekhnicheskiiy redaktor.

[Electric system of the TE3 locomotive] Elektricheskaya skhema  
teplovoza TE3. Moskva, Gos.transp.zhel-dor.izd-vo, 1957. 62 p.  
(MLRA 10:6)

(Diesel locomotives)

DIMITRADZE, Apollon Samsonovich, professor, doktor tekhnicheskikh nauk;  
MOSEVITIN, A.I., doktor tekhnicheskikh nauk, professor, retsenzent;  
STEPANOV, A.D., dotsent, kandidat tekhnicheskikh nauk, retsenzent;  
MELEYEV, A.S., inzhener, redaktor; VOSKRESENSKIY, N.N., redaktor;  
SALAZKOV, N.P., tekhnicheskii redaktor; SHIKIN, S.T., tekhnicheskii  
redaktor

[Theory of electric transmission in locomotives; principles of a  
general theory of electric transmission of constant power] Teoriia  
elektroperedachi lokomotivov; osnovy obshchei teorii raboty elektri-  
cheskoi peredachi postoiannoi moshchnosti. Moskva, Gos.nauchno-  
tekhn.izd-vo mashinostroit.lit-ry, 1957. 79 p. (MLRA 10:9)  
(Locomotives)

STEPANOV, Aleksandr Dmitriyevich; DIMITRADZE, A.S., doktro tekhn.nauk, prof.,  
retsenzent; KAMENETSKIY, B.G., kand.tokhn.nauk, red.; EL'KIND, V.D.,  
tekhn.red.

[Ways of increasing transmission efficiency in diesel and gas-  
turbine locomotives] Puti povysheniia effektivnosti peredachi  
teplovozov i gazoturgovozov. Moskva, Gos. nauchno-tekhn.  
izd-vo mashinostroit. lit-ry, 1957. 127 p. (MIRA 11:5)  
(Locomotives)



*STEPANOV A.D.*

SHISHKIN, Kirill Aleksandrovich, prof.; GUREVICH, Abram Netanovich, kand.  
tekhn.nauk; STEPANOV, Aleksandr Dmitriyevich, kand.tekhn.nauk;  
VASIL'YEV, Vladimir Andreyevich, inzh.; SAZONOV, A.G., inzh., red.;  
KAMENETSKIY, B.G., kand.tekhn.nauk, red.; KHITROV, P.A., tekhn.red.

[TE 3 diesel locomotive] Teplovoz TE 3. Moskva, Gos. transp.zhel.  
dor. izd-vo, 1957. 376 p. (MIRA 11:4)  
(Diesel locomotives)

STEPANOV, Aleksandr Dmitriyevich; EZRIN, Grigoriy Semenovich; VERKHOGLYAD, Vasilii Yefremovich; KUZNETSOV, Boris Georgiyevich; TRAKHTMAN, L.M., kand.tekhn.nauk, retsenzent; KAMENETSKIY, B.G., kand.tekhn.nauk, red.; NIKITIN, A.G., red.izd-va; MODEL', B.I., tekhn.red.

[Electric drive of diesel locomotives] Elektricheskaya peredacha teplovozov. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1959. 292 p. (MIRA 12:8)

(Diesel locomotives)

(Electric driving)

SHISHKIN, K.A., prof. [deceased]; DOMBROVSKIY, A.B., dotsent;  
TRET'YAKOV, A.P., dotsent; SOLOMENNIKOV, V.A., dotsent;  
BOGOYAVLENSKIY, V.N., dotsent; STEPANOV, A.D., doktor tekhn.  
nauk; IVAKOV, V.N., prof.; KUZNETSOV, N.V., kand.tekhn.nauk;  
SLITIKOV, P.A., prof., doktor tekhn.nauk, retsenzent; GAKKEL',  
Ye.Ya., dotsent, doktor tekhn.nauk, retsenzent; PANSKIY, V.M.,  
dotsent, kand.tekhn.nauk, retsenzent; LUGININ, N.G., kand.tekhn.  
nauk, red.; KHITROV, P.A., tekhn.red.

[Diesel locomotives] Teplovozy. Moskva, Vses.izdatel'sko-poligr.  
ob"edinenie M-va putei soobshcheniia, 1960. 340 p.

(MIRA 14:1)

1. Leningradskiy ordena Lenina institut inzhenerov zheleznodorozhno-  
go transporta im. akademika V.N.Obratsova (for Slitikov, Gakkel',  
Panskiy).

(Diesel locomotives)

STEPANOV, A.D., doktor tekhn.nauk; SHIKHIN, A.Ya., inzh.

Regulating the generators of diesel locomotives by means of  
magnetic amplifiers. Vest. elektroprom. 31 no.5:44-47 My '60.  
(MIRA 13:8)

(Diesel locomotives)  
(Magnetic amplifiers)  
(Electric generators)

STEPANOV, A.D., doktor tekhn.nauk

Trends in the development of electric transmissions for locomotives. Vest.mash. 40 no.3:20-28 Mr '60.  
(MIRA 13:6)

(Diesel locomotives--Electric driving)

BATALOV, Nikolay Mikhaylovich; PETROV, Boris Petrovich; BARSKIY, M.R.,  
kand. tekhn.nauk, retsenzent; KRICHKO, A.I., inzh., retsen-  
zent; STEPANOV, A.D., doktor tekhn. nauk, retsenzent;  
SIDOROV, N.I., inzh., red.; LARIONOV, G.Ye., tekhn. red.

[Electric traction machinery] Tiagovye elektricheskie apparaty.  
Moskva, Gos. energ. izd-vo, 1961. 207 p. (MIRA 15:3)  
(Electric machinery) (Electric railroads)

PLATONOV, Ye.V., kand.tekhn.nauk; NIKUSHIN, A.I., inzh.; KAMENETSKIY,  
B.G., kand.tekhn.nauk.; FILIPPOV, L.K., inzh.; ~~STEPANOV, A.D.,~~  
doktor tekhn.nauk, retsenzent; PETUSHKOVA, I.K., inzh., red.;  
BOBROVA, Ye.N., tekhn.red.

[Results of the studies of electric power transmission systems  
on diesel locomotives] Rezul'taty issledovaniia elektricheskikh  
peredach teplovozov. Moskva, Vses.izd-vo poligr. ob"deinenie  
M-va putei soob., 1961. 120 p. (Moscow. Vsesoiyuznyi nauchno-  
issledovatel'skii institut zheleznodorozhnogo transporta. Trudy,  
no.213) (MIRA 14:9)

(Diesel locomotives)

SHISHKIN, Kirill Aleksandrovich, prof. [deceased]; GUREVICH, Abram Natano-  
vich, kand. tekhn. nauk; STEPANOV, Aleksandr Dmitriyevich, doktor  
tekhn. nauk; VASIL'YEV, Vladimir Andreyevich, inzh.; SURZHIN, Sergey  
Nikolayevich, inzh.; KAMENETSKIY, B.G., kand. tekhn. nauk, retsenzent;  
MOISEYEV, G.A., inzh., retsenzent; TURIK, N.A., inzh., retsenzent;  
SAZONOV, A.G., inzh., red.; KHUTORYANSKIY, N.M., kand. tekhn. nauk,  
red.; KHITROV, P.A., tekhn. red.

[TE3 diesel locomotive] Teplovóz TE3. Izd.2., perer. Moskva, Vses.  
izdatel'sko-poligr. ob"edinenie M-va putei soobshchenia, 1961.  
371 p. (MIRA 14:6)

(Diesel locomotives)



SHISHKIN, Kirill Aleksandrovich, zasl. deyatel' nauki i tekhniki, prof.  
[deceased]; GUREVICH, Abram Natanovich, kand. tekhn. nauk; ~~STEPA~~  
NOV, Aleksandr Dmitriyevich, kand. tekhn. nauk; PLATONOV, Yevgeniy  
Veniaminovich, kand. tekhn. nauk; BLIZNYANSKIY, Aleksandr Semenovich,  
inzh.; PIRIN, I.V., kand. tekhn. nauk, retsenzent; BASENTSYAN, A.A.,  
inzh.; red. izd-va; MODEL', B.I., tekhn. red.

[Soviet diesel locomotives] Sovetskie teplovozy. Izd. 4., perer. i  
dop. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry  
Mashgiz, 1961. 480 p. (MIRA 14:9)  
(Diesel locomotives)

PETROV, Boris Petrovich; STEPANOV, Aleksandr Dmitriyevich; MINOV, D.K., prof., retsenzent; DAVYDOV, M.A., dots., retsenzent; KOSAREV, G.V., dots., retsenzent; TRAKHTMAN, L.M., dots., retsenzent; SIDOROV, N.I., red.; LARIONOV, G.Ye., tekhn. red.

[Electrical equipment and automation of electric rolling stock] Elektricheskoe oborudovanie i avtomatizatsiia elektricheskogo podvizhnogo sostava. Izd.2., perer. i dop. Moskva, Gosenergoizdat, 1963. 303 p. (MIRA 17:3)

STEPANOV, A.D.; KAMENETSKIY, B.G., kand. tekhn. nauk, retsenzent;  
GALANOVA, M.S., inzh., red.

[Automatic power control for diesel and gas-turbine  
locomotives] Avtomaticheskoe regulirovanie moshchnosti v  
teplovozhakh i gazoturbovozhakh. Moskva, Izd-vo "Mashino-  
stroenie," 1964. 298 p. (MIRA 17:7)

PROGACHY I.M., DIFKOV, I.B., doktor tekhn. nauk, prof.,  
retsenzent; AGKOV, V.M., inzh., red.

[Electric transmissions for machines with motorized  
wheels] Elektricheskie transmisii mashin s motor-  
kolesami. Moskva, Mashinostroenie, 1965. 133 p.  
(MIRA 1815)

SHISHKIN, Kirill Aleksandrovich, prof.; GUREVICH, Abram  
Natanovich, kand. tekhn. nauk; STEPANOV, Aleksandr  
Dmitriyevich, doktor tekhn. nauk; VASIL'YEV,  
Vladimir Andreyevich, kand. tekhn. nauk; SURZHIN,  
Sergey Nikolayevich, inzh.; KISELEVA, N.P., red.

["TE3" diesel locomotive] Teplovoz TE3. Izd.3., perer.  
[By] K.A.Shishkin i dr. Moskva, Transport, 1965. 411 p.  
(MIRA 18:7)

*S. STEPANOV, M. I.*

Name: STEPANOV, A. F.

Dissertation: Study of the surface structure of a liquid through the reflection of light

Degree: Cand Phys-Math Sci

*Defended at*  
~~Affiliation~~: Min Higher Education USSR, Uzbek State U imeni Alisher Navoi

*Publication*  
~~Defense Date, Place~~: 1956, Samarkand

Source: Knizhnaya Letopis', No 48, 1956

STEPANOV, A.F., Cand Phys Math Sci -- (diss) "Study of the structure of the surface of a liquid by the method of light reflection." Tashkent, 1957, 8 pp (Min of Higher Education USSR. Central Asian State Univ im V.I. Lenin)  
100 copies (KL, 27-58, 103)

STL PIRACY, P. 1.

ПРИКОТ'КО, А.Ф.

24(7) | 3 PHASE I BOOK EXPLOITATION SOV/1365

L'vov. Universytet

Materialy X Vsesoyuznogo sovreshchaniya po spektroskopii. t. 1: Molekulyarnaya spektroskopiya (Papers of the 10th All-Union Conference on Spectroscopy. Vol. 1: Molecular Spectroscopy) [L'vov] Izd-vo L'vovskogo univ-ta, 1957. 499 p. 4,000 copies printed. (Series: Itsi Fizichnyy zbirnyk, vyp. 3/8/)

Additional Sponsoring Agency: Akademiya nauk SSSR. Komissiya po spektroskopii. Ed.: Jazer, S.L.; Tech. Ed.: Saranyuk, T.V.; Editorial Board: Landsberg, G.S., Academician (Resp. Ed., Deceased), Neporent, B.S., Doctor of Physical and Mathematical Sciences, Fabelinskiy, I.L., Doctor of Physical and Mathematical Sciences, Fabrikant, V.A., Doctor of Physical and Mathematical Sciences, Kornitovskiy, V.G., Candidate of Technical Sciences, Rayskiy, S.M., Candidate of Physical and Mathematical Sciences, Klinovskiy, L.K., Candidate of Physical and Mathematical Sciences, Miliyanchuk, V.S., Candidate of Physical and Mathematical Sciences, and Glauberman, A. Ye., Candidate of Physical and Mathematical Sciences.

Card 1/30

Fabelinskiy, I.L. Rayleigh-line Wing and Relaxation Processes in Liquids	117
Atakhodzhayev, A.K., M.P. Vuks, and V.L. Litvinov. Two Methods for the Determination of Molecular Orientation-relaxation Time	118
Malyshov, V.I. Study of the Transmission Spectrum of a Cloud in the Infrared Range	121
Kisel', V.A., and A.F. Stepanov. Reflection of Light From the Surface of a Liquid and Its Connection With Crystallization	126
Fekar, S.I. Inapplicability of the Fermi-Dirac Distribution to Electrons of Impurity Centers in Semiconductors and Crystal Phosphors	129
Mashkevich, V.S. Optical Properties of Diamond-type Crystals	132

Card 9/30



*Central Asian Univ. V.I. Lenin*

KIZEL', V.A.; STEPANOV, A.F.

Light reflection technique for studying the surface structure of  
liquid. Trudy SAGU no.91:43-54 '57. (MIRA 11:2)  
(Surface tension) (Reflection (Optics))

STEPANOV, A.G.

MEDVEDYUK, N.I.; ~~STEPANOV, A.G.~~; TIKHONOV, V.I., nauchnyy redaktor;  
SHUR, D.S., redaktor; KUZ'MIN, D.G., tekhnicheskiy redaktor

[Copper and tinsmithing] Mednitkie i zhestianitskie raboty.  
Moskva, Vses. uchebno-pedagog. izd-vo Trudrezervizdat, 1956.  
271 p. (MLRA 10:4)  
(Coppersmithing) (Tinsmithing)

Stephany H. G.

Activity of the Scientific-Technical Society of  
 the Shipbuilding Industry (Papers Presented at the  
 Tenth Scientific-Technical Conference on Ship Theory  
 and Hydrodynamics, No 4, 1960)

G. A. Ryzov, Cand Tech Sci  
 I. I. Malozub, Dr. Tech Sci

Papers presented:

- E. K. Podgornykh, Dr. Tech Sci, "The Influence of Proude Number on the Radius of Operation of a Ship in the Case of Large Shifts of Rudder Position."
- A. G. Shepakov, Engineer, "Some Results of Statistical Study of Complexities and the Rolling of the Expeditionary Ship 'Mikhail Lomonosov'."
- E. K. Podgornykh, Dr. Tech Sci and L. M. Buzina, Cand Tech Sci, "Approximate Determination of Nonstationary Hydrodynamic Characteristics of Bodies of Small Elongation (Wings, Bodies of Rotation) at Large Angles of Attack."
- V. Ya. Stevortov, Engineer, "Calculation of Ship Drift During Steady-State Gyration Taking into Account the Influence on Drift of Moment Magnitude of the Form of the Distancer Part of the Hull and the Angle of Inclination."
- B. A. Rudnyanskiy, Cand Tech Sci, "Structures of Flow Around Oscillating Wings of Low Elongation."
- Yu. V. Kuznetsov, Cand Tech Sci, "Longitudinal Stability of a Ship on Hydrofoils."
- V. G. Sidorov, "General Theory of Wave Resistance of a Ship on Calm Water."

STEPANOV, A.G.

Introducing a high-speed hydraulic brake drive for mine hoists.  
Bul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn.  
inform. 17 no.12:17-19 D '64. (MIRA 18:3)

MARASANOV, Yu.P., inzh.; STEPANOV, A.G., inzh.

Theory of an inertless spring-type hydraulic brake drive of a mine hoisting machine. Izv. vys. ucheb. zav.; gor. zhur. 7 no.11: 111-117 '64. (MIRA 18:3)

1. Sverdlovskiy gornyy institut imeni Vakhrusheva (for Marsanov).
2. Permskiy politekhnicheskii institut (for Stepanov). Rekomendovana kafedroy avtomatizatsii proizvodstvennykh protsessov Sverdlovskogo gornogo instituta.

STEPANOV, A.I.

Certain features of the formation of oil and gas fields in  
the eastern section of the Balkhan region of Turkmenistan.  
Trudy VNII no.38:188-200 '63. (MIRA 17:9)

STEPANOV, A.I.; KUMININ, I.I.

Some problems in the study of the geological nonuniformity of producing horizons and its effect on the completeness of the development of the pools. Trudy VNII no.45:107-119 '65.

Some regularities in the variation of the basic parameters of reservoir rocks according to area based on a study of horizon 5 in the Shkapovo oil field. Ibid.:131-143

(MESA 18:6)

STEPANOV, A.I., fel'dsher

Organization of health stations among farming and tractor groups.  
Fel'd. i akush. no.11:38 N '54. (MIRA 7:12)

\*1. Gagarinskiy meditsinskiy punkt.

(PUBLIC HEALTH

in Russia, health stations among tractor drivers &  
farm workers)



*STEPANOV, A.I.*

STEPANOV, A.I., fel'dsher

Training of rural personnel for spring field work. Fel'd. i akush.  
no.1:51-52 Ja '55. (MLRA 8:3)

1. Gagarinskiy meditsinskiy punkt Orlovskoy oblasti.  
(PUBLIC HEALTH,  
in Russia, organiz. of rural med. centers)  
(RURAL CONDITIONS,  
med. centers in Russia)

STEPANOV, A. I., kandidat meditsinskikh nauk.

Isolated gastric rupture following concealed abdominal injury.  
Khirurgia no.4:85-86 Ap '55. (MLRA 8:9)

1. Klinika gospiatal'noy khirurgii Tashkentskogo meditsinskogo  
instituta.  
(STOMACH--WOUNDS AND INJURIES)

KOZLOVSKIY, L.I.; TUSHNYAKOV, M.D.; STEPANOV, A.I.; KORNEYEV, N.A.;  
SMETANSKIY, F.V.; SHEPET'YEV, A.I., red.; SPIVAK, S.V.,  
nauchnyy red.; LOGINOVA, R.A., red.; KOGAN, F.L., tekhn.  
red.

[Hoisting, conveying, and special machinery for building and  
repair work] Pod'emno-transportnye i spetsial'nye mashiny dlia  
stroitel'nykh i montazhnykh rabot; katalog spravochnik. Pod  
red. A.I. Shepet'eva. Moskva, No.2. [Crawler cranes] Krany na  
gusenichnom khodu. 1968. 226 p. (MIRA 16:8)

1. Tsentral'nyy institut nauchno-tekhnicheskoy informatsii po  
avtomatizatsii i mashinostroyeniyu.  
(Cranes, derricks, etc.)

STEPANOV, A.I., kand.med.nauk

Phasic conditions in patients with late consequences of closed  
craniocerebral trauma. Trudy LITIN 2:187-196 '59.

(MIRA 13:7)

(SKULL--WOUNDS AND INJURIES)  
(NERVOUS SYSTEM--DISEASES)

STEPANOV A.I.

An analysis of the functional state of the human brain using the  
rule of force. Trudy LIETIN 7:97-112 '62. (MIRA 15:8)  
(ELECTROENCEPHALOGRAPHY) (BRAIN)

AUTHOR: Stepanov, A.I. (Moscow) 47-6-8/37  
TITLE: Questions of Meteorology in the Physics Course at the Secondary School (Voprosy meteorologii v kurse fiziki sredney shkoly)  
PERIODICAL: Fizika v Shkole, 1957, # 6, pp 40-47 (USSR)

ABSTRACT: Notwithstanding the evident benefit of meteorological information to the population, laymen lack even the most elementary knowledge in meteorology. This is due to insufficient attention on the part of popular-scientific literature and the way meteorology is taught in secondary schools.

Though the school curriculum does not provide for meteorology as an independent subject, the course in physics contains a considerable number of questions concerning meteorology. However, the material is scattered and is being taught without continuity, and thus does not yield noticeable results. Therefore, a more thorough study of meteorological questions in conjunction with physics will enable the students to get a better conception of meteorology.

The author recommends the study of several meteorological questions when teaching physics and elaborates instruction methods. In conclusion he recommends the "Elementary Textbook in Physics" edited by the Academician Landsberg.

Card 1/2

47-6-8/37

Questions of Meteorology in the Physics Course at the Secondary School

There are five Russian references.

AVAILABLE: Library of Congress

Card 2/2

GURVICH, Ye.A.; STEPANOV, A.I.

Thermostat combining electrical and kerosene heating. Lab.  
delo 6 no.2:55-57 Mr-Ap '60. (MIRA 13:6)  
(BACTERIOLOGICAL LABORATORIES--EQUIPMENT AND SUPPLIES)



STEPANOV, A.I.; BREYEV, V.A.

Establishing regularities in the distribution of oil sands.  
Trudy VNII no.34:44-62 '62. (MIRA 15:7)  
(Dmitriyevka region (Kuybyshev Province)--Oil sands)  
(Kum-Dag region--Oil sands)

ADAMOV, A.K., kapitan meditsinskoy sluzhby; STEPANOV, A.I., kapitan meditsinskoy sluzhby

Pneumatic holder for pasteurizing pipettes. Voen.-med. zhur.  
no.11:81 N '61. (MIRA 15:6)  
(BACTERIOLOGICAL LABORATORIES—EQUIPMENT AND SUPPLIES)

STEPANOV, A. I.

"Experiment on the use of a Dermogalvanic Reflex for the Investigation of the Higher Nervous Activity of Epileptics." Cand Med Sci, Leningrad State Pediatric Medical Inst, Leningrad, 1953. (RZhBiol, No 8, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)  
SO: Sum. No. 556, 24 Jun 55

ASAFOV, B.D.; ZIMKINA, A.M.; STEPANOV, A.I.

Characteristics of orientation reaction to sound stimuli in  
the blind. *Fiziol.zhur.* 41 no.3:314-320 My-Je '55. (MLRA 8:8)

1. Otdel fiziologii Instituta ekspertizy trudosposobnosti i  
trudoustroystva invalidov, Leningrad.

(ORIENTATION,

in blind, to sound stimuli)

(BLINDNESS,

orientation reaction in blind to sound stimuli)

STEPANOV, A.I., dotsent, kand. ekonomicheskikh nauk

Increase of farm production on the basis of intensive farm management; as exemplified by the farms of the Krasnokutsk agricultural Administration in Saratov Province. Izv. TSKHA no.4:226-235 '64.

(MIRA 17:11)

1. Kafedra planirovaniya sel'skogo khozyaystva Sel'skokhozyaystvennoy akademii imeni Timiryazeva.

VAYSBURD, M.S.; KOFMAN, V.B.; MURAKHVER, N.P.; STEPANOV, A.I.

About a book on the design and calculation of refrigerating machines  
and apparatus. Khol. tekhn. 38 no. 1:61-62 Ja-F '61.

(MIRA 14:4)

(Refrigeration and refrigerating machinery)

STEPANOV, A. I., Cand Geol-Min Sci -- (diss) "Geological structure, petroleum gas potential, and prospecting methods and survey in the eastern part of the Pribalkhanskiy region." Moscow, 1960. 16 pp; (Gosplan USSR, Main Administration of Scientific Research and Design Organizations, All-Union Petroleum Gas Scientific Research Inst -- VNII); 150 copies; price not given; (KL, 26-60, 132)

S/100/60/000/009/003/005  
A053/A026

AUTHORS: Krichevskiy, Yu.M.; Stepanov, A.I.; Engineers

TITLE: New Building Crane МКГ-20 (MKG-20)

PERIODICAL: Mekhanizatsiya Stroitel'stva, 1960, No. 9, pp. 16 - 18

TEXT: The Central Designing Bureau of the Administration of Mechanization of Special and Assembling Works of the Ministry of Construction of the RSFSR has designed a new 20-ton caterpillar crane MKG-20, to be used in the industrial building trade. The crane has diesel-electric equipment which feeds motors of individual driving gears of the various mechanisms. Provision is also made for feeding of power from outside sources. Boom equipment provides for three lengths of boom - 12.5, 22.5 and 32.5 m, the basic length permitting to be extended twice by 10 m; an extra 5 meter extension is provided by the jib in the head of the crane. The mechanism of the crane and its electric system permit independent operational movements with speeds of varying combinations. The caterpillar tread and high road clearance ensure roadability and maneuverability on the site. The technical characteristics of the crane MKG-20 with 12.5 boom are given as follows: Maximum load moment - 92 t/m; overhanging length of boom, maximum - 12 m, minimum 3.8 m;

Card 1/4



New Building Crane МКГ-20 (MKG-20)

S/100/60/000/009/003/005  
A053/A026

lifting capacity of the main hook, on an overhanging length of 3.8 - 4.6 m - 20 t, on 12 m length - 4.6 t; lifting capacity of auxiliary hook - 3 t; speed of lift of main hook - 2.9, 6.2 m/min; speed of descent of main hook - 1,4, 7.5 m/min speed of lift and descent of auxiliary hook - 6 - 19 m/min; revolving speed of platform - 0.5 rpm; speed of crane movement: - working speed - 0.65 km/h, road speed - 1.3 km/h; average speed of change of overhanging length of boom - 3.1 m/min total power of installed electric motors 53.2 kw; width of caterpillar chain - 550 mm; specific pressure on ground 1 kg/cm<sup>2</sup>; road clearance - 450 mm; weight of crane 36.5 t. The boom is equipped with an overhanging head. The minimum angle of incline is 5° of the vertical. The pitching motion of the revolving part of crane, a usual feature of cranes with a roller-supported revolving structure, is done away with in the MKG-20 by means of a double-row ball bearing mechanism, which connects without clearance the revolving and the stationary parts of the crane. The crane has separate mechanisms for the principale lift and for the auxiliary lift, a mechanism for changing the overhanging length of boom, a revolving mechanism, and a locomotive mechanism. Most mechanisms employ standard parts and units, used also in other types of cranes. The locomotive mechanism consists of two symmetrical units, each of which has a two-speed electric motor with a shorted rotor; the first speed is intended for the working speed and the second

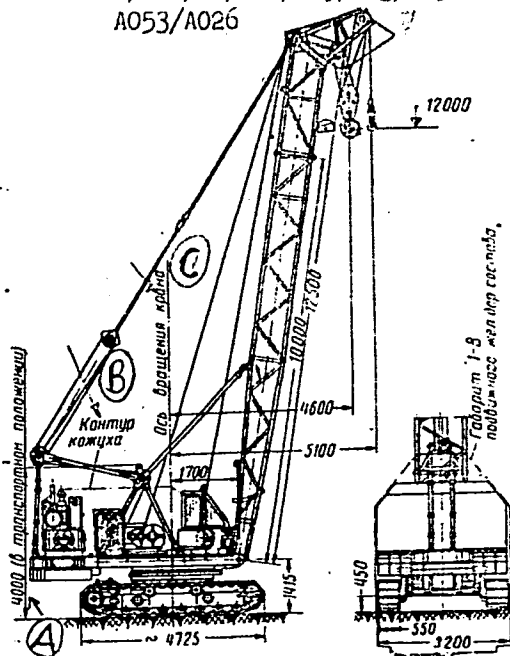
Card 2/4

New Building Crane МКГ-20 (МКГ-20)

S/100/60/000/009/003/005  
A053/A026

for road work. The mechanical part of each of these two units consists of a double-stage cylindrical reducer situated on the inside of the caterpillar and a planetary reducer placed on the outside of it. These reducers are connected with a shaft passing through the hollow hub of the driving wheel of the caterpillar. All control organs are placed inside the cabin. The test models of МКГ-20 produced by the Kuybyshev and the Chebarkul'sk Plants have passed successfully all tests. There are 2 figures.

Figure 1: Crane МКГ-20 with boom 12.5 m long  
A - 4000 (set up for transportation); B - contour of cover; C - revolving axis of crane



Card 3/4

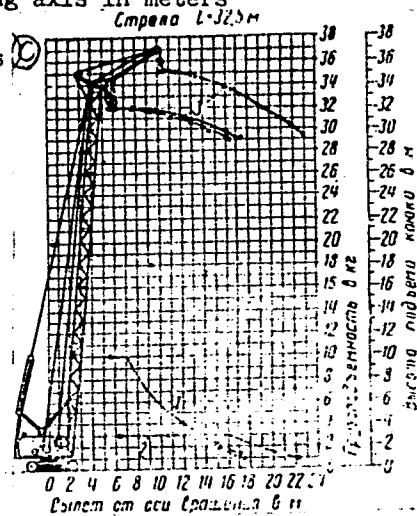
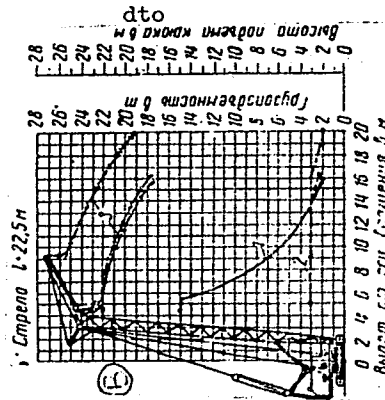
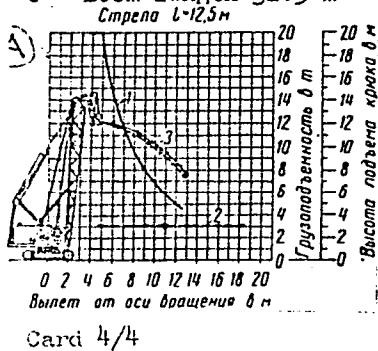
S/100/60/000/009/003/005  
A053/A026

New Building Crane МКГ-20 (МКГ-20)

Figure 2: Graphs of lifting capacity and height of lift of load: 1 - curve of lifting capacity with main hook; 2 - curve of lifting capacity with auxiliary hook; 3 - height of lift of hook

A - Boom length 12.5 m overhanging length from revolving axis in meters  
lifting capacity in t.  
height of lift of hook in meters

B - Boom length 22.5 m  
C - Boom length 32.5 m



VESELOV, A.A., inzh.; KARNEYEV, N.A., inzh.; KOZLOVSKIY, L.I., inzh.;  
STEPANOV, A.I., inzh.; TUSHNYAKOV, M.D., inzh.; SHCHEPET'YEV,  
A.I., inzh.; VDOVENKO, Z.I., red. izd-va; YUDINA, L.A., red.  
izd-va; KASIMOV, D.Ya., tekhn. red.

[Hoisting and conveying equipment for assembly and specialized  
operations] Pod'emno-transportnoe oborudovanie dlia montazhnykh  
i spetsial'nykh rabot. Pod red. A.I.Shchepet'eva. Moskva, Gos-  
stroizdat, 1962. 634 p. (MIRA 16:5)

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

Teeth, Artificial

Teeth, Artificial

Model of light Vankovitch's bar. Stomatologia no. 3, 1954.

9. Monthly List of Russian Accessions, Library of Congress, December 195~~8~~<sup>3</sup>, Uncl.  
2

STEPANOV A.I.

MUKHIN, M.V., prof.; STEPANOV, A.I.

Using a steel frame with pins for fixing prosthesis to a toothless lower jaw. Stomatologiya 37 no.2:59-60 Mr-Ap '58. (MIRA 11:5)

1. Iz kafedry chelyustno-litsevoy khirurgii i stomatologii (nachal'nik-prof. M.V. Mukhin) Voenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.  
(DENTAL PROSTHESIS)

STEPANOV, A.I., kand.ekon.nauk

Ways of increasing the productivity of communal livestock  
raising on collective farms (based on the experience of the  
"Put' Il'icha" Collective Farm in Dmitrov District, Moscow  
Province). Izv. TSKhA no.4:209-222 '58. (MIRA 11:10)  
(Stock and stockbreeding)

STEPANOV, A.I., kand.ekonomicheskikh nauk, dotsent

Economic aspects of cattle breeding and the state of forage  
supply in Novouzensk District, Saratov Province. Izv. TSKHA  
no.3:149-160 '61. (MIRA 14:9)  
(Novouzensk District--Stock and stockbreeding)



STEPANOV, A.I., kand.ekonomicheskikh nauk, dotsent

Basic trends in the development of grain economy on the state  
farms of Orenburg Province. Izv. TSKHA no.5:192-206 '61.  
(MIRA 14:12)

(Orenburg Province—rain)

STEPANOV, Aleksandr Ivanovich; KAZHINSKIY, B.B., retsenzent;  
MULTANOVSKIY, V.V., retsenzent; TSIPULYAVSKIY, L.M.,  
red.; MAKHOVA, N.N., tekhn. red.

[Problems of meteorology in a secondary school physics  
course] Voprosy meteorologii v kurse fiziki srednei shko-  
ly. Moskva, Uchpedgiz, 1963. 127 p. (MIRA 17:3)

L 26460-66

ACC NR: AP6017381

SOURCE CODE: UR/0230/65/000/011/0013/0015

AUTHOR: Gorbovskiy, B. Ye. (Candidate of technical sciences); Lyan, V. V. (Engineer);  
Stepanov, A. I. (Engineer)

ORG: none

TITLE: Experience in submerging pilings in clay bottoms

SOURCE: Transportnoye stroitel'stvo, no. 11, 1965, 13-15

TOPIC TAGS: highway bridge, construction

ABSTRACT: In the construction of the Sarátov highway bridge across the Volga cofferdams 4 and 5 meters in diameter were used to place the main supports through the sand covering the bottom from 1.5 to 18 m thick. Most of the bottom dirt moved was dug up with a 1.5 m<sup>3</sup> bucket, after being loosened by a new design ripper, the RUR-3, produced by Lengiprotransmost and designed for cofferdams up to 3 meters in diameter. In this application, due to the larger size of the cofferdams used, the tool had to be modified to move horizontally to cover the entire area, instead of just vertically as it was designed to do. Experiments with explosive breaking of large rocks at two support locations were very successful. Two of the cofferdams ruptured during operation, the result of residual stresses in wet-welded joints. When the bottom was worked to diameter greater than the cofferdam before setting it down, in some cases sand flowed into the cofferdam as it

12  
B

Card 1/2

UDC: 624.157.21

L 26460-66

ACC NR: AP6017381

was sunk, making work very difficult. Other problems encountered had to do with freezing of the ground at the bottom of the cofferdams in winter, drifting and resultant incorrect placement of pilings and lack of equipment to take care of rock inclusions encountered in the work. About 40 man-days were required for each meter of pile sunk. Orig. art. has: 3 figures. [JPRS]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 001

Card 2/2

PB

STEPANOV, A. I.

"Selection of highly effective penicillin producing strains."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

Inst Atomic Energy im I. V. Kurchatov, Moscow.

STEPANOV, A.I.

Significance of the lithological factor in the distribution  
of oil pools in the Dmitriyevsk field in Kuybyshev Province.  
Nauch.-tekh.sbor.po dob. neft. no. 14:8-12 '61. (MIRA 17:6)

YENINOV, A.I.

Necessity for taking into consideration the special features of the structure of uplifts along the upper horizons during the commercial prospecting of lower horizons. Nauch.-tekh. sbor.pozdob.nefti no. 18:1-9 '62. (MIRA 17:6)

STEPANOV, A.I., Ekst. ekon. nauki, 1964, 1/1, red.

[Belarussian region and its economics] Zarushtivyi raion i  
ego ekonomika. Moskva, Izd-vo "Kolos," 1964. 246 p.  
(MIRA 17:7)



GORBOVSKIY, B.Ye., kand. tekhn. nauk; LYAN, V.V., inzh.;  
STEPANOV, A.I., inzh.

Practices in caisson sinking in clayey soil. Transp. stroi.  
15 no.11:13-15 N '65. (MIRA 18:11)

L 45781-66 EEC(k)-2/EWP(k)/EWT(1)/EWT(m)/T/EWP(e) IJP(c) WG/WH

ACC NR: AP6027899

SOURCE CODE: UR/0368/66/005/001/0051/0055

AUTHOR: Anan'yev, Yu. A.; Kozlov, N. A.; Mak, A. A.; Stepanov, A. I.

7/  
69  
B

ORG: none

TITLE: Thermal deformation of the resonator of a solid-state laser 25

SOURCE: Zhurnal prikladnoy spektroskopii, v. 5, no. 1, 1966, 51-55

TOPIC TAGS: solid state laser, laser resonator, thermal deformation, thermal stress, temperature distribution

ABSTRACT: The authors investigate the thermal deformation of a laser resonator due to nonuniform heating by the/active material. The experiment was carried out with cylindrical specimens of neodymium glass (80 mm long, 5 mm in diameter) with frosted lateral faces pumped by a xenon flashlamp. The experimental set-up used is described and illustrated (Fig. 1). Considerable deformation of the resonator was observed in all the modes tested. A comparison of the experimental data with the calculations performed revealed that with increasing temperature drop in the specimen, the deviation of the experimental and the calculated quantities of the optic behavior increases, reaching a peak at T = 38C. In order to determine the reasons for this divergence,

Card 1/2

UDC: 621.378.325

L 45781-66

ACC NR: AP6027899

2

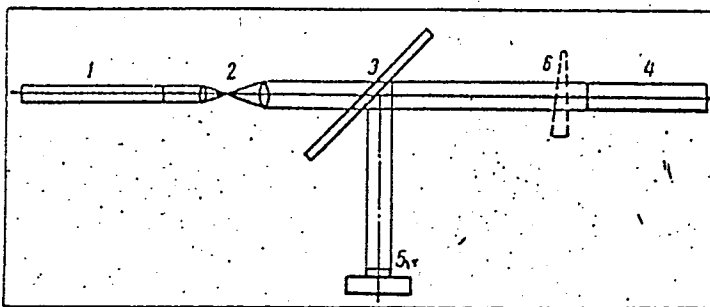


Fig. 1. Optical diagram of the set-up

1 - gaseous laser; 2 - telescope for increasing beam diameter; 3, 6 - transparent plates; 4 - test specimen; 5 - camera.

a study was made of the deformation of the end faces of the specimens, as well as of the birefringence in them due to thermal stresses. The results obtained show that the deformation of a laser resonator during optical pumping of an activated specimen is due to the nonuniformity of the temperature distribution in the specimen as well as to the thermal stresses resulting from this non-

uniformity. Furthermore, at high temperature drops the effect due to these stresses is substantial. In conclusion, the authors express their gratitude to V. S. Doladugina and Ye. G. Berezina for useful discussions. Orig. art. has: 3 formulas, 1 table, and 3 figures. [26]

SUB CODE: 20/ SUBM DATE: 05Jul65/ ORIG REF: 008/ OTH REF: 002 / ATD PRESS:

Card 2/2 5085

L 44076-66 EWT(1)/EEC(k)-2/4/EWP(k) IJP(c) WG

ACC NR: AP6030713

SOURCE CODE: UR/0368/66/005/002/0167/0171

AUTHOR: Antoshina, Ye. N.; Kozlov, N. A.; Mak, A. A.; Stepanov, A. I.; Prilezhayev, D. S.

ORG: none

B  
47

TITLE: Efficiency of reflectors for solid-state lasers *15*

SOURCE: Zhurnal prikladnoy spektroskopii, v. 5, no. 2, 1966, 167-171

TOPIC TAGS: solid state laser, laser reflector, pumping source, xenon lamp

ABSTRACT: Methods of determining the efficiency of solid-state laser reflectors were considered. The efficiency of elliptic- and circular-cylinder reflectors and the distribution of pumping energy in cylindrical neodymium-glass rods were determined experimentally. Elliptic-cylinder reflectors were prepared from metal with a surface coefficient of reflection  $R = 0.8-0.9$ . The flashlamp and the glass rod were placed along the major axis. Circular-cylinder reflectors were made of glass tubes whose outer surface was silver-coated ( $R = 0.9$ ). The reflector end-caps were made of metal ( $R = 0.8-0.9$ ). The flashlamp and specimen were parallel to the cylinder axis and were equidistant from the center. The standard reflector used in the comparative experiments consisted of four spherical mirrors with  $R = 0.8$ . The efficiency of the elliptic- and circular-cylinder reflectors was determined from the comparison of the generation energy of power therein with that of the standard reflector. The experi-

Card 1/3

UDC: 621.378.325