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chineCompany. Foot of East 138th Street, New York. The best book for electricians and beginners in electricity is "Experimental Science," by Geo. M. Hopkins. By mail, \$4. Munn & Co., publishers, 361 Broadway, N. Y.

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HINTS TO CORRESPONDENTS.

HINTS TO CORRESPONDENTS.

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Heferences to former articles or answers should give date of paper and page or number of question.

Inquiries not answered in reasonable time should be repeated; correspondents will bear in mind that some answers require not a little research, and though we endeavor to reply to all either by letter or in this department, each must take his turn.

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personal rather than general interest cannot be expected without remuneration.

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Wilnerals sent for examination should be distinctly marked or labeled.

(7972) L. C. G. asks: 1. Where is the proper position for a violin bridge? Some say 13 inches from end of fingerboard, and some say opposite the notches in sound holes. Which is right? A. The usual position of a bridge on a violin is exactly between the small nicks marked in each sound hole. 2. What is the function of the sound-post and bass bar of a violin, and what is the rule for adjusting the former? A. The position of the sound post is usually 1/8 to 3/8 of an inch behind the right foot of the bridge, the distance being va riable according to the model of the instrument. If the violin be high built, the post requires to be nearer the bridge, that its action may be stronger, while flatmodeled instruments require the post to be set further away from the bridge. The sound post is the medium by which the vibratory powers of the instrument are set in motion, it gives support to the right side of the belly, it transmits vibrations and regulates the power and quality of the tone. The sound bar facilitates the vibration. 3. Would it be an advantage to wind the permanent magnets of a Clarke machine, as described in the SCIENTIFIC AMERICAN of December 3, 1881, and if so. how would you send the current through it—from a separate battery or switch off a part of the current from the machine? A. The machine in our issue of December 3, 1881, is a magneto generator. A dynamo with electromagnets is a better machine of course. If you wish to build a dynamo, you would better find plans for such a one as you wish and start new, rather than to attempt to alter a design as old as this one. A machine built in 1881 is a very ancient affair. 4. How would you determine the voltage and amperage of the foregoing? A. The volts and amperes in a dynamo are found by a voluncter and an amperemeter. 5. Where can I procure a register of United States naval officers and vessels and their respective stations? A. 'The Army and Navy Journal gives the news of the service.

(7973) C. I. G. asks: 1. Can the electric furnace described in Scientific American Supple-MENT, August 27. 1898, be used on a 104 volt alternating current? A. The electric furnace can be used with any sort of current. 2. Do you publish an index of contents of the Scientific American Supplement, for a few years back? A. Yes.

(7974) W. C. M.—The proportions in the formula on page 186 of September 22, 1900, issue are about right. The two upper formulæ on page 92, August 11, would make solutions too dilute.

NEW BOOKS, ETC.

CYCLOPEDIA OF AMERICAN HORTICUL-TURE. By L. H. Bailey. Assisted by Wilhelm Miller, Ph.D. Illustrated with over 2,000 original drawings. In four volumes. E-M. New York: The Macmillan Company. London: Macmillan & Company. Limited. 1900. Quarto. Pp. 511 to 1054. Price

first volume of this work, and at that time we commented favorably upon the plan and scope of the work. 'The second volume does not differ materially from the first, except that the subject is now carried down as far as the letter M. Some of the illustrations are not quite so well reproduced as they might be, but on the whole the book is very satisfactory. The author seems to have a remarkable facility in knowing just what the reader wishes to obtain from a book of this kind. The volume is a handsome one and would adorn any library.

PRACTICAL CARRIAGE AND WAGON PAINTING. By M. C. Hillick. Chicago: The Western Painter. 1900. Pp. 161. Price \$1.

This is a full treatise on the painting of carriages, wagons and sleighs, embracing full and explicit directions for executing all kinds of work, including painting factory work, lettering, scrolling, ornamenting, varnish ing, etc., with many tested receipts and formulas. 'The book is profusely illustrated, and the new edition will prove of great value to all carriage painters, even though they may already be competent mechanics. The book contains many excellent designs.

THE ANTARCTIC REGIONS. By Dr. Karl Fricker. London: Swan Sonnen-schein & Company, Limited. New York: The Macmillan Company. 1900. 8vo. Pp. 292. Illustrated. Price \$3.

At the present time Antarctic exploration divides the field of interest with Arctic exploration. The fact that the extreme South is not at all well known lends more than ordinary interest to the subject. A number of expeditions are now on their way to discover, if possible. the South Pole. The book is very readable and is admirably illustrated.

INVENTIONS INDEX OF

For which Letters Patent of the United States were Issued for the Week Ending

OCTOBER 2, 1900,

AND EACH BEARING THAT DATE.

[See note at end of list about copies of these patents.]

Advertising moder others, A. F. Randall \$55,30 Advertising motor vehicle, C. Stephan \$55,30 Anumelator, therma, J. C. J. Stephan \$55,30 Anumelator, therma, J. C. J. Stephan \$55,30 Anumelator, C. V. Bachelle, \$60,121 Antomobile apphlance, E. W. Ayrers \$65,121 Antomobile apphlance, E. W. Ayrers \$65,121 Antomobile apphlance, E. W. Ayrers \$65,212 Antomobile apphlance, E. W. Ayrers \$65,212 Antomobile apphlance, E. W. Ayrers \$65,212 Antomobile apphlance, E. W. Bachelle, \$65,212 Antomobile apphlance, E. W. Ayrers \$65,212 Antomobile apphlance, E. W. Ayrers \$65,212 Antomobile apphlance, F. Steltstosser, \$65,212 Antomobile applance, F. Steltstosser, \$65,212 Ball myers, F. L. White \$65,118 Baller Stell applance, F. Steltstosser, \$65,118 Baller Stell applance, F. Steltstosser, \$65,212 Ball myers, F. L. White \$65,118 Baller Stell applance, F. Steltstosser, \$65,201 Bell for ore concentrators, W. J. Loring (religion). \$65,201 Bell floor ore concentrators, W. J. Loring (religion). \$65,201 Bell floor ore concentrators, W. J. Loring (religion). \$65,201 Binder, Lemporary, A. Buckle, but J. \$65,201 Binder, Lemporary, A. Buckle, but J		
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Bleycle Fork crown, H. L. F. Trebert. 59, 187 Bleycle Propelling device, J. C. Devlin. 59, 788 Bleycle Propelling device, J. C. Devlin. 69, 788 Bleycles, ext. Saddle for, T. L. Duffy. 65, 88, 80 Bleycles, temporary, A. Buckler. 68, 197 Bloot or shoe stretcher, E. J. Leighton. 68, 85, 188 Boiler. See Steam boiler. Water tube boiler. 69, 198 Boiler. See Steam boiler. Water tube boiler. 69, 198 Bottle, non-refillable, W. Hutton. 69, 198 Bottle, non-refillable, W. Hutton. 69, 198 Bottle, non-refillable, W. Hutton. 69, 198 Bottle stopper and sprinkler, combined, W. W. Lowrey (reissule.) 11, 81 Bottle water. M. E. Donally. 65, 188 Bottle stopper and sprinkler, combined, W. W. Lowrey (reissule.) 11, 81 Bottle water. M. E. Donally. 65, 188 Bottle and trace carrier, back band, M. Tar-Barke bank. F. B. Aglar. 658, 32 Brake shoe, T. W. Mitchell. 68, 383 Bursen burner, F. M. Brooks. 68, 30 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 63 burner. Hy drocarbou burner. 63 burner. Hy drocarbou burner. 64 Burner. F. M. Brooks. 65, 30 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 383 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 384 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 385 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 385 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 385 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 385 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 385 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 385 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 385 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 385 Car book, raining machine. N. Barry Jr. 65, 388 Burner and present see Bunser. 68, 386 Car book, raining machine. N. Barry Jr. 65, 388 Car book, raining machine. R. Barry Jr. 65, 388 Car book, raining machine. R. Barry Jr. 65, 388 Car book, raining machine. R. Barry Jr. 65, 388 Car book, raining machine. R. Barry Jr.	Bed, N. Clement. Bed pad or supplemental mattress, I. W. Legg	658,789 658,789
Bleycle Fork crown, H. L. F. Trebert. 59, 187 Bleycle Propelling device, J. C. Devlin. 59, 788 Bleycle Propelling device, J. C. Devlin. 69, 788 Bleycles, ext. Saddle for, T. L. Duffy. 65, 88, 80 Bleycles, temporary, A. Buckler. 68, 197 Bloot or shoe stretcher, E. J. Leighton. 68, 85, 188 Boiler. See Steam boiler. Water tube boiler. 69, 198 Boiler. See Steam boiler. Water tube boiler. 69, 198 Bottle, non-refillable, W. Hutton. 69, 198 Bottle, non-refillable, W. Hutton. 69, 198 Bottle, non-refillable, W. Hutton. 69, 198 Bottle stopper and sprinkler, combined, W. W. Lowrey (reissule.) 11, 81 Bottle water. M. E. Donally. 65, 188 Bottle stopper and sprinkler, combined, W. W. Lowrey (reissule.) 11, 81 Bottle water. M. E. Donally. 65, 188 Bottle and trace carrier, back band, M. Tar-Barke bank. F. B. Aglar. 658, 32 Brake shoe, T. W. Mitchell. 68, 383 Bursen burner, F. M. Brooks. 68, 30 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 63 burner. Hy drocarbou burner. 63 burner. Hy drocarbou burner. 64 Burner. F. M. Brooks. 65, 30 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 383 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 384 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 385 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 385 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 385 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 385 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 385 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 385 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 385 Burner, See Bunsen burner. Gas burner. Hy drocarbou burner. 68, 385 Car book, raining machine. N. Barry Jr. 65, 388 Burner and present see Bunser. 68, 386 Car book, raining machine. N. Barry Jr. 65, 388 Car book, raining machine. R. Barry Jr. 65, 388 Car book, raining machine. R. Barry Jr. 65, 388 Car book, raining machine. R. Barry Jr. 65, 388 Car book, raining machine. R. Barry Jr.	Belt, apparel, G. H. Gentzel	659,023
Bottle, non-refillable, W. Hinton. Bottle, non-refillable, Y. J. Stallings. Bottle stopper and sprinkler, combined, W. W. Lowrey felssue). Lowrey felssue). Lowrey felssue). Bottle stopper and sprinkler, combined, W. W. Lowrey felssue). Lowrey felssue). Box making machine, II. E. Henschel. Brake. See Friction brake. Railway brake. Vehicle brake. Velocipede brake. Brake See Friction brake. Railway brake. Vehicle brake. Velocipede brake. Brake beam. F. B. Aglar. Brake beam. F. B. Brooks. Burker. See Binsen burner. Gas burner. Hydrocarbou burner. Burner. See Binsen burner. Bas burner. Hydrocarbou burner. Button binds cuttachine. N. Barry, Jr. Gamera clamping socket and support. G. W. Hall. Camera focusing attachment. J. Gaitt. Gamera focusing attachment. J. Gaitt. Gamera focusing device. H. E. S. Singleton. Gamera focusing device. H. E. S. Singleton. Gamera focusing device. H. E. S. Singleton. Gar body transom or bolster, railway, G. I. King. Car body transom or bolster, railway, G. I. King. Car body transom or bolster, railway, G. I. King. Car body transom or bolster, railway, G. I. King. Car construction. G. I. King. Gar sean. J. Moke. Car gend old. G. I. King. Gar sean. J. Moke. Car sean. J. Moke. Carbonating apparatus. J. W. Castleman. GSA.816 Carbonating apparatus. J. Cooper. Gars. J. Moke. Carbonating apparatus. J. Cooper. Gars. J. Moke. Carbonating apparatus. J. Cooper. GSA.816 Carbonating apparatus. Fee. F. Lennard. GSA.816 Carbonating apparatus. Growners. GSA.816 Carbonating apparatus. Growners. GSA.816 C	issue) Bending machine, O. J. Reaudett	11,860 659,163
Bottle, non-refillable, W. Hinton. Bottle, non-refillable, Y. J. Stallings. Bottle stopper and sprinkler, combined, W. W. Lowrey felssue). Lowrey felssue). Lowrey felssue). Bottle stopper and sprinkler, combined, W. W. Lowrey felssue). Lowrey felssue). Box making machine, II. E. Henschel. Brake. See Friction brake. Railway brake. Vehicle brake. Velocipede brake. Brake See Friction brake. Railway brake. Vehicle brake. Velocipede brake. Brake beam. F. B. Aglar. Brake beam. F. B. Brooks. Burker. See Binsen burner. Gas burner. Hydrocarbou burner. Burner. See Binsen burner. Bas burner. Hydrocarbou burner. Button binds cuttachine. N. Barry, Jr. Gamera clamping socket and support. G. W. Hall. Camera focusing attachment. J. Gaitt. Gamera focusing attachment. J. Gaitt. Gamera focusing device. H. E. S. Singleton. Gamera focusing device. H. E. S. Singleton. Gamera focusing device. H. E. S. Singleton. Gar body transom or bolster, railway, G. I. King. Car body transom or bolster, railway, G. I. King. Car body transom or bolster, railway, G. I. King. Car body transom or bolster, railway, G. I. King. Car construction. G. I. King. Gar sean. J. Moke. Car gend old. G. I. King. Gar sean. J. Moke. Car sean. J. Moke. Carbonating apparatus. J. W. Castleman. GSA.816 Carbonating apparatus. J. Cooper. Gars. J. Moke. Carbonating apparatus. J. Cooper. Gars. J. Moke. Carbonating apparatus. J. Cooper. GSA.816 Carbonating apparatus. Fee. F. Lennard. GSA.816 Carbonating apparatus. Growners. GSA.816 Carbonating apparatus. Growners. GSA.816 C	Bicycle fork crown, H. L. F. Trebert Bicycle frame pump. C. A. Romans	659,187 658,867
Bottle, non-refillable, W. Hinton. Bottle, non-refillable, Y. J. Stallings. Bottle stopper and sprinkler, combined, W. W. Lowrey felssue). Lowrey felssue). Lowrey felssue). Bottle stopper and sprinkler, combined, W. W. Lowrey felssue). Lowrey felssue). Box making machine, II. E. Henschel. Brake. See Friction brake. Railway brake. Vehicle brake. Velocipede brake. Brake See Friction brake. Railway brake. Vehicle brake. Velocipede brake. Brake beam. F. B. Aglar. Brake beam. F. B. Brooks. Burker. See Binsen burner. Gas burner. Hydrocarbou burner. Burner. See Binsen burner. Bas burner. Hydrocarbou burner. Button binds cuttachine. N. Barry, Jr. Gamera clamping socket and support. G. W. Hall. Camera focusing attachment. J. Gaitt. Gamera focusing attachment. J. Gaitt. Gamera focusing device. H. E. S. Singleton. Gamera focusing device. H. E. S. Singleton. Gamera focusing device. H. E. S. Singleton. Gar body transom or bolster, railway, G. I. King. Car body transom or bolster, railway, G. I. King. Car body transom or bolster, railway, G. I. King. Car body transom or bolster, railway, G. I. King. Car construction. G. I. King. Gar sean. J. Moke. Car gend old. G. I. King. Gar sean. J. Moke. Car sean. J. Moke. Carbonating apparatus. J. W. Castleman. GSA.816 Carbonating apparatus. J. Cooper. Gars. J. Moke. Carbonating apparatus. J. Cooper. Gars. J. Moke. Carbonating apparatus. J. Cooper. GSA.816 Carbonating apparatus. Fee. F. Lennard. GSA.816 Carbonating apparatus. Growners. GSA.816 Carbonating apparatus. Growners. GSA.816 C	Bicycles, etc., saddle for, T. I. Duffy.	658.980 658.756
Bottle, non-refillable, W. Hinton. Bottle, non-refillable, Y. J. Stallings. Bottle stopper and sprinkler, combined, W. W. Lowrey felssue). Lowrey felssue). Lowrey felssue). Bottle stopper and sprinkler, combined, W. W. Lowrey felssue). Lowrey felssue). Box making machine, II. E. Henschel. Brake. See Friction brake. Railway brake. Vehicle brake. Velocipede brake. Brake See Friction brake. Railway brake. Vehicle brake. Velocipede brake. Brake beam. F. B. Aglar. Brake beam. F. B. Brooks. Burker. See Binsen burner. Gas burner. Hydrocarbou burner. Burner. See Binsen burner. Bas burner. Hydrocarbou burner. Button binds cuttachine. N. Barry, Jr. Gamera clamping socket and support. G. W. Hall. Camera focusing attachment. J. Gaitt. Gamera focusing attachment. J. Gaitt. Gamera focusing device. H. E. S. Singleton. Gamera focusing device. H. E. S. Singleton. Gamera focusing device. H. E. S. Singleton. Gar body transom or bolster, railway, G. I. King. Car body transom or bolster, railway, G. I. King. Car body transom or bolster, railway, G. I. King. Car body transom or bolster, railway, G. I. King. Car construction. G. I. King. Gar sean. J. Moke. Car gend old. G. I. King. Gar sean. J. Moke. Car sean. J. Moke. Carbonating apparatus. J. W. Castleman. GSA.816 Carbonating apparatus. J. Cooper. Gars. J. Moke. Carbonating apparatus. J. Cooper. Gars. J. Moke. Carbonating apparatus. J. Cooper. GSA.816 Carbonating apparatus. Fee. F. Lennard. GSA.816 Carbonating apparatus. Growners. GSA.816 Carbonating apparatus. Growners. GSA.816 C	Blanket, T. D. Gordon	58.8114
Brake. See Frietion brake. Kailway brake. Vehicle Drake. Velopede brake. Brake beam, F. B. Aglar. Brake shoe, T. W. Mitchell. 588,932 Brush cabinet. painter's, J. H. Francis. 588,933 Brush cabinet. painter's, J. H. Francis. 588,933 Buckle and trace carrier. back band, M. Taylors. 100 Brush cabinet. P. M. Brooks. 101 Brush cabinet. P. M. Brooks. 102 Brush cabinet. P. M. Brooks. 103 Brush cabinet. P. M. Brooks. 104 Brush cabinet. P. M. Brary. Jr. 105 Brush cabinet. P. M. Brary. Jr. 105 Brush cattling machine, N. Barry. Jr. 105 Button drilling magnatus. Jr. 106 Button drilling magnatus. Jr. 107 Button drilling magnatus. Jr. 108 Button drilling machine, N. Barry. Jr. 108 Button drilling machine, N. Barry. Jr. 108 Button drilling machine, R. B. Button drilling machine, R. B. Boper. 108 Button drilling machine, R. B. Boper. 108 Button drillin	Boot or shoe stretcher, E. J. Leighton Boot tree, H. B. Pelton	658.790 659,181
Brake. See Frietion brake. Kailway brake. Vehicle Drake. Velopede brake. Brake beam, F. B. Aglar. Brake shoe, T. W. Mitchell. 588,932 Brush cabinet. painter's, J. H. Francis. 588,933 Brush cabinet. painter's, J. H. Francis. 588,933 Buckle and trace carrier. back band, M. Taylors. 100 Brush cabinet. P. M. Brooks. 101 Brush cabinet. P. M. Brooks. 102 Brush cabinet. P. M. Brooks. 103 Brush cabinet. P. M. Brooks. 104 Brush cabinet. P. M. Brary. Jr. 105 Brush cabinet. P. M. Brary. Jr. 105 Brush cattling machine, N. Barry. Jr. 105 Button drilling magnatus. Jr. 106 Button drilling magnatus. Jr. 107 Button drilling magnatus. Jr. 108 Button drilling machine, N. Barry. Jr. 108 Button drilling machine, N. Barry. Jr. 108 Button drilling machine, R. B. Button drilling machine, R. B. Boper. 108 Button drilling machine, R. B. Boper. 108 Button drillin	Bottle, non-refillable, W. Hinton. Bottle, non-refillable, F. J. Stallings	658,895 659,186
Brake. See Frietion brake. Kailway brake. Vehicle Drake. Velopede brake. Brake beam, F. B. Aglar. Brake shoe, T. W. Mitchell. 588,932 Brush cabinet. painter's, J. H. Francis. 588,933 Brush cabinet. painter's, J. H. Francis. 588,933 Buckle and trace carrier. back band, M. Taylors. 100 Brush cabinet. P. M. Brooks. 101 Brush cabinet. P. M. Brooks. 102 Brush cabinet. P. M. Brooks. 103 Brush cabinet. P. M. Brooks. 104 Brush cabinet. P. M. Brary. Jr. 105 Brush cabinet. P. M. Brary. Jr. 105 Brush cattling machine, N. Barry. Jr. 105 Button drilling magnatus. Jr. 106 Button drilling magnatus. Jr. 107 Button drilling magnatus. Jr. 108 Button drilling machine, N. Barry. Jr. 108 Button drilling machine, N. Barry. Jr. 108 Button drilling machine, R. B. Button drilling machine, R. B. Boper. 108 Button drilling machine, R. B. Boper. 108 Button drillin	Bottle stopper and sprinkler, combined, w. w.	11,861
Bunsen burner, P. M. Brooks. Burner, See Bunsen burner, Gas burner, Hydrocarbon burner, Batton bink cutting machine, N. Barry, Jr. 658,122 Button drilling machine, N. Barry, Jr. 658,122 Button drilling machine, N. Barry, Jr. 658,123 Button grunding machine, N. Barry, Jr. 658,123 Button grunding machine, N. Barry, Jr. 658,123 Cabinet, J. L. Tandy 658,124 Camera focusing attachment, J. Gaut. 658,800 Camera focusing device, J. A. Mosher. 658,904 Camera focusing device, J. A. Mosher. 658,904 Camera focusing device, H. E. S. Singleton 658,872 Camera magazine, G. De Geofroy. 659,143 Can cooler, milk, R. B. King. 658,130 Car chock, railway, J. T. Condon. 658,130 Car chock, railway, J. T. Condon. 658,130 Car cooler, H. Lutzenkirchen 658,130 Car dumping apparatus, J. W. Castleman 658,130 Car seat, Step over, C. K. Pickles. 658,949 Car seat, P. M. Kling. 658,788 Car seat, P. M. Kling. 658,788 Car seat, P. M. Kling. 658,788 Car seat, Step over, C. K. Pickles. 658,949 Car seat, P. M. Kling. 658,788 Car seat, P. M. Kling. 658,788 Car seat, Step over, C. K. Pickles. 658,949 Car seat, protecting apparatus for trainway, A. 74 liels. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cardonating apparatus, E. P. Murphy 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cardonating apparatus, E. P. Murphy 658,710 Cars,	Box. See Hat box. Journal box. Box making machine, H. E. Henschel	658.844
Bunsen burner, P. M. Brooks. Burner, See Bunsen burner, Gas burner, Hydrocarbon burner, Batton bink cutting machine, N. Barry, Jr. 658,122 Button drilling machine, N. Barry, Jr. 658,122 Button drilling machine, N. Barry, Jr. 658,123 Button grunding machine, N. Barry, Jr. 658,123 Button grunding machine, N. Barry, Jr. 658,123 Cabinet, J. L. Tandy 658,124 Camera focusing attachment, J. Gaut. 658,800 Camera focusing device, J. A. Mosher. 658,904 Camera focusing device, J. A. Mosher. 658,904 Camera focusing device, H. E. S. Singleton 658,872 Camera magazine, G. De Geofroy. 659,143 Can cooler, milk, R. B. King. 658,130 Car chock, railway, J. T. Condon. 658,130 Car chock, railway, J. T. Condon. 658,130 Car cooler, H. Lutzenkirchen 658,130 Car dumping apparatus, J. W. Castleman 658,130 Car seat, Step over, C. K. Pickles. 658,949 Car seat, P. M. Kling. 658,788 Car seat, P. M. Kling. 658,788 Car seat, P. M. Kling. 658,788 Car seat, Step over, C. K. Pickles. 658,949 Car seat, P. M. Kling. 658,788 Car seat, P. M. Kling. 658,788 Car seat, Step over, C. K. Pickles. 658,949 Car seat, protecting apparatus for trainway, A. 74 liels. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cardonating apparatus, E. P. Murphy 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cardonating apparatus, E. P. Murphy 658,710 Cars,	Brake. See Friction brake. Railway brake. Vehicle brake. Velocimede brake.	00,011
Bunsen burner, P. M. Brooks. Burner, See Bunsen burner, Gas burner, Hydrocarbon burner, Batton bink cutting machine, N. Barry, Jr. 658,122 Button drilling machine, N. Barry, Jr. 658,122 Button drilling machine, N. Barry, Jr. 658,123 Button grunding machine, N. Barry, Jr. 658,123 Button grunding machine, N. Barry, Jr. 658,123 Cabinet, J. L. Tandy 658,124 Camera focusing attachment, J. Gaut. 658,800 Camera focusing device, J. A. Mosher. 658,904 Camera focusing device, J. A. Mosher. 658,904 Camera focusing device, H. E. S. Singleton 658,872 Camera magazine, G. De Geofroy. 659,143 Can cooler, milk, R. B. King. 658,130 Car chock, railway, J. T. Condon. 658,130 Car chock, railway, J. T. Condon. 658,130 Car cooler, H. Lutzenkirchen 658,130 Car dumping apparatus, J. W. Castleman 658,130 Car seat, Step over, C. K. Pickles. 658,949 Car seat, P. M. Kling. 658,788 Car seat, P. M. Kling. 658,788 Car seat, P. M. Kling. 658,788 Car seat, Step over, C. K. Pickles. 658,949 Car seat, P. M. Kling. 658,788 Car seat, P. M. Kling. 658,788 Car seat, Step over, C. K. Pickles. 658,949 Car seat, protecting apparatus for trainway, A. 74 liels. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cardonating apparatus, E. P. Murphy 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cardonating apparatus, E. P. Murphy 658,710 Cars,	Brake beam, F. B. Aglar Brake shoe, T. W. Mitchell	658.972 658.856
Bunsen burner, P. M. Brooks. Burner, See Bunsen burner, Gas burner, Hydrocarbon burner, Batton bink cutting machine, N. Barry, Jr. 658,122 Button drilling machine, N. Barry, Jr. 658,122 Button drilling machine, N. Barry, Jr. 658,123 Button grunding machine, N. Barry, Jr. 658,123 Button grunding machine, N. Barry, Jr. 658,123 Cabinet, J. L. Tandy 658,124 Camera focusing attachment, J. Gaut. 658,800 Camera focusing device, J. A. Mosher. 658,904 Camera focusing device, J. A. Mosher. 658,904 Camera focusing device, H. E. S. Singleton 658,872 Camera magazine, G. De Geofroy. 659,143 Can cooler, milk, R. B. King. 658,130 Car chock, railway, J. T. Condon. 658,130 Car chock, railway, J. T. Condon. 658,130 Car cooler, H. Lutzenkirchen 658,130 Car dumping apparatus, J. W. Castleman 658,130 Car seat, Step over, C. K. Pickles. 658,949 Car seat, P. M. Kling. 658,788 Car seat, P. M. Kling. 658,788 Car seat, P. M. Kling. 658,788 Car seat, Step over, C. K. Pickles. 658,949 Car seat, P. M. Kling. 658,788 Car seat, P. M. Kling. 658,788 Car seat, Step over, C. K. Pickles. 658,949 Car seat, protecting apparatus for trainway, A. 74 liels. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cardonating apparatus, E. P. Murphy 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,710 Cardonating apparatus, E. P. Murphy 658,710 Cars,	Brush cabinet. painter's, J. H. Francis Buckle and trace carrier, back band, M. Tay-	658,983
Grocarbon burner. Button drilling machine, N. Barry, Jr. 658,189 Button drilling machine, N. Barry, Jr. 658,182 Button grinding machine, N. Barry, Jr. 658,180 Camera focusing device, J. A. Mosher. 658,80 Camera focusing device, J. A. Mosher. 658,90 Camera focusing device, J. A. Mosher. 658,80 Camera focusing device, J. A. Mosher. 658,812 Camera focusing device, H. E. S. Singleton 658,872 Camera magazine, G. De Geofrog. 659,143 Can cooler, milk, R. B. King. 658,130 Car chock, railway, J. T. Condon. 658,130 Car chock, railway, J. T. Condon. 658,130 Car construction, G. I. King. 658,130 Car dumping apparatus, J. W. Castleman. 658,740 Car construction, G. I. King. 658,743 Car dumping apparatus, J. W. Castleman. 658,740 Car gender, H. Lutzenkirchen. 658,740 Car seat, J. Hodge. 658,758 Car seat, P. M. Khing. 658,759 Car seat, P. M. Khing. 658,759 Car seat, P. M. Khing. 658,759 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,751 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,751 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,751 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,751 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,752 Cars weaper balls, device for attaching hancard for the supplying electric power to railway, G. F. Gale. 658,752 Cars, mechanism for supplying electric power to railway, G. F. Gale. 658,753 Cardway, G.	Bursen burner, F. M. Brooks	658,890
Button drilling machine, N. Barry, Jr. \$99,193 Cabinet, J. L. Tandy. Camera clamping socket and support, G. W. Hall. Camera focusing attachment. J. Guit. \$59,082 Camera focusing device. J. A. Mosher. \$65,890 Camera focusing device. J. A. Mosher. \$65,872 Camera magazine. G. De Geofron. \$65,872 Candelabrum. G. P. Kato, Jr. \$65,873 Car chock, railway, J. T. Condon. \$65,873 Car dumping, T. Hill. \$65,873 Car dumping, T. Hill. \$65,873 Car dumping, T. Hill. \$65,873 Car gondola, G. I. King. \$65,873 Car seat. Step over. C. K. Pickles. \$65,849 Car seat. Step over. C. K. Pickles. \$65,849 Car seat. Step over. C. K. Pickles. \$65,849 Cars seat. Step over. C. K. Pickles. \$65,840 Cars seat. Step over. C. K. Pickles. \$65,840 Cars. phonographic annunciator for, A. C. \$65,016 Cars. phonographic annunciator for, A. C. \$65,017 Cars. etc., protecting apparatus for tramway, A. Thiels. \$65,017 Cars. etc., protecting apparatus, A. Annunciator for, A. C. \$65,017 Cars. etc., protecting apparatus, G. C. C. C. \$65,017 Cars. etc., protecting apparatus, G. C. C. C. \$65,017 Cas. See Seurgeon's case. Thermometer case. \$65,017 Cas. See Seurgeon's case. Thermometer case. \$65,017 Case. See Seurgeon'	Button blank cutting machine N Barry Jr	659,191
Camera focusing attachment. J. Gaut. Camera focusing attachment. J. Gaut. Camera focusing attachment. J. Gaut. Camera focusing device. H. A. Mosher. Soc. Soc. Soc. Gaut. Camera focusing device. H. A. Mosher. Camera magnathe. G. De Geofroy. Camera magnathe. G. De Geofroy. Carlonoler. milk. R. B. King. Carlonot. Milk. R. B. King. Carlonoler. M. L. King. Carlonoler. M. L. King. Carlonoler. H. Lutzenkirchen. Soc. Soc. Soc. Carlonoler. Carlonoler. H. Lutzenkirchen. Soc. Carlonoler. H. Lutzenkirchen. Soc. Soc. Carlonoler. H. Mill. Carlonoler. H. Lutzenkirchen. Soc. Soc. Carlonoler. Carlonoler. H. Lutzenkirchen. Soc. Soc. Carlonoler. H. Mill. Carlonoler. Gale. Carlonoler. M. Soc. Soc. Soc. Soc. Soc. Carlonoler. Carlonoler. M. Soc. Soc. Soc. Soc. Soc. Carlonoler. Carlonoler. Soc. Soc. Soc. Soc. Soc. Soc. Soc. Soc	Button drilling machine, N. Barry, Jr	659,192 659,193
Car dumping T. Hill. Car dumping apparatus, J. W. Castleman. 558.750 Car fender, H. Lutzenkirchen. Car, gondola, G. I. King. Car serof, J. Hodge. Car sear, Stee over, C. K. Pickies. Cars, mechanism for supplying electric power to Tailway, G. F. Gale. Cars, phonographic anaunciator for, A. C. Cars, etc. protecting apparatus for trainway, A. Carbonating apparatus, E. E. Murphy. Carding machine feeding mechanism, J. B. Platt. Carding machine feeding mechanism, J. B. Platt. Carpenter's gage, G. H. Thompson. Carriage notors, supporting frame for, C. A. Lindstrom. Carriage notors, supporting frame for, C. A. Lindstrom. Carriage notors case. Thermometer case. Cash register, L. Ehrlich. Cell case machine, W. E. Villiams. Cell case machine, J. Starman. Cisp forming machine for traking, J. W. Parker. Cheeving Collectors in public conveyances, etc. means for, J. F. Ohmer. Chevier, See Corset clasp. Cleapher, See Corset clasp. Cleapher, See Corset clasp. Cleapher, See Saw cleaner. Clip forming machine, G. E. Soper. Colip forming machine, G. E	Camera clamping socket and support, G. W.	658,880
Car dumping T. Hill. Car dumping apparatus, J. W. Castleman. 558.750 Car fender, H. Lutzenkirchen. Car, gondola, G. I. King. Car serof, J. Hodge. Car sear, Stee over, C. K. Pickies. Cars, mechanism for supplying electric power to Tailway, G. F. Gale. Cars, phonographic anaunciator for, A. C. Cars, etc. protecting apparatus for trainway, A. Carbonating apparatus, E. E. Murphy. Carding machine feeding mechanism, J. B. Platt. Carding machine feeding mechanism, J. B. Platt. Carpenter's gage, G. H. Thompson. Carriage notors, supporting frame for, C. A. Lindstrom. Carriage notors, supporting frame for, C. A. Lindstrom. Carriage notors case. Thermometer case. Cash register, L. Ehrlich. Cell case machine, W. E. Villiams. Cell case machine, J. Starman. Cisp forming machine for traking, J. W. Parker. Cheeving Collectors in public conveyances, etc. means for, J. F. Ohmer. Chevier, See Corset clasp. Cleapher, See Corset clasp. Cleapher, See Corset clasp. Cleapher, See Saw cleaner. Clip forming machine, G. E. Soper. Colip forming machine, G. E	Camera focusing attachment, J. Gaut	658,994
Car dumping T. Hill. Car dumping apparatus, J. W. Castleman. 558.750 Car fender, H. Lutzenkirchen. Car, gondola, G. I. King. Car serof, J. Hodge. Car sear, Stee over, C. K. Pickies. Cars, mechanism for supplying electric power to Tailway, G. F. Gale. Cars, phonographic anaunciator for, A. C. Cars, etc. protecting apparatus for trainway, A. Carbonating apparatus, E. E. Murphy. Carding machine feeding mechanism, J. B. Platt. Carding machine feeding mechanism, J. B. Platt. Carpenter's gage, G. H. Thompson. Carriage notors, supporting frame for, C. A. Lindstrom. Carriage notors, supporting frame for, C. A. Lindstrom. Carriage notors case. Thermometer case. Cash register, L. Ehrlich. Cell case machine, W. E. Villiams. Cell case machine, J. Starman. Cisp forming machine for traking, J. W. Parker. Cheeving Collectors in public conveyances, etc. means for, J. F. Ohmer. Chevier, See Corset clasp. Cleapher, See Corset clasp. Cleapher, See Corset clasp. Cleapher, See Saw cleaner. Clip forming machine, G. E. Soper. Colip forming machine, G. E	Camera focusing device. H. E. S. Singleton Camera, magazine, G. De Geofroy	658,872 659,143
Car dumping T. Hill. Car dumping apparatus, J. W. Castleman. 558.750 Car fender, H. Lutzenkirchen. Car, gondola, G. I. King. Car serof, J. Hodge. Car sear, Stee over, C. K. Pickies. Cars, mechanism for supplying electric power to Tailway, G. F. Gale. Cars, phonographic anaunciator for, A. C. Cars, etc. protecting apparatus for trainway, A. Carbonating apparatus, E. E. Murphy. Carding machine feeding mechanism, J. B. Platt. Carding machine feeding mechanism, J. B. Platt. Carpenter's gage, G. H. Thompson. Carriage notors, supporting frame for, C. A. Lindstrom. Carriage notors, supporting frame for, C. A. Lindstrom. Carriage notors case. Thermometer case. Cash register, L. Ehrlich. Cell case machine, W. E. Villiams. Cell case machine, J. Starman. Cisp forming machine for traking, J. W. Parker. Cheeving Collectors in public conveyances, etc. means for, J. F. Ohmer. Chevier, See Corset clasp. Cleapher, See Corset clasp. Cleapher, See Corset clasp. Cleapher, See Saw cleaner. Clip forming machine, G. E. Soper. Colip forming machine, G. E	Can cooler, milk, R. B. King	659.150 658,898
Car dumping T. Hill. Car dumping apparatus, J. W. Castleman. 558.750 Car fender, H. Lutzenkirchen. Car, gondola, G. I. King. Car serof, J. Hodge. Car sear, Stee over, C. K. Pickies. Cars, mechanism for supplying electric power to Tailway, G. F. Gale. Cars, phonographic anaunciator for, A. C. Cars, etc. protecting apparatus for trainway, A. Carbonating apparatus, E. E. Murphy. Carding machine feeding mechanism, J. B. Platt. Carding machine feeding mechanism, J. B. Platt. Carpenter's gage, G. H. Thompson. Carriage notors, supporting frame for, C. A. Lindstrom. Carriage notors, supporting frame for, C. A. Lindstrom. Carriage notors case. Thermometer case. Cash register, L. Ehrlich. Cell case machine, W. E. Villiams. Cell case machine, J. Starman. Cisp forming machine for traking, J. W. Parker. Cheeving Collectors in public conveyances, etc. means for, J. F. Ohmer. Chevier, See Corset clasp. Cleapher, See Corset clasp. Cleapher, See Corset clasp. Cleapher, See Saw cleaner. Clip forming machine, G. E. Soper. Colip forming machine, G. E	Car body transom or bolster, railway, G. I. King, 658,784,	658.785
Gars, phonographic anaunciator for, A. C. 659,169 Cars, petonographic anaunciator for, A. C. 659,017 Cars, etc., protecting apparatus for tramway, A. Thiels. 658,816 Carbent fron tar, separating free, F. Lennard. 658,816 Carbonating apparatus, E. E. Murphy. 658,386 Card wire, jaccuard, R. L. Shaw. 658,870 Carding machine feeding mechanism, J. B. Platt. Carpenter's gage, G. H. Thompson. 658,881 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 658,881 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 658,881 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers of streams, apparatus for improving and preserving, M. W. Bell. 659,122 Check rower wire, machine for making, J. W. Parker. 659,122 Check rower wire, machine for making, J. W. Parker. 659,122 Checking collectors in public conveyances, etc. 19, 11, 11, 11, 11, 11, 11, 11, 11, 11,	Car construction, G. I. King	658,783 658,914
Gars, phonographic anaunciator for, A. C. 659,169 Cars, petonographic anaunciator for, A. C. 659,017 Cars, etc., protecting apparatus for tramway, A. Thiels. 658,816 Carbent fron tar, separating free, F. Lennard. 658,816 Carbonating apparatus, E. E. Murphy. 658,386 Card wire, jaccuard, R. L. Shaw. 658,870 Carding machine feeding mechanism, J. B. Platt. Carpenter's gage, G. H. Thompson. 658,881 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 658,881 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 658,881 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers of streams, apparatus for improving and preserving, M. W. Bell. 659,122 Check rower wire, machine for making, J. W. Parker. 659,122 Check rower wire, machine for making, J. W. Parker. 659,122 Checking collectors in public conveyances, etc. 19, 11, 11, 11, 11, 11, 11, 11, 11, 11,	Car dumping apparatus, J. W. Castleman Car fender, H. Lutzenkirchen.	658.7 60 658.854
Gars, phonographic anaunciator for, A. C. 659,169 Cars, petonographic anaunciator for, A. C. 659,017 Cars, etc., protecting apparatus for tramway, A. Thiels. 658,816 Carbent fron tar, separating free, F. Lennard. 658,816 Carbonating apparatus, E. E. Murphy. 658,386 Card wire, jaccuard, R. L. Shaw. 658,870 Carding machine feeding mechanism, J. B. Platt. Carpenter's gage, G. H. Thompson. 658,881 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 658,881 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 658,881 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers of streams, apparatus for improving and preserving, M. W. Bell. 659,122 Check rower wire, machine for making, J. W. Parker. 659,122 Check rower wire, machine for making, J. W. Parker. 659,122 Checking collectors in public conveyances, etc. 19, 11, 11, 11, 11, 11, 11, 11, 11, 11,	Car, gondola, G. I. King	658.788 658.776
Gars, phonographic anaunciator for, A. C. 659,169 Cars, petonographic anaunciator for, A. C. 659,017 Cars, etc., protecting apparatus for tramway, A. Thiels. 658,816 Carbent fron tar, separating free, F. Lennard. 658,816 Carbonating apparatus, E. E. Murphy. 658,386 Card wire, jaccuard, R. L. Shaw. 658,870 Carding machine feeding mechanism, J. B. Platt. Carpenter's gage, G. H. Thompson. 658,881 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 658,881 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 658,881 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers to, F. C. Mason. 659,084 Carpet sweeper bails, device for attaching handers of streams, apparatus for improving and preserving, M. W. Bell. 659,122 Check rower wire, machine for making, J. W. Parker. 659,122 Check rower wire, machine for making, J. W. Parker. 659,122 Checking collectors in public conveyances, etc. 19, 11, 11, 11, 11, 11, 11, 11, 11, 11,	Car seat, P. M. Kling	658.950
Cars. Phonographic annunciator for, A. C. Wolfe Cars. etc. protecting apparatus for tramway, A Thielis. Carbon from tar. separating free, F. Lennard. Carbonating apparatus, E. E. Murphy \$685,398 Card wire, jacquard, R. L. Shaw. Carding machine feeding mechanism, J. B. Platt. Carpenter's gage, G. H. Thompson. Carriage motors, supporting frame for, C. A. Lindstrom. Carrier. See Buckle and trace carrier. Case. See Surgeon's case. Cash register, L. Ehrlich. Celi case machine. J. Starman. Celi case machine. J. Starman. Celi case machine. W. E. Villiams. Celi case machine. The machine for improving and preserving, M. W. Bell. Check rower wire, machine for making, J. W. Parker. Cheving collectors in public conveyances, etc., means for, J. F. Ohmer. Cheving, J. F. Ohmer. Cheving, J. F. Ohmer. Cheving, J. F. Ohmer. Cheving, J. F. Ohmer. Colin forming machine, G. E. Soper. Clasp. See Corset clasp. Cleaner. See Saw cleaner. Clip forming machine, G. E. Soper. Colin controlled mechanism for dispensing newspapers, G. Easterbe. Condodor, A. L. Platt. Cock or valve with separate closing device, cut- off, H. Moeres. Condodor, A. E. Platt. Cock or valve with separate closing device, cut- off, H. Moeres. Condodor, A. E. Platt. Cock or valve with separate closing device, cut- off, H. Moeres. Condodor, A. E. Platt. Cock or valve with separate closing device, cut- off, H. Moeres. Condodor, A. E. Platt. Cock or valve with separate closing device, cut- off, H. Moeres. Condodor, C. J. Mernolostel. Cooking utensil, W. H. Gelding. Cover, self closing apparatus, H. D. Pow- nall. Cock or valve with separate closing device, cut- off, H. Moeres. Cooking utensil, W. H. Gelding. Cover, self closing apparatus, G. S.		
Carbon from tar, separating free, F. Lennard	Cars. Phonographic annunciator for, A. C.	
Carbon from tar, separating free, F. Lennard. Carbonating apparatus, E. E. Murpby \$658,738 Card wire, jacquard, R. L. Shaw. Carding machine feeding mechanism, J. B. Platt. Carpenter's gage, G. H. Thompson. 658,838 Carpenter's gage, G. H. Thompson. 658,831 Carpent sweeper balls, device for attaching handles to, F. C. Mason. Carriage motors, supporting frame for, C. A. Lindstrom. Carrier. See Buckle and trace carrier. Case. See Surgeon's case. Thermometer case. Cash register, L. Ehrlich. 659,080 Cell case machine, J. Starman. 658,930 Cell case machine, W. E. Williams. 658,930 Cell case machine, W. E. Williams. 659,010 Check rower wire, machine for improving and preserving, M. W. Bell. Check nower wire, machine for making, J. W. Parker. 658,200 Checking collectors in public conveyances, etc., means for, J. F. Ohmer. 658,087 Cleaper. See Cortot chopper. Churul, J. H. McCausland. 659,110 Coll. 619, F. Collector of the per. 659,180 Clothes pin, C. R. Towers. 659,140 Cold or rock drill, J. Eagen. 659,140 Coat holder, A. L. Platt. 658,342 Conduction process, C. Hornbostel. 659,140 Conduction process, C. Hornbostel. 659,140 Conduction process, C. Hornbostel. 659,029 Conduction process, C. Hornbostel. 659,030 Conduction process, C. Hornbostel. 659,046 Conduction process, C. Hornbostel. 659,046 Conduction process, C. Hornbostel. 659,046 Conduction process, C. Hornbostel. 658,932 Conking own, C. G. Atwater. 659,046 Conduction process, C. Hornbostel. 658,932 Conking own, C. G. Atwater. 658,942 Conduction process, C. Hornbostel. 658,935 Corset clasp, J. G. Dallaire. 658,935 Corset apparatus for, L. N. Doubler. 658,936 Corset apparatus for, L. N. Houbler. 658,936 Corset clasp, J. G. Dallaire. 658,937 Corset clasp, J. G. Dallair	cars, etc., protecting apparatus for trainway, A.	
Carding machine feeding mechanism, J. B. Platt. Carpet weeper buils, device for attaching handrest of, F. C. Mason. Carriage motors, supporting frame for, C. A. Lindstrom. Carriage motors, supporting frame for, C. A. Cash rearister, L. Ebrlich. Cash rearister, L. Ebrlich. Cell case machine, J. Starman. Cell case machine, J. Starman. Channels of streams, apparatus for improving and preserving, M. W. Bell. Check rower wire, machine for traking, J. W. Cherking collectors in public conveyances, ct. Bearlis for, J. F. Chiner. Chelling for, J. F. Chiner. Chining J. H. McCausland. Circum making and breaking device, P. M. Lin- Clistor forming machine, G. E. Soper. Colleger. See Saw cleaner. Clip forming machine, G. E. Soper. Coll porting machine, G. E. Soper. Coll porting machine, G. E. Soper. Coll to cutting apparatus, M. A. Adler. Coff. H. Moeres. Condor valve with separate closing device, cut- off. H. Moeres. Conductor, G. La Water. Conductor of the More of See, 942 Conductor of the More of See, 943 Conduction process, C. Hornbostel. Cooking oven. C. G. At water. Cooking utensil, W. H. Gelding. Corset apparatus for, L. N. Doubler. Cooking utensil, W. H. Gelding. Cooking oven. C. G. At water. Cooking oven. C. G. At water. Gentlesser. Cooking oven. C. G. At water. Cooking oven. C. G. At water. Cooking oven. C. G. At water. Gentlesser. Gentlesse	Carbon from tar, separating free. F. Lennard	659.076 658.798
Carpeter's gage, G. H. Thompson. 658,831 Carpeter weeper bails, device for attaching handies to, F. C. Mason. 659,034 Carriage motors, supporting frame for, C. A. Lilidstrom. 659,034 Carrier, See Buckie and trace carrier. 659,080 Cash rearister, L. Ehrlich. 659,030 Call case machine, J. Starman 658,930 Channels of streams, apparatus for improving and preserving, M. W. Bell. 658,192 Check rower wire, machine for making, J. W. Parker. 658,087 Checking collectors in public conveyances, etc. meants for, J. F. Ohmer. 659,100 Chang, J. H. McCausland. 659,087 Clapper. See Cotton chopper. 658,792 Clapper. See Cotton chopper. 658,792 Clapper. See Correct clasp. 658,792 Clapper. See Correct clasp. 658,792 Clapper. See Saw cleaner. 659,110 Clothe spin, C. K. Towers. 659,139 Cotton clutting apparatus, M. A. Adler. 659,139 Cotton clutting apparatus, M. A. Adler. 659,139 Cotton clutting apparatus, M. A. Adler. 659,139 Cotton clutting apparatus, M. Cotton clutting apparatus, M. Cotton clutting apparatus, M. Cotton clutter, See Saw cleaner. 659,139 Cotton clutter machine, E. J. Brandt. 658,839 Cotton clutter machine, C. F. Conover. 658,942 Condustroid packanism for dispensing news-papers, C. A. Waster. 659,046 Condustion process, C. Hornbostel. 659,046 Condustion process, C. Hornbostel. 658,932 Conocal and steaming meats, vegetables, etc. apparatus for, L. N. Doubler. 658,942 Cooking owen, C. G. Atwater. 658,943 Corset, apparel, M. L. Barcley. 658,945 Corset, apparel, M. L. Barcley. 658,941 Corse	Carding machine feeding mechanism, J. B.	
Carrier. See Buckle and trace carrier. Case. See Surgeo's case. Thermometer case. Cash register. L. Ebrlich. Cell case machine. J. Starman. Chambelo os sease. Thermometer case. Cell case machine. W. E. Williams. Chambelo os sease. Thermometer case. Check now wire, machine for traking, J. W. Check now college. The object. Check now college. The object. Check now college. The object. Colling forming machine. G. E. Soper. College. See Saw cleaner. Clip forming machine. G. E. Soper. Coll to cutting apparatus. M. A. Adder. College. See Saw cleaner. College. The object. College. The object. Coal holder. A. L. Platt. Cock or valve with separate closing device, cuttoff. H. Moeres. Coll controlled mechanism for dispensing news. papers. G. Easterbe. Colm controlled mechanism for dispensing news. papers. G. Easterbe. Colm delivery machine. E. J. Brandt. Cocking oven. C. G. At water. Cooking oven. C. G. At water. Cooking utensil. W. H. Golding. Cooler. See Can cooler. Cooking utensil. W. H. Golding. Corset. apparatus for, L. N. Doubler. Cooking utensil. W. H. Golding. Corset. apparatus for, L. N. Doubler. Cooking utensil. W. H. Golding. Corset. apparatus for, L. N. Houler. Cooking utensil. W. Williams. Coupling. See Hose coupling. Thill coupling. Cover self closing aperture, M. W. Sewall. G. So. 303 Cover. See Hose coupling. Thill coupling. Cover lock, vessel, L. A. Frank. Cover lock, vessel, L. A. Frank. Cover self closing aperture. Cover see folosing aperture. Cover see folosing aperture. Cover see of coupling. Thill coupling. Cover lock, vessel, L. A. Frank. Cover see of coupling. Cover see of coupli	Carnenter's gage. G. H. Thompson	658 881
Carrier. See Buckle and trace carrier. Case. See Surgeo's case. Thermometer case. Cash register. L. Ebrlich. Cell case machine. J. Starman. Chambelo os sease. Thermometer case. Cell case machine. W. E. Williams. Chambelo os sease. Thermometer case. Check now wire, machine for traking, J. W. Check now college. The object. Check now college. The object. Check now college. The object. Colling forming machine. G. E. Soper. College. See Saw cleaner. Clip forming machine. G. E. Soper. Coll to cutting apparatus. M. A. Adder. College. See Saw cleaner. College. The object. College. The object. Coal holder. A. L. Platt. Cock or valve with separate closing device, cuttoff. H. Moeres. Coll controlled mechanism for dispensing news. papers. G. Easterbe. Colm controlled mechanism for dispensing news. papers. G. Easterbe. Colm delivery machine. E. J. Brandt. Cocking oven. C. G. At water. Cooking oven. C. G. At water. Cooking utensil. W. H. Golding. Cooler. See Can cooler. Cooking utensil. W. H. Golding. Corset. apparatus for, L. N. Doubler. Cooking utensil. W. H. Golding. Corset. apparatus for, L. N. Doubler. Cooking utensil. W. H. Golding. Corset. apparatus for, L. N. Houler. Cooking utensil. W. Williams. Coupling. See Hose coupling. Thill coupling. Cover self closing aperture, M. W. Sewall. G. So. 303 Cover. See Hose coupling. Thill coupling. Cover lock, vessel, L. A. Frank. Cover lock, vessel, L. A. Frank. Cover self closing aperture. Cover see folosing aperture. Cover see folosing aperture. Cover see of coupling. Thill coupling. Cover lock, vessel, L. A. Frank. Cover see of coupling. Cover see of coupli	dies to, F. C. Mason	659,084
Cell case machine. J. Starman (58,930) Cell case machine. W. E. Avilliams (59,010) Channels of streams, apparatus for improving and preserving. M. W. Bell. (59,122) Check rower wire, machine for making, J. W. Parker. (68,122) Checking collectors in public conveyances, etc. (69,180) Citrouit making and breaking device, P. M. Linger (69) Clash See Corset clasp. Clothes pin C. K. Towers. (69,19) Clothe cutting apparatus, M. A. Ader (69,119) Clothe cutting apparatus, M. A. Ader (69,119) Coatholder, A. L. Platt. (69,119) Coatholder, A. L. Platt. (69,19) Coatholder, A. L. Platt. (69,19) Conductor of the mechanism for dispensing newspapers, G. Easterbee. (69,140) Coning controlled mechanism for dispensing newspapers, G. Easterbee. (69,140) Conductor of the mechanism for dispensing newspapers, G. Easterbee. (69,140) Conduction process of the mobile of the mechanism for dispensing newspapers, G. Easterbee. (69,046) Conduction process of the mobile of the mechanism for dispensing newspapers, G. Easterbee. (69,046) Conduction process of the mobile of the mechanism for dispension process of the mobile of the mechanism for dispension for the mechanism for dispension for dis	Carrier. See Buckle and trace carrier.	659,080
Cherking collectors in public conveyances, etc., nights for J. F. Chmer	Cash register, L. Ehrlich	650,141 658,930
Cherking collectors in public conveyances, etc., nights for J. F. Chmer	Cell case machine. W. E. Williams	659,010
Cherking collectors in public conveyances, etc., nights for J. F. Chmer	Check rower wire, machine for making, J. W.	659,122
Circuil making and breaking device, P. M. Lin con. Colsap. See Carset clasp. Clasp. See Saw cleaner. Clip forming machine G. E. Soper	Checking collectors in public conveyances, etc.,	e59 180
Clasp. See Cørset clasp. Cleaner. See Saw cleaner. Clip forming machine, G. E. Soper	Chopper. See Cotton chopper. Churu, J. H. McCausland	659.0S7
Cock or valve with separate closing device, cutoff, H. Moeres. Coin controlled mechanism for dispensing newspapers, G. Easterbee. Coin delivery machine, E. J. Brandt	Circuit making and breaking device, P. M. Lin-	658,792
Cock or valve with separate closing device, cutoff, H. Moeres. Coin controlled mechanism for dispensing newspapers, G. Easterbee. Coin delivery machine, E. J. Brandt	Cleaner. See Saw cleaner.	659 111
Cock or valve with separate closing device, cutoff, H. Moeres. Coin controlled mechanism for dispensing newspapers, G. Easterbee. Coin delivery machine, E. J. Brandt	Cloth cutting apparatus, M. A. Adler Clothes pin, C. R. Towers	659.119 659.044
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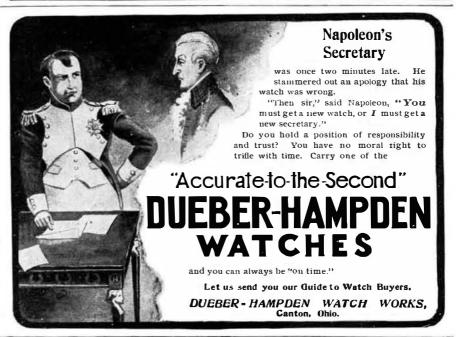
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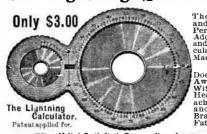
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