

## HINTS TO CORRESPONDENTS.

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Names and Address must accompany all letters, or no attention will be paid thereto. This is for our information, and not for publication.

References 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.

Special Written Information on matters of personal rather than general interest cannot be expected without remuneration.

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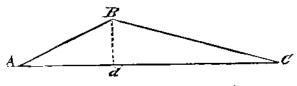
Hooks referred to promptly supplied on receipt of price.

Minerals sent for examination should be distinctly.

price.

Ninerals sent for examination should be distinctly marked or labeled.

(1) T. H. & W. S. ask for the rule for



course vary for every position of the press. Then to make 1 gallon. This mixture is called finings, and 1 to obtain the end pressure use the following formula, in 2 pints of it is the proper quantity for a barrel. When which R denotes the pressure, and P the power applied at B in the direction B d.

$$R=P \cdot \frac{dC}{AC} \cdot \frac{A}{dB}$$

If the arms A B and B C are of equal length, the formula reduces to  $R=P\frac{A d}{2 d B}$ 

- (2) H. N. asks the quickest and best way to drill holes for water pipes in rough plate glass A. Use a hardened (file temper) drill, with spirits of turpentine and camphor to make the drill bite. A broken file in a breast brace will do good work if a power drill
- (3) W. H. H. asks if old putty in old window sash can be softened so as to be easily taken out. A. Take 1 part American pearl ash, 3 parts stone quick lime; slake the lime, add the pearl ash, and bring the whole to the consistence of paint. Apply it to the sash, and let it remain for 12 hours, when the putty
- (4) J. B. C.—The polar position of the sun has not yet been exactly located. Its approximate polar point among the stars may be assigned, but is of no value in astronomical work, and is not mention ed in books.
- (5) C. H. K. wrives: I have a bell weighing probably 1,000 pounds, that has cracked from the mouth or rim upward some 14 inches. Can I save it and retain its original tone by drilling at end of crack and sawing out? A. Drill a quarter inch hole at the end of the crack, and saw the crack open, so that the vibrations will not produce a contact of the edges This will change the tone of the bell. It must be struck on the opposite side from the crack.
- (6) H. P. S. writes: I have in use a number of paper lamp shades for coal oil lamps which are yellow and sooty on the inside, but otherwise good Is there any white composition with which I can paint the inside so as to increase the reflection? A. An oxide of zinc paint might be used. Cannot white cardboard be pasted on the inside of the shade?
- (7) M. W. C. asks: 1. How can I take the rust from a tin lantern and make it bright? A. If the rust is not too deep, it can possibly be removed by treating with kerosene oil, or mix the oil and rub with a little rouge. 2. I have an electric lamp, and every few nights after putting it out the chimney breaks. Can you tell me how to prevent it? A. Anneal the glass by putting into cold water and gradually heating until boiling, then cool. 3. How can I flavor home made chew ing to bacco and make it sweet? A. Use glycerine.
- (8) E. D. A. asks the specific gravity of linseed and cottonseed oil. Also, the boiling degree and probable adulteration. A. Linseed oil has a gravity of 0.93515, and boils at 600° Fah. The gravity of cottonseed oil is 0.9306. Both are extensively adulterated, the former with the latter, and also with resin oil, fish oil, and others. The percentage of adulteration can only be generally estimated.
- (9) H. F. S. asks (1) how to wind an work without one. A. The primary of a telephone induction coil is wound with No. 18 to No. 24 wire to a resistance of 1/2 ohm. The secondary is wound around this with No. 36 wire and a resistance of 80 ohms. A telephone will work without one, but not so satisfactofor long distances. 2. What effect has an induction coil on a telephone line, and how is the difference effected? A. The induction coil generates a line current of high tension and small quantity, which is not affected by resistance to the same extent that a battery current would be. The result is effected by the inductive action of the primary on the secondary.
- (10) O. P. asks which travels the faster, light or electricity, and at what rate per second? A. Electricity under favorable circumstances has been found to travel at the rate of 288,000 miles per second. Light travels at 190,000 miles per second. Under less favorable circumstances, electricity travels with com-
- (11) F. B. asks how to make a paste harness blacking. A. Dissolve by heat 4 ounces glue or gelatine and 3 ounces gum arabic in ¾ pint of water; add 7 ounces molasses and 5 ounces ivory black in very

fine powder, gently evaporate until of proper consistence when cold, stirring all the time. Keep in c bottles.

- (12) S. S. H. writes: I want to find out the best wash or lotion for tightening the wrinkled skin on hands and face. A. Take of oil of almonds 4 ounces avoirdupois, hog's lard 3 ounces, spermaceti 1 ounce; melt, add of expressed juice of horse leek 3 Imperial fluid ounces, and stir till the mixture solidifies by cooling. A few drops of lavender or eau de cologne are added to scent the mixture.
- (13) W. L. R. asks how to make a powder for silver plating. By simply moistening it, it gives a good plating. A. Mix 1 part chloride of silver with 3 parts pearl ash, 11/2 part common salt, and 1 part whiting, and rub the mixture on the surface of brass or copper (previously well cleaned), by means of a piece of soft leather or a cork moistened with water and dip
- (14) W. I. asks: How am I to separate the gelatine contained in meat? For instance, I take a certain quantity of beef, and boil it down; How am I to get rid of the gelatine in the concentrated product? A. determining the power exercised by an elbow joint On a small scale, the gelatine can be precipitated by press. A. Let A B C be the elbow joint system. alcohol, or for manufacturing purposes see the U.S. Measure the distances A C, A d, and d B. These will of Dispensatory under title of extract of meat, where the entire method of manufacture is given.

(15) C. De V. asks how bottlers fine their liquids so that they will not be cloudy. A. For this purpose 1 ounce isinglass is put into 1 quart weak vinegar or, still better, hard beer, and when dissolved, a sufficient quantity of good beer may be added to

used for other drinks besides beer, dilute with the special drink which it is desired to fine. Bottling machinery and carbonic acid generators are made a specialty by a number of firms.

## INDEX OF INVENTIONS

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May 17, 1887,

## AND EACH BEARING THAT DATE.

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

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Cutter. See Lawn cutter. Sheet metal scroll cutter.  Oyclometer, M. H. Downes  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway  Damping machine, F. L. & S. G. Goss  Dental engine, W. W. Grant  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace  Digger. See Potato digger.  Dish drainer, C. C. Cannom  Distilling wood, apparatus for, E. J. Burrell  Door hanger, J. Charlton  Door securer, H. F. Keil  Drawer, J. W. R. Johnson  Drawing table, Kidder & Long  Drug mixing machine, M. J. Jones	363,218 363,346 363,326 363,152 363,101 363,045 363,143 363,148 363,145 363,242 363,339 363,154 363,154 363,154
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dential flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.	363,218 363,346 363,326 363,152 363,161 363,045 363,133 362,937 363,148 363,145 363,242 363,339 363,151 363,030
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway  Damping machine, F. L. & S. G. Goss  Dental engine, W. W. Grant  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace  Digger. See Potato digger.  Dish drainer, C. C. Cannom  Distilling wood, apparatus for, E. J. Burrell  Door hanger, J. Charlton  Door hanger, J. H. Lawrence  Door securer, H. F. K eil  Drawing table, Kidder & Long  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones  Ear stud, F. Wessel  Eaves trough angle or miter, L. M. Bowers	363,218 363,346 363,326 363,152 363,152 363,101 363,045 363,313 362,937 363,148 363,145 363,242 363,339 363,154 362,971 363,040
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Gyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dential flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.	363,346 363,326 363,326 363,152 363,101 363,045 363,313 362,987 363,148 363,242 363,339 363,154 363,339 363,040 363,030 363,044
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, Kidder & Long.  Drawing tayle, T. W. Mann.  Drug mixing machine, M. J. Jones  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers  Electric generator, self-exciting alternate current, J. W. Easton.  Electric lighting systems, indicator for. W. J.	363,218 363,346 363,326 363,326 363,152 363,151 363,045 363,148 363,145 363,242 363,343 363,343 363,343 363,034 363,034
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, Kidder & Long.  Drawing tayle, T. W. Mann.  Drug mixing machine, M. J. Jones  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers  Electric generator, self-exciting alternate current, J. W. Easton.  Electric lighting systems, indicator for. W. J.	363,218 363,346 363,326 363,326 363,152 363,151 363,045 363,148 363,145 363,242 363,343 363,343 363,343 363,034 363,034
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Gyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric machine, dynamo, J. W. Easton.	363,218 363,346 363,326 363,326 363,152 363,151 363,045 363,148 363,145 363,242 363,343 363,343 363,343 363,034 363,034
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric lighting systems, indicator for. W. J.  Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.	363,246 363,326 363,326 363,152 363,152 363,101 363,045 363,148 363,145 363,242 363,333 363,044 363,044 363,126
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Gyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric machine, dynamo, J. W. Easton.	363,218 363,346 363,326 363,252 363,152 363,152 363,148 363,145 363,242 363,343 363,154 363,242 363,354 363,242 363,354 363,242 363,354 363,154 363,154 363,154
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, Kidder & Long.  Drawing taule, Kidder & Long.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric lighting systems, indicator for. W. J. Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machines, method of and apparatus for detecting short circuits in dynamo, J. W.	363,218 363,346 363,326 363,1291 363,152 363,101 363,045 363,148 363,142 363,339 363,154 363,257 363,154 363,252 363,339 363,128
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, method of and apparatus for detecting short circuits in dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.	363,218 363,346 363,326 363,152 363,152 363,101 363,045 363,148 363,145 363,242 363,333 363,126 363,333 363,126 363,333 363,128
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machines, method of and apparatus for detecting short circuits in dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.	363,218 363,346 363,326 363,1291 363,152 363,101 363,045 363,148 363,142 363,339 363,154 363,030 363,044 363,126 363,128 363,129 363,127 363,185
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.	363,218 363,326 363,326 363,152 363,152 363,101 363,045 363,145 363,145 363,145 363,145 363,154 363,154 363,154 363,154 363,126 363,126 363,127 363,183
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, method of and apparatus for detecting short circuits in dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric motor, alternating current, E. Thomson.  Electric switch, E. Thomson.  Electrics witch, E. Thomson.	363,248 363,326 363,326 363,152 363,152 363,101 363,045 363,313 362,987 363,148 363,242 363,324 363,324 363,333 363,044 363,126 363,126 363,128 363,129 363,129 363,185 363,185
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace  Digger. See Potato digger.  Dish drainer, C. C. Cannom  Distilling wood, apparatus for, E. J. Burrell  Door hanger, J. Charlton  Door hanger, J. H. Lawrence  Door securer, H. F. Keil  Drawing table, Kidder & Long  Drawing table, Kidder & Long  Drawing table, Kidder & Long  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones  Ear stud, F. Wessel  Eaves trough angle or miter, L. M. Bowers  Electric generator, self-exciting alternate current, J. W. Easton  Electric machine, dynamo, J. W. Easton  Electric machine, dynamo, J. W. Easton  Electric machine, safety contact brush for dynamo, J. W. Easton  Electric motor, alternating current, E. Thomson  Electric switch, E. Thomson  Electrical switch, W. J. Hammer  Electrical switch, W. J. Hammer	363,218 363,346 363,326 363,1291 363,152 363,101 363,045 363,148 363,145 363,145 363,151 363,030 363,154 363,126 363,126 363,128 363,128
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric motor, alternating current, E. Thomson.  Electric motor, alternating current, E. Thomson.  Electrical matting, A. H. Freeman  Electrical switch, E. Thomson.  Electrical switch, W. J. Hammer.  Electrotypes, blackleading matrices for, E. A. Blake.	363,346 363,346 363,3291 363,152 363,152 363,101 363,045 363,148 363,145 363,145 363,339 363,154 363,039 363,044 363,126 363,126 363,128 363,129 363,129 363,133 363,123
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace  Digger. See Potato digger.  Dish drainer, C. C. Cannom  Distilling wood, apparatus for, E. J. Burrell  Door hanger, J. Charlton  Door hanger, J. H. Lawrence  Door securer, H. F. Keil  Drawing table, Kidder & Long  Drawing table, Kidder & Long  Drawing table, Kidder & Long  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones  Eaves trough angle or miter, L. M. Bowers  Electric generator, self-exciting alternate current, J. W. Easton  Electric machine, dynamo, J. W. Easton  Electric machine, dynamo, J. W. Easton  Electric machine, safety contact brush for dynamo, J. W. Easton  Electric motor, alternating current, E. Thomson  Electrical switch, E. Thomson  Electrical switch, W. J. Hammer  Electrotypes, blackleading matrices for, E. A. Blake  Elevator, G. M. Davis	363,246 363,326 363,327 363,152 363,152 363,148 363,145 363,145 363,242 363,339 363,154 363,030 363,044 363,126 363,127 363,183 363,129 363,183 363,183 363,183 363,183 363,183
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Gyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric motor, alternating current, E. Thomson.  Electric switch, E. Thomson.  Electrical switch, W. J. Hammer.  Electrotypes, blackleading matrices for, E. A.  Blake.  Elevators, automatic safety appliance for, E. J.	363,218 363,326 363,321 363,152 363,101 363,045 363,148 363,148 363,145 363,147 363,242 363,339 363,124 363,126 363,127 363,133 363,128
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric motor, alternating current, E. Thomson.  Electrical matting, A. H. Freeman.  Electrical switch, W. J. Hammer.  Electrical matting, A. H. Freeman.  Electrical switch, W. J. Hammer.  Electrous, automatic safety appliance for, E. J. Shaw.	363,218 363,326 363,321 363,152 363,101 363,045 363,148 363,148 363,145 363,147 363,242 363,339 363,124 363,126 363,127 363,133 363,128
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace  Digger. See Potato digger.  Dish drainer, C. C. Cannom  Distilling wood, apparatus for, E. J. Burrell  Door hanger, J. Charlton  Door hanger, J. H. Lawrence  Door securer, H. F. Keil  Drawing table, Kidder & Long  Drawing table, Kidder & Long  Drawing table, Kidder & Long  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones  Eaves trough angle or miter, L. M. Bowers  Electric generator, self-exciting alternate current, J. W. Easton  Electric ighting systems, indicator for. W. J. Hammer  Electric machine, dynamo, J. W. Easton  Electric machine, safety contact brush for dynamo, J. W. Easton  Electric machine, safety contact brush for dynamo, J. W. Easton  Electric switch, E. Thomson  Electric switch, E. Thomson  Electric switch, W. J. Hammer  Electrotypes, blackleading matrices for, E. A. Blake  Elevators, automatic safety appliance for, E. J. Shaw  Engine. See Dental engine. Steam engine.	363,346 363,326 363,327 363,152 363,152 363,148 363,148 363,145 363,242 363,339 363,154 363,242 363,339 363,126 363,126 363,127 363,183 363,129 363,183 363,183 363,183 363,183 363,334
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Gyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric switch, E. Thomson.  Electrical switch, W. J. Hammer.  Electrical switch, W. J. Hammer.  Electrotypes, blackleading matrices for, E. A.  Blake.  Elevators, automatic safety appliance for, E. J.  Shaw.  Engine. See Dental engine. Steam engine.  Engine, S. Robinson.	363,218 363,326 363,326 363,101 363,045 363,133 363,148 363,142 363,339 363,154 363,339 363,128 363,128 363,128 363,129 363,129 363,183 363,129 363,183 363,129 363,183 363,129 363,183 363,129 363,183 363,129 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dential flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric motor, alternating current, E. Thomson.  Electrical matting, A. H. Freeman.  Electrical switch, W. J. Hammer.  Electros, automatic safety appliance for, E. A.  Blake.  Elevators, automatic safety appliance for, E. J.  Shaw.  Engine, S. Robinson.  Etching zine and other metal plates, L. W. Kipp.	363,218 363,326 363,326 363,101 363,045 363,133 363,148 363,142 363,339 363,154 363,339 363,128 363,128 363,128 363,129 363,129 363,183 363,129 363,183 363,129 363,183 363,129 363,183 363,129 363,183 363,129 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183 363,183
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Gyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric ighting systems, indicator for. W. J. Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric switch, E. Thomson.  Electrical switch, W. J. Hammer.  Electrical switch, W. J. Hammer.  Electrotypes, blackleading matrices for, E. A. Blake.  Elevators, automatic safety appliance for, E. J. Shaw.  Engine. See Dental engine. Steam engine.  Engine, S. Robinson.  Ecting Stractor. See Tobacco plug extractor.  Eyeglass, M. C. Brackett.	363,218 363,326 363,326 363,101 363,045 363,133 363,148 363,148 363,145 363,145 363,154 363,252 363,154 363,126 363,128 363,128 363,129 363,129 363,121 363,333 363,129 363,129 363,129 363,129 363,127 363,185 363,127 363,185 363,127 363,185 363,127 363,121 363,320 363,334
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway  Damping machine, F. L. & S. G. Goss  Dental engine, W. W. Grant  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace  Digger. See Potato digger.  Dish drainer, C. C. Cannom  Distilling wood, apparatus for, E. J. Burrell  Door hanger, J. Charlton  Door hanger, J. H. Lawrence  Door securer, H. F. Keil  Drawer, J. W. R. Johnson  Drawing table, Kidder & Long  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones  Ear stud, F. Wessel  Eaves trough angle or miter, L. M. Bowers  Electric generator, self-exciting alternate current, J. W. Easton  Electric machine, dynamo, J. W. Easton  Electric machines, method of and apparatus for detecting short circuits in dynamo, J. W. Easton  Electric machine, asfety contact brush for dynamo, J. W. Easton  Electric motor, alternating current, E. Thomson  Electrical matting, A. H. Freeman  Electrical switch, W. J. Hammer  Electrical matting, A. H. Freeman  Electrical switch, W. J. Hammer  Electrical matting, S. H. Freeman  Electrical matting, S. H. Freeman  Electrical matting, S. H. Freeman  Electrical switch, W. J. Hammer  Electrical matting, S. Robinson  Electrical switch, W. J. Hammer  Electrical matting, S. Robinson	363,346 363,326 363,152 363,152 363,161 363,148 363,148 363,142 363,339 363,154 362,957 363,154 363,126 363,126 363,128 363,129 363,127 363,185 363,183 363,123 363,123 363,123 363,124 363,125 363,127 363,135 363,127 363,135 363,127 363,135 363,127 363,135 363,127 363,127 363,127 363,127 363,127 363,127 363,127 363,127 363,127 363,127 363,127
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway  Damping machine, F. L. & S. G. Goss  Dental engine, W. W. Grant  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace  Digger. See Potato digger.  Dish drainer, C. C. Cannom  Distilling wood, apparatus for, E. J. Burrell  Door hanger, J. Charlton  Door hanger, J. H. Lawrence  Door securer, H. F. K eil  Drawing table, Kidder & Long  Drawing table, Kidder & Long  Drawing table, Kidder & Long  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones  Eaves trough angle or miter, L. M. Bowers  Electric generator, self-exciting alternate current, J. W. Easton  Electric machine, dynamo, J. W. Easton  Electric machine, method of and apparatus for detecting short circuits in dynamo, J. W. Easton  Electric machine, safety contact brush for dynamo, J. W. Easton  Electric machine, safety contact brush for dynamo, J. W. Easton  Electric switch, E. Thomson  Electric switch, E. Thomson  Electric switch, E. Thomson  Electrical switch, W. J. Hammer  Electrotypes, blackleading matrices for, E. A. Blake  Elevator, G. M. Davis  Elevators, automatic safety appliance for, E. J. Shaw  Electric see Dental engine. Steam engine.  Engine, See Dental engine. Steam engine.  Engine, See Dental engine. Steam engine.  Engine, See Donson  Etching zinc and other metal plates, L. W. Kipp  Extractor. See Tobacco plug extractor.  Eyeglasses, M. C. Brackett  Eyeglasses, manufacture of cases for, W. B. White	363,218 363,346 363,326 363,152 363,152 363,148 363,242 363,339 363,154 363,242 363,339 363,154 363,126 363,126 363,127 363,183 363,127 363,183 363,123 363,127 363,183 363,123 363,127 363,183 363,123 363,127 363,183 363,123
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Gyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. K eil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machines, method of and apparatus for detecting short circuits in dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric awitch, E. Thomson.  Electrical switch, E. Thomson.  Electrical switch, W. J. Hammer.  Electrical switch, S. Robinson.  Electric See Dental engine. Steam engine.  Engine, S. Robinson.  Ecthing zinc and other metal plates, L. W. Kipp.  Extractor. See Tobacco plug extractor.  Eyeglasses, manufacture of cases for, W. B.  White.  Eyelet tape, W. Pretty, Jr.	363,346 363,326 363,326 363,101 363,045 363,148 363,148 363,145 363,151 363,030 363,044 363,126 363,333 363,128 363,127 363,183 363,127 363,183 363,127 363,183 363,290 363,332 363,291 363,321 363,321
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway  Damping machine, F. L. & S. G. Goss  Dental engine, W. W. Grant  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace  Digger. See Potato digger.  Dish drainer, C. C. Cannom  Distilling wood, apparatus for, E. J. Burrell  Door hanger, J. Charlton  Door hanger, J. H. Lawrence  Door securer, H. F. Keil  Drawer, J. W. R. Johnson  Drawing table, Kidder & Long  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones  Ear stud, F. Wessel  Eaves trough angle or miter, L. M. Bowers  Electric generator, self-exciting alternate current, J. W. Easton  Electric machine, dynamo, J. W. Easton  Electric machine, dynamo, J. W. Easton  Electric machine, safety contact brush for dynamo, J. W. Easton  Electric motor, alternating current, E. Thomson  Electrical matting, A. H. Freeman  Electrical switch, E. Thomson  Electrical switch, W. J. Hammer  Electrical matting, A. H. Freeman  Electrical switch, W. J. Hammer  Electrical matting, A. H. Freeman  Electrical switch, W. J. Hammer  Electrical switch, W. J. Hammer  Electrical matting, A. H. Freeman  Electrical matting, A. H. Freeman  Electrical matting, A. H. Freeman  Electrical switch, W. J. Hammer  Electrical matting, A. H. Freeman  Electrical matting, A. H. Freeman  Electrical matting, A. H. Freeman  Electrical matting, A. H. Freeman.	363,218 363,326 363,321 363,152 363,101 363,045 363,148 363,148 363,142 363,242 363,339 363,154 363,126 363,126 363,128 363,129 363,129 363,121 363,125 363,133 363,127 363,135 363,127 363,135 363,127
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric lighting systems, indicator for. W. J.  Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, aftery contact brush for dynamo, J. W. Easton.  Electric machine, alternating current, E. Thomson.  Electrical matting, A. H. Freeman.  Electrical switch, W. J. Hammer.  Electri	363,346 363,346 363,346 363,152 363,101 363,045 363,148 363,145 363,145 363,154 363,154 363,154 363,154 363,126 363,126 363,128 363,129
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Gyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric ighting systems, indicator for. W. J. Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machines, method of and apparatus for detecting short circuits in dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric awitch, E. Thomson.  Electrical switch, E. Thomson.  Electrical switch, W. J. Hammer.  Electrical switch, See Dobaco plug extractor. See Dental engine. Steam engine.  Engine, S. Robinson.  Etching zinc and other metal plates, L. W. Kipp.  Extractor. See Tobacco plug extractor.  Eyeglasses, manufacture of cases for, W. B.  White.  Eyelet tape, W. Pretty, Jr.  Farm gate, A. C. Baumwart.  Faucet, weighing, T. J. Black	363,218 363,326 363,326 363,101 363,045 363,133 362,937 363,148 363,142 363,339 363,154 363,339 363,126 363,127 363,128 363,129 363,127 363,183 363,129 363,127 363,121 363,332 363,290 363,685 362,974 363,201 363,201 363,201 363,201 363,201 363,201 363,201 363,201
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, Kidder & Long.  Drawing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric lighting systems, indicator for. W. J.  Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, aftery contact brush for dynamo, J. W. Easton.  Electric motor, alternating current, E. Thomson.  Electrical matting, A. H. Freeman.  Electrical switch, W. J. Hammer.  Electrical switch, W. J. Hammer.  Electrical switch, W. J. Hammer.  Electrical matting, A. H. Freeman.  Electrical matting,	363,346 363,346 363,346 363,152 363,101 363,045 363,148 363,143 363,144 363,154 363,030 363,126 363,126 363,128 363,129 363,290 363,290 363,290 363,290
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, systems, indicator for. W. J. Hammer.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric awitch, E. Thomson.  Electrical matting, A. H. Freeman.  Electrical matting, A. H. Freeman.  Electrical switch, W. J. Hammer.  Electrotypes, blackleading matrices for, E. A. Blake.  Elevators, automatic safety appliance for, E. J. Shaw.  Elevators, automatic safety appliance for, E. J. Shaw.  Elevator, G. M. Davis.  Elevators, See Dental engine. Steam engine.  Engine, S. Robinson.  Etching zine and other metal plates, L. W. Kipp.  Extractor. See Tobacco plug extractor.  Eyeglasses, manufacture of cases for, W. B. White.  Eyelet tape, W. Pretty, Jr.  Farm gate, A. C. Baumwart.  Faucet, weighing, T. J. Black.  Feed rack, D. W. Shorter.  Feeder, coagulant, J. W. Hyatt.  Feeder, coagulant, J. W. Hyatt.	363,218 363,326 363,326 363,152 363,101 363,045 363,148 363,148 363,145 363,242 363,339 363,154 363,030 363,126 363,126 363,127 363,183 363,128 363,129 363,127 363,183 363,292 363,334 362,927 363,183 363,293 363,302 363,302 363,302 363,302 363,302 363,302 363,302 363,302 363,302 363,302 363,302 363,302 363,302 363,302 363,303 363,201
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric lighting systems, indicator for. W. J. Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric switch, E. Thomson.  Electrical switch, W. J. Hammer.  Electrotypes, blackleading matrices for, E. A. Blake.  Elevators, automatic safety appliance for, E. J. Shaw.  Engine. See Dental engine. Steam engine.  Engine. See Dohaco plug extractor.  Eyeglasses, manufacture of cases for, W. B. White.  Eyeglasses, manufacture of cases for, W. B. White.  Eyeglasses, manufacture of cases for, W. B. White.  Eyeglasses, manufacture of cases for, W. B. Cyelt tape, W. Pretty, Jr.  Farm gate, A. C. Baumwart.  Fauce, meighing, T. J. Black  Feeder, coagulant, J. W. Hyatt.  Felt, manufacture of, A. Dolge.	363,218 363,326 363,326 363,101 363,045 363,133 363,148 363,148 363,145 363,145 363,146 363,146 363,126 363,127 363,128 363,129 363,129 363,129 363,129 363,120 363,201
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric lighting systems, indicator for. W. J.  Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, aftery contact brush for dynamo, J. W. Easton.  Electric motor, alternating current, E. Thomson.  Electrical matting, A. H. Freeman.  Electrical matting, A. H. Seam engine.  Elevators, automatic safety appliance for, E. A.  Blake.  Elevators, automatic safety appliance for, E. J.  Shaw.  Engine, S. Robinson.  Engine, S. Robinson.  Engine, S. Robinson.  Ergelasses, manufacture of cases for, W. B.  White.  Eyeglasses, M. C. Brackett.  Eyeglasses, M. C. Brackett.  Faucet, weighing, T. J. Black  Feed rack, D. W. Shorter  Feeder, coagulant, J. W. Hyatt  Felt, manufacture of, A. Dolge.  Fence machine, G. J. Cline.	363,218 363,326 363,152 363,152 363,153 363,148 363,148 363,143 363,143 363,154 363,154 363,154 363,126 363,126 363,128 363,129 363,129 363,129 363,129 363,120 363,217 363,334 362,971 363,302 363,334 362,974 363,201 363,203 363,309 362,966 363,217 363,350 362,988 363,363
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace  Digger. See Potato digger.  Dish drainer, C. C. Cannom  Distilling wood, apparatus for, E. J. Burrell  Door hanger, J. Charlton  Door hanger, J. H. Lawrence  Door securer, H. F. Keil  Drawing table, Kidder & Long  Drawing table, Kidder & Long  Drawing table, Kidder & Long  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones  Eaves trough angle or miter, L. M. Bowers  Electric generator, self-exciting alternate current, J. W. Easton  Electric machine, dynamo, J. W. Easton  Electric machine, dynamo, J. W. Easton  Electric machine, safety contact brush for dynamo, J. W. Easton  Electric awitch, E. Thomson  Electrical matting, A. H. Freeman  Electrical matting, A. H. Freeman  Electrical switch, W. J. Hammer  Electrical switch, W. J. Hammer  Electrical switch, W. J. Hammer  Electrotypes, blackleading matrices for, E. A. Blake  Elevators, automatic safety appliance for, E. J. Shaw  Elevators, automatic safety appliance for, E. J. Shaw  Elevators, See Dental engine. Steam engine.  Engine, See Tobacco plug extractor.  Eyeglasses, manufacture of cases for, W. B. White  Eyelet tape, W. Pretty, Jr. Farm gate, A. C. Baumwart  Faucet, weighing, T. J. Black  Feed rack, D. W. Shorter  Feeder, coagulant, J. W. Hyatt  Feeder, coagulant, J. W. Hyatt  Feeder, coagulant, J. W. Hyatt	363,218 363,326 363,326 363,152 363,152 363,148 363,145 363,242 363,339 363,154 363,242 363,339 363,126 363,3126 363,127 363,183 363,128 363,129 363,127 363,183 363,129 363,127 363,183 363,221 363,221 363,302 363,303
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Gyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric lighting systems, indicator for. W. J. Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machines, method of and apparatus for detecting short circuits in dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, Safety contact brush for dynamo, J. W. Easton.  Electric machine, Safety contact brush for dynamo, J. W. Easton.  Electric switch, E. Thomson.  Electrical switch, W. J. Hammer.  Electrotypes, blackleading matrices for, E. A. Blake.  Elevators, automatic safety appliance for, E. J. Shaw.  Engine. See Dental engine. Steam engine.  Engine, S. Robinson.  Ecthing zinc and other metal plates, L. W. Kipp.  Extractor. See Tobacco plug extractor.  Eyeglasses, manufacture of cases for, W. B. White.  Eyeglasses, manufacture of cases for, W. B. White.  Eyeglasses, manufacture of cases for, W. B. White.  Eyeglasses, manufacture of cases for, W. B. Ferne gate, D. W. Hoore.  Fence machine, G. J. Cline.  Fence tirhtener, Wire, L. A. Butts.	363,218 363,326 363,321 363,152 363,101 363,045 363,148 363,142 363,143 363,154 363,154 363,154 363,154 363,126 363,128 363,128 363,129 363,129 363,129 363,120 363,201 363,333 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway  Damping machine, F. L. & S. G. Goss  Dental engine, W. W. Grant  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace  Digger. See Potato digger.  Dish drainer, C. C. Cannom  Distilling wood, apparatus for, E. J. Burrell  Door hanger, J. Charlton  Door hanger, J. H. Lawrence  Door securer, H. F. Keil  Drawer, J. W. R. Johnson  Drawing table, Kidder & Long  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones  Ear stud, F. Wessel  Eaves trough angle or miter, L. M. Bowers  Electric generator, self-exciting alternate current, J. W. Easton  Electric machine, dynamo, J. W. Easton  Electric machine, dynamo, J. W. Easton  Electric machine, safety contact brush for dynamo, J. W. Easton  Electric motor, alternating current, E. Thomson  Electrical matting, A. H. Freeman  Electrical switch, W. J. Hammer  Electrical matting, A. H. Freeman  Electrical switch, W. J. Hammer  Electrical matting, A. H. Freeman  Electrical matting, A. H. Freeman  Electrical matting, A. H. Freeman  Electrical switch, W. J. Hammer  Electrical matting, S. Robinson  Electrical switch, W. J. Hammer  Electrical switch, W. J. Hammer  Electrical matting, A. H. Freeman  Electrical switch, W. J. Hammer  Electrical matting, S. Robinson  Electrical matting, A. H. Freeman  Electrical matting, A. H. Freeman  Electrical switch, W. J. Hammer  Electrotypes, blackleading matrices for, E. A. Blake  Eleyalet A. C. Baumwart  Farm gate, A. C. Baumwart  Farm gate, A. C. Baumwart  Farne gate, A. C. Baumwart  Fare, soon, J.	363,218 363,326 363,313 363,313 363,313 363,148 363,148 363,143 363,149 363,152 363,154 363,242 363,333 363,126 363,126 363,126 363,127 363,185 363,183 363,129 363,121 363,021 363,021 363,021 363,021 363,021 363,021 363,021 363,021 363,021 363,031
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Gyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. K eil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric ighting systems, indicator for. W. J. Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machines, method of and apparatus for detecting short circuits in dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric awitch, E. Thomson.  Electrical switch, E. Thomson.  Electrical switch, W. J. Hammer.  Electrical switch, S. Robinson.  Electrical switch, S. Robinson.  Electrical since and other metal plates, L. W. Kipp.  Extractor, See Dental engine. Steam engine.  Engine, S. Robinson.  Ecthing zinc and other metal plates, L. W. Kipp.  Extractor. See Tobacco plug extractor.  Eyeglasses, manufacture of cases for, W. B. White.  Eyelet tape, W. Pretty, Jr.  Farm gate, A. C. Baumwart.  Faucet, weighing, T. J. Black  Feed rack, D. W. Shorter.  Feeder, coagulant, J. W. Hyatt.  Felt, manufacture of, A. Dolge.  Fence and water gate, combined, F. D. Wilson.  Fence, flood, P. H. More  Fence machine, G. J. Cline.  Fence machine, G. J. Cline.  Fence itsrthener, wire, L. A. Butts  Fence, wire, J. G. Schiller.  Fercilier distributor and seed drill, combined, C.  D. Daniels	363,346 363,326 363,326 363,152 363,101 363,045 363,148 363,143 363,145 363,154 363,154 363,154 363,126 363,333 363,128 363,128 363,127 363,183 363,128 363,129 363,129 363,120 363,231 363,201
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric lighting systems, indicator for. W. J. Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric motor, alternating current, E. Thomson.  Electric switch, E. Thomson.  Electrical switch, W. J. Hammer.  Electrical switch, W. J. Hammer.  Electrotypes, blackleading matrices for, E. A. Blake.  Elevators, automatic safety appliance for, E. J. Shaw.  Engine. See Dental engine. Steam engine.  Engine, S. Robinson.  Etching zinc and other metal plates, L. W. Kipp.  Extractor. See Tobacco plug extractor.  Eyeglasses, manufacture of cases for, W. B. White.  Eyeglasses, manufacture of cases for, W. B. Cyelet tape, W. Pretty, Jr.  Farm gate, A. C. Baumwart.  Faucet, weighing, T. J. Black  Feeder, coagulant, J. W. Hyatt.  Felt, manufacture of, A. Dolge.  Fence machine, G. J. Cline.  Fence, metallic, W. W. Hamilton.  Fence tichener, wire, L. A. Buts.  Fence, metallic, W. W. Hamilton.  Fence ichhener, wire, L. A. Buts.  Fence, metallic, W. W. Hamilton.  Fence ichhener, wire, L. A. Buts.  Fence, metallic, W. W. Hamil	363,218 363,326 363,326 363,131 363,148 363,148 363,148 363,148 363,149 363,149 363,149 363,151 363,030 363,120 363,120 363,120 363,121 363,120 363,121 363,120 363,121 363,120 363,121 363,217 363,211 363,217 363,211 363,217 363,218
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace  Digger. See Potato digger.  Dish drainer, C. C. Cannom  Distilling wood, apparatus for, E. J. Burrell  Door hanger, J. Charlton  Door hanger, J. H. Lawrence  Door securer, H. F. K eil  Drawing table, Kidder & Long  Drawing table, Kidder & Long  Drawing table, Kidder & Long  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones  Ear stud, F. Wessel  Eaves trough angle or miter, L. M. Bowers  Electric generator, self-exciting alternate current, J. W. Easton  Electric lighting systems, indicator for. W. J. Hammer  Electric machine, dynamo, J. W. Easton  Electric machine, smethod of and apparatus for detecting short circuits in dynamo, J. W. Easton  Electric machine, safety contact brush for dynamo, J. W. Easton  Electric switch, E. Thomson  Electric switch, E. Thomson  Electric switch, E. Thomson  Electric switch, W. J. Hammer  Electrotypes, blackleading matrices for, E. A. Blake  Elevator, G. M. Davis  Elevators, automatic safety appliance for, E. J. Shaw  Engine. See Dental engine. Steam engine.  Engine, S. Robinson  Etching zinc and other metal plates, L. W. Kipp  Extractor. See Tobacco plug extractor  Eyeglass, M. C. Brackett  Eyeglasses, manufacture of cases for, W. B. White  Eyelet tape, W. Pretty, Jr  Farm gate, A. C. Baumwart  Feeder, coagulant, J. W. Hyatt  Feeder, coagulant, J. W. Hyatt  Feeder, coagulant, J. W. Hyatt  Feeder, weighing, T. J. Black  Feeder, coagulant, J. W. Hyatt  Feeder, coagulant, J. W. Hyatt  Feeder, weighing, T. J. Black  Feence, metallic, W. W. Hamilton  Fence, metallic, W. W. Hamilton  Fence, etishtener, wire, L. A. Butts  Ferne, weter, W. H. Cummings	363,218 363,326 363,3213 363,326 363,313 362,937 363,148 363,242 363,339 363,151 363,030 363,126 363,126 363,127 363,183 363,128 363,129 363,129 363,129 363,129 363,120 363,127 363,185 363,127 363,185 363,127 363,185 363,183 362,974 363,02 363,344 363,02 363,085 362,974 363,085 362,974 363,085 362,974 363,085 362,974 363,085 362,974 363,085 362,974 363,085 362,974 363,085 362,974 363,085 362,974 363,085 362,974 363,085 362,974 363,085 362,983 363,297 363,183 363,089 362,988 363,297 363,314 363,083
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Gyclometer, M. H. Downes.  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway.  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric ighting systems, indicator for. W. J. Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machines, method of and apparatus for detecting short circuits in dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric awitch, E. Thomson.  Electrical switch, E. Thomson.  Electrical switch, W. J. Hammer.  Electrical switch, S. Robinson.  Electric signer. See Dental engine. Steam engine.  Engine, S. Robinson.  Ecthing zine and other metal plates, L. W. Kipp.  Extractor. See Tobacco plug extractor.  Eyeglasses, manufacture of cases for, W. B. White.  Eyelet tape, W. Pretty, Jr.  Farm gate, A. C. Baumwart.  Faucet, weighing, T. J. Black  Feed rack, D. W. Shorter.  Feeder, coagulant, J. W. Hyatt  Felt, manufacture of, A. Dolge.  Fence, metallic, W. W. Hamilton.  Fence ightener, wire, L. A. Butts  Fence, metallic, W. W. Hamilton.  Fence tightener, wire, L. A. Butts  Fence, metallic, W. W. Hamilton.  Fercetiizer distributor and seed drill, combined, C.  D. Daniels.  Fifth wheel, H. Hafker.  Filter, water, W. H. Cummings.  Filtering, H. Stockheim.	363,326 363,326 363,326 363,152 363,152 363,148 363,148 363,143 363,154 363,154 363,154 363,126 363,333 363,128 363,127 363,183 363,127 363,183 363,290 363,63 363,333 363,290 363,63 363,302 363,302 363,303 363,302 363,303
Cutter. See Lawn cutter. Sheet metal scroll cutter.  Cyclometer, M. H. Downes  Damper regulator fcr furnaces, stoves, etc.; automatic, C. L. Ridgway  Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace  Digger. See Potato digger.  Dish drainer, C. C. Cannom  Distilling wood, apparatus for, E. J. Burrell  Door hanger, J. Charlton  Door hanger, J. H. Lawrence  Door securer, H. F. K eil  Drawing table, Kidder & Long  Drawing table, Kidder & Long  Drawing table, Kidder & Long  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones  Ear stud, F. Wessel  Eaves trough angle or miter, L. M. Bowers  Electric generator, self-exciting alternate current, J. W. Easton  Electric lighting systems, indicator for. W. J. Hammer  Electric machine, dynamo, J. W. Easton  Electric machine, smethod of and apparatus for detecting short circuits in dynamo, J. W. Easton  Electric machine, safety contact brush for dynamo, J. W. Easton  Electric switch, E. Thomson  Electric switch, E. Thomson  Electric switch, E. Thomson  Electric switch, W. J. Hammer  Electrotypes, blackleading matrices for, E. A. Blake  Elevator, G. M. Davis  Elevators, automatic safety appliance for, E. J. Shaw  Engine. See Dental engine. Steam engine.  Engine, S. Robinson  Etching zinc and other metal plates, L. W. Kipp  Extractor. See Tobacco plug extractor  Eyeglass, M. C. Brackett  Eyeglasses, manufacture of cases for, W. B. White  Eyelet tape, W. Pretty, Jr  Farm gate, A. C. Baumwart  Feeder, coagulant, J. W. Hyatt  Feeder, coagulant, J. W. Hyatt  Feeder, coagulant, J. W. Hyatt  Feeder, weighing, T. J. Black  Feeder, coagulant, J. W. Hyatt  Feeder, coagulant, J. W. Hyatt  Feeder, weighing, T. J. Black  Feence, metallic, W. W. Hamilton  Fence, metallic, W. W. Hamilton  Fence, etishtener, wire, L. A. Butts  Ferne, weter, W. H. Cummings	363,218 363,326 363,326 363,131 363,148 363,148 363,148 363,148 363,149 363,151 363,030 363,120 363,120 363,127 363,183 363,129 363,121 363,120 363,127 363,183 363,127 363,183 363,129 363,121 363,201

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Caster, furniture, R. Claughton	<b>363,047</b>	Glass melting furnace and regenerator, F. Heintz 3	
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Shaft coupling. Thill coupling. Crate, folding, E. B. Merritt	363,077	Hat felting machine, J. C. Grant	
Crimping machine, J. W. D. Fifield		Heater. See Car heater. Vehicle heater. Water heater.	
Cultivators, attachment for wheel, W. R. Brown Cup. See Grease cup.	363,278	Heddle for cross weaving, C. A. Littlefield	363,072
Cut-off, adjustable, W. F. Parish Cutter. See Lawn cutter. Sheet metal scroll cut-		Baloun	
ter. Cyclometer, M. H. Downes		Hoisting apparatus, C. R. Traxler	
Damper regulator for furnaces, stoves, etc.; auto-		Holder. See Bag holder. Book holder. Card	•
matic, C. L. Ridgway	363.346		
matic, C. L. Ridgway  Damping machine, F. L. & S. G. Goss  Dental engine, W. W. Grant	363,326	holder. Music and book holder. Music or pa- per holder. Pencil and crayon holder. Spool	
Damping machine, F. L. & S. G. Goss  Dental engine, W. W. Grant  Dental flasks, etc., press for, M. M. Maine	363,326 363,291 363,152	holder. Music and book holder. Music or pa- per holder. Pencil and crayon holder. Spool holder. Hoof trimming machine, ft. Parrish	363 <b>,</b> 25 <b>6</b>
Damping machine, F. L. & S. G. Goss  Dental engine, W. W. Grant	363,326 363,291 363,152 363,101	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,139
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace  Digger. See Potato digger.  Dish drainer, C. C. Cannom  Distilling wood, apparatus for, E. J. Burrell	363,326 363,291 363,152 363,101 363,045 363,313	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,139 363,225 363,165
Damping machine, F. L. & S. G. Goss	363,326 363,291 363,152 363,101 363,045 363,313 362,987 363,148	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,139 363,225 363,165 362,964 363,248
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.	363,326 363,291 363,152 363,101 363,045 363,313 362,937 363,148 363,145 363,242	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, ß. Parrish	363,139 363,225 363,165 362,364 363,248 363,307
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.	363,326 363,291 363,152 363,101 363,045 363,313 362,987 363,148 363,145 363,242 363,339 363,154	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,139 363,225 363,165 362,964 363,248 363,307 363,067 363,076
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell  Door hanger, J. Charlton  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil  Drawer, J. W. R. Johnson  Drawing table, Kidder & Long	363,326 363,291 363,152 363,101 363,045 363,313 362,937 363,148 363,145 363,242 363,339 363,154 362,971	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,139 363,225 363,165 362,964 363,248 363,307 363,067 363,076
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace  Digger. See Potato digger.  Dish drainer, C. C. Cannom  Distilling wood, apparatus for, E. J. Burrell  Door hanger, J. Charlton  Door hanger, J. H. Lawrence  Door securer, H. F. K eil  Drawing table, Kidder & Long  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones	363,326 363,291 363,152 363,101 363,045 363,313 362,987 363,148 363,145 363,242 363,353 363,154 363,242 363,353 363,154 363,030 363,044	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, ß. Parrish	363,139 363,225 363,165 362,964 363,248 363,307 363,067 363,076
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace	363,326 363,291 363,152 363,101 363,045 363,313 362,987 363,148 363,242 363,339 363,242 363,339 363,154 362,971 363,030 363,044 363,126	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,139 363,225 363,165 362,964 363,248 363,307 363,067 363,076
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace  Digger. See Potato digger.  Dish drainer, C. C. Cannom  Distilling wood, apparatus for, E. J. Burrell  Door hanger, J. Charlton  Door hanger, J. H. Lawrence  Door securer, H. F. Keil  Drawer, J. W. R. Johnson  Drawing table, Kidder & Long  Drawing table, T. W. Mann  Drug mixing machine, M. J. Jones  Ear stud, F. Wessel  Eaves trough angle or miter, L. M. Bowers  Electric generator, self-exciting alternate current, J. W. Easton  Electric lighting systems, indicator for. W. J. Hammer	363,326 363,291 363,152 363,101 363,045 363,313 362,987 363,148 363,145 363,242 363,242 363,233 363,154 362,971 363,030 363,044 363,126	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,139 363,225 363,165 363,248 363,307 363,067 363,076 363,004 363,182
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric lighting systems, indicator for. W. J. Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.	363,326 363,291 363,152 363,101 363,045 363,313 362,987 363,148 363,145 363,242 363,242 363,233 363,154 362,971 363,030 363,044 363,126	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,139 363,25 363,265 362,964 363,248 363,307 363,067 363,004 363,182 363,204 363,170 363,153
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace	363,326 363,291 363,152 363,162 363,313 362,987 363,148 363,145 363,145 363,145 363,145 363,242 363,339 363,154 363,030 363,044 363,126	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,139 363,225 363,165 363,964 363,248 363,307 363,067 363,004 363,182 363,204 363,153 363,143
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. Charlton.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, Kidder & Long.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric ighting systems, indicator for. W. J.  Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, snethod of and apparatus for detecting short circuits in dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.	363,326 363,291 363,152 363,101 363,045 363,313 362,987 363,145 363,145 363,242 363,339 363,154 362,971 363,030 363,154 363,242 363,333 363,126 363,126 363,128	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,139 363,225 363,165 362,964 363,248 363,307 363,076 363,076 363,182 363,182 363,183 363,143 363,143 362,926 363,276
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace	363,326 363,523 363,152 363,101 363,045 363,313 362,987 363,148 363,145 363,242 363,339 363,154 362,971 363,030 363,154 363,126 363,333 363,128 363,128 363,128 363,128	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,139 363,245 363,246 363,248 363,307 363,076 363,076 363,074 363,182 363,204 363,182 363,204 363,182
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace	363,326 363,523 363,152 363,101 363,045 363,313 362,987 363,145 363,242 363,324 363,324 363,153 363,154 363,126 363,333 363,126 363,332 363,128 363,128 363,128	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,133 363,245 362,946 363,967 363,076 363,076 363,076 363,076 363,102 363,103 363,153 363,153 363,153 363,266 363,276 363,076 363,076 363,076 363,276
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, smethod of and apparatus for detecting short circuits in dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric mathine, alternating current, E. Thomson.  Electrical matting, A. H. Freeman.  Electrical switch, W. J. Hammer.  Electrical switch, W. J. Hammer.  Electrical switch, W. J. Hammer.	363,326 363,291 363,152 363,101 363,045 363,313 362,987 363,145 363,242 363,3242 363,333 363,154 363,044 363,126 363,126 363,126 363,128 363,128 363,129 363,128 363,129 363,129 363,129 363,129 363,133 363,128	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,133 363,225 363,165 362,364 363,248 363,307 363,076 363,076 363,182 363,182 363,264 363,163 363,264 363,276 363,368 363,264 363,368 363,368 363,382 363,383
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace	363,326 363,523 363,152 363,101 363,045 363,313 362,987 363,148 363,145 363,242 363,539 363,154 362,971 363,030 363,126 363,126 363,128 363,128 363,128 363,123	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,133 363,245 363,165 363,264 363,204 363,207 363,007 363,007 363,007 363,103 363,163 363,163 363,204 363,204 363,206 363,266 363,266 363,368 363,368 363,368 363,368 363,368 363,368 363,368 363,368 363,368 363,368
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace	363,326 363,523 363,152 363,101 363,045 363,313 362,987 363,148 363,145 363,242 363,539 363,154 362,971 363,030 363,126 363,126 363,128 363,128 363,128 363,123	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,133 363,225 363,165 362,948 363,248 363,307 363,004 363,182 363,182 363,183 362,183 363,266 363,276 363,276 363,376 363,376 363,376 363,376 363,376 363,376
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric lighting systems, indicator for. W. J. Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machine, smethod of and apparatus for detecting short circuits in dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, alternating current, E. Thomson.  Electrical matting, A. H. Freeman.  Electrical switch, W. J. Hammer.  Electrical control of the second of the	363,326 363,523 363,152 363,101 363,045 363,313 362,987 363,148 363,242 363,339 363,154 363,242 363,339 363,154 363,126 363,126 363,126 363,128 363,128 363,128 363,129 363,123 363,123 363,123 363,123 363,123 363,123 363,123 363,123 363,123 363,123 363,123 363,123 363,123 363,123 363,123 363,123 363,123 363,123 363,133 363,133 363,233 363,333 363,333 363,333 363,332 363,332	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,133 363,225 363,165 362,364 363,248 363,307 363,076 363,076 363,004 363,182 363,182 363,263 363,263 363,163 363,263 363,363 363,161 363,363 363,363 363,163 363,363
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace	363,326 363,326 363,152 363,101 363,045 363,313 362,987 363,145 363,145 363,145 363,242 363,353 363,154 363,030 363,154 363,333 363,126 363,126 363,129 363,129 363,129 363,129 363,129 363,135 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,133 363,225 363,165 363,246 363,248 363,307 363,004 363,182 363,182 363,183 363,183 363,266 363,376 363,383 363,163 363,383 363,163 363,383 363,383 363,163 363,383 363,383 363,163 363,383 363,163 363,383 363,163 363,383 363,163
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace	363,326 363,523 363,152 363,045 363,313 362,987 363,148 363,145 363,242 363,339 363,154 362,971 363,030 363,126 363,127 363,183 363,128 363,127 363,183 363,129 363,183 363,290 363,334 362,927 363,121 363,302	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder. Pencil and crayon holder. Spool holder. Hoof trimming machine, R. Parrish	363,133 363,225 363,165 362,924 363,248 363,307 363,076 363,076 363,004 363,182 363,182 363,263 363,163 363,163 363,163 363,163 363,067 363,368 363,063 363,667 363,368 363,063 363,667 363,368 363,063 363,667 363,368 363,063 363,667 363,368
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace	363,326 363,523 363,163 363,163 363,145 363,145 363,242 363,333 363,154 363,126 363,126 363,126 363,126 363,127 363,128 363,128 363,123	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,133 363,225 363,165 363,264 363,207 363,007 363,004 363,182 363,182 363,183 363,264 363,183 363,264 363,183 363,265 363,161 363,066 363,264 363,066 363,265 363,161 363,066 363,265 363,161 363,066 363,266
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric lighting systems, indicator for. W. J. Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machine, smethod of and apparatus for detecting short circuits in dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric switch, E. Thomson.  Electrical matting, A. H. Freeman.  Electrical switch, W. J. Hammer.  Electrical ground and sparatus for, E. A. Blake.  Elevators, automatic safety appliance for, E. J. Shaw.  Engine. See Dental engine. Steam engine.  Engine, S. Robinson.  Extractor. See Tobacco plug extractor.  Eyeglasses, manufacture of cases for, W. B. White.  Eyeglet tape, W. Pretty, Jr.  Farm gate, A. C. Baumwart.  Farme, M. E. Blake.  Farme gate, A. C. Baumwart.  Farne, M. E. Blake.  Farmed gate, A. C. Baumwart.  Farne, M. E. Blake.  Farne, M. E. Blake.  Farne, J. Black.	963,326 363,291 363,191 363,045 363,101 363,045 363,133 362,987 363,145 363,242 363,154 363,242 363,303 363,154 363,126 363,126 363,126 363,128 363,129 363,290 363,334	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,133 363,225 363,165 363,264 363,207 363,007 363,004 363,182 363,182 363,183 363,264 363,183 363,264 363,183 363,265 363,161 363,066 363,264 363,066 363,265 363,161 363,066 363,265 363,161 363,066 363,266
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace	363,326 363,291 363,045 363,313 362,987 363,148 363,148 363,242 363,339 363,194 363,104 363,126 363,333 363,128 363,129 363,127 363,183 363,129 363,127 363,183 363,292 363,183 363,293 363,302 363,302 363,302 363,302 363,302 363,302 363,302 363,201 363,201 363,201 363,201 363,201 363,201	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,139 363,225 363,165 362,364 363,204 363,207 363,007 363,004 363,102 363,103 363,153 363,153 363,163 363,163 363,060 363,060 363,260 363,060 363,260 363,060 363,260 363,060
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace	363,326 363,231 363,045 363,133 362,987 363,145 363,242 363,333 363,145 363,242 363,333 363,126 363,133 363,128 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,133 363,225 363,165 362,364 363,248 363,307 363,076 363,076 363,004 363,182 363,264 363,276 363,276 363,276 363,323 363,161 363,323 363,161 363,265 363,140 363,150 363,160 363,160 363,160 363,160 363,160 363,160 363,160
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, swethod of and apparatus for detecting short circuits in dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, alternating current, E. Thomson.  Electrical matting, A. H. Freeman.  Electrical switch, W. J. Hammer.  Electrical switch, W. J. Hammer.  Electrical switch, W. J. Hammer.  Electrical matting, A. H. Freeman.  Electrical switch, W. J. Hammer.  Electrical switch, W. J. Hammer.  Electrical matting, A. H. Freeman.  Electrical matting, A. H. Freeman.  Electrical switch, W. J. Hammer.  Electrical switch, W. J. Hammer.  Electrical matting, A. H. Freeman.  Electrical matting, A. H	363,326 363,291 363,161 363,045 363,131 362,987 363,145 363,242 363,363 363,154 363,242 363,363 363,126 363,126 363,126 363,128 363,128 363,129 363,129 363,129 363,129 363,129 363,129 363,121 363,201	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder. Pencil and crayon holder. Spool holder. Hoof trimming machine, R. Parrish	363,133 363,225 363,165 362,364 363,248 363,307 363,076 363,076 363,182 363,182 363,183 362,266 363,276 363,383 362,276 363,383 362,276 363,383 363,161 363,383 363,161 363,380 363,161 363,380 363,161 363,380 363,161 363,380 363,161 363,380 363,161 363,380 363,163 363,380 363,161 363,380 363,161 363,380 363,161 363,380 363,161 363,380 363,161 363,082
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace	363,326 363,231 363,045 363,313 362,987 363,145 363,145 363,145 363,1242 363,323 363,126 363,313 363,126 363,127 363,128 363,127 363,123 363,127 363,123 363,237 363,237 363,331 363,231 363,331 363,231 363,331	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder. Pencil and crayon holder. Spool holder. Hoof trimming machine, R. Parrish	363,133 363,245 363,165 363,246 363,246 363,307 363,004 363,182 363,182 363,183 363,264 363,183 363,264 363,183 363,266 363,266 363,363 363,161 363,066 363,363 363,161 363,066 363,363 363,161 363,066 363,363 363,161 363,062 363,363 363,161 363,062 363,363 363,161 363,062 363,363 363,164 363,062 363,363 363,164 363,062
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace	363,326 363,231 363,045 363,131 363,045 363,145 363,145 363,145 363,124 363,124 363,124 363,126 363,133 363,128 363,128 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,129 363,334 362,927 363,121 363,022 363,032 363,033	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,132 363,245 363,165 363,246 363,246 363,307 363,004 363,182 363,182 363,183 363,183 362,2926 363,323 363,163 363,323 363,163 363,323 363,163 363,261 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,060 363,323 363,060 363,323 363,060 363,360 363,060
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric lighting systems, indicator for. W. J. Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machine, smethod of and apparatus for detecting short circuits in dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric mathine, safety contact brush for dynamo, J. W. Easton.  Electric switch, E. Thomson.  Electrical matting, A. H. Freeman.  Electrical switch, W. J. Hammer.  Electrical matting, A. H. Freeman.  Electrical matting, S. Robinson.  Electrical switch, W. J. Hammer.  Electrical matting, S. Bockleading matrices for, E. A.  Blake.  Elevator, G. M. Davis.  Elevator, See Dental engine, Steam engine.  Engine, S. Robinson.  Etching zinc and other metal plates, L. W. Kipp.  Extractor. See Tobacco plug extractor.  Eyeglass, M. C. Brackett.  Eyeglasses, manufacture of cases for, W. B.  White.  Eyeglasses, manufacture of cases for, W. B.  White.  Eyeglasses, manufacture of cases for, W. B.  White.  Fered rack, D. W. Shorter  Feeder, coagulant, J. W. Hyatt  Felt, manufacture of, A. Dolge.  Fered rack, D. W. Shorter  Feeder, coagulant, J. W. Hyatt  Felt, manufacture of, A. Dolge.  Ference machine, G. J. Cline.  Fence, metallic, W. W. Hamilton  Fence, fiood, P. H. More  Fence, wire, J. G. Schiller.  Ference machine, G. J. Cli	363,326 363,291 363,101 363,045 363,131 362,987 363,145 363,242 363,333 363,154 363,126 363,126 363,333 363,128 363,129 363,129 363,129 363,129 363,129 363,121 363,333 363,129 363,121 363,63 363,121 363,63 363,121 363,63 363,121 363,63 363,121 363,63 363,121 363,63 363,121 363,63	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder. Pencil and crayon holder. Spool holder. Hoof trimming machine, R. Parrish	363,132 363,245 363,165 363,246 363,246 363,307 363,004 363,182 363,182 363,183 363,183 362,2926 363,323 363,163 363,323 363,163 363,323 363,163 363,261 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,066 363,323 363,060 363,323 363,060 363,323 363,060 363,360 363,060
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace	363,326 363,291 363,045 363,101 363,045 363,133 362,987 363,145 363,242 363,333 363,126 363,126 363,126 363,127 363,185 363,128 363,129 363,302 363,302 363,302 363,302 363,303 363,201 363,207 363,303 363,207 363,309 362,966 363,277 363,310 363,267 363,310 363,277 363,310 363,277 363,310 363,277 363,310 363,277 363,310 363,277 363,310 363,277 363,310 363,277 363,310 363,277 363,310 363,277 363,310 363,277 363,310 363,277 363,310 363,277 363,310 363,277 363,310 363,277 363,310 363,277 363,310 363,277 363,310 363,277 363,310 363,270	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder. Pencil and crayon holder. Spool holder. Hoof trimming machine, R. Parrish	363,133 363,245 363,165 363,246 363,207 363,007 363,007 363,182 363,182 363,183 362,183 362,236 363,264 363,327 363,326
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, dynamo, J. W. Easton.  Electric machine, smethod of and apparatus for detecting short circuits in dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric switch, E. Thomson.  Electrical matting, A. H. Freeman.  Electrical switch, W. J. Hammer.  Electrical switch, W. J. Hammer.  Electrical switch, W. J. Hammer.  Electrical grid and other metal plates, L. W. Kipp.  Extractor. See Dental engine. Steam engine.  Engine. See Dental engine. Steam engine.  Engine. See Dental engine. Steam engine.  Engine, S. Robinson.  Engine, S. Robinson.  Engine, S. Robinson.  Engine, A. C. Brackett.  Eyeglasses, M. C. Brackett.  Eyeglasses, M. C. Brackett.  Farm gate, A. C. Baumwart.  Farne, weighing, T. J. Black.  Feeder, coagulant, J. W. Hyatt.  Feed, manufacture of, A. Dolge.  Fence, metallic, W. W. Hamilton.  Fence, metallic, W. H. Cummings.  Filtering, H. Stockheim.  Filtering, H. Stockheim.  Fire alarm, A. W. Geer.  Fire alarm, A. W. Geer.  Fire alarm, A. W. Geer.  Fire alarm, Deventing of the strict of the strict	363,326 363,291 363,101 363,045 363,101 363,045 363,133 362,987 363,145 363,126 363,044 363,126 363,126 363,127 363,128 363,128 363,129 363,121 363,021 363,021 363,031	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder.  Hoof trimming machine, R. Parrish	363,133 363,225 363,165 363,248 363,307 363,074 363,074 363,182 363,182 363,183 362,266 363,276 363,276 363,323 363,161 363,323 363,161 363,324 363,324 363,324 363,324 363,324 363,324 363,324 363,324 363,325 363,140 363,150 363,160 363,160 363,160 363,160 363,160 363,160 363,160 363,160 363,160 363,160
Damping machine, F. L. & S. G. Goss.  Dental engine, W. W. Grant.  Dental flasks, etc., press for, M. M. Maine  Derrick, J. B. Wallace.  Digger. See Potato digger.  Dish drainer, C. C. Cannom.  Distilling wood, apparatus for, E. J. Burrell.  Door hanger, J. Charlton.  Door hanger, J. H. Lawrence.  Door securer, H. F. Keil.  Drawer, J. W. R. Johnson.  Drawing table, T. W. Mann.  Drug mixing machine, M. J. Jones.  Ear stud, F. Wessel.  Eaves trough angle or miter, L. M. Bowers.  Electric generator, self-exciting alternate current, J. W. Easton.  Electric lighting systems, indicator for. W. J. Hammer.  Electric machine, dynamo, J. W. Easton.  Electric machine, swethod of and apparatus for detecting short circuits in dynamo, J. W. Easton.  Electric machine, safety contact brush for dynamo, J. W. Easton.  Electric mathine, safety contact brush for dynamo, J. W. Easton.  Electric switch, E. Thomson.  Electrical matting, A. H. Freeman.  Electrical switch, W. J. Hammer.  Electrical switch, W. J. Hammer.  Electrical matting, A. H. Freeman.  Electrical switch, W. J. Hammer.  Electrous, automatic safety appliance for, E. A. Blake.  Elevator, G. M. Davis.  Engine, S. Robinson.  Etching zinc and other metal plates, L. W. Kipp.  Extractor. See Tobacco plug extractor.  Eyeglass, M. C. Brackett.  Eyeglasses, manufacture of cases for, W. B. White.  Eyeglasses, manufacture of cases for, W. B. White.  Eyeglasses, manufacture of cases for, W. B. White.  Eyeglasses, manufacture of f. A. Dolge.  Fence arck, D. W. Shorter.  Feed rack, D. W. Shorter.  Feeder, coagulant, J. W. Hyatt.  Fett, manufacture of, A. Dolge.  Fence, metallic, W. W. Hamilton.  Fence, metallic, W. W. Hamilton.  Fence, metallic, W. W. Hamilton.  Fence, wire, J. G. Schiller.  Fertilizer distributor and seed drill, combined, C. D. Daniels.  Fifth wheel,	363,326 363,291 363,161 363,045 363,101 363,045 363,133 362,987 363,145 363,242 363,333 363,126 363,333 363,126 363,333 363,128 363,129 363,121 363,302 363,085 363,129 363,085 363,134 363,096 363,217 363,217 363,217 363,350 362,968 363,217 363,217 363,350 362,968 363,217 363,350 362,968 363,217 363,350 362,968 363,217 363,350 362,968 363,217 363,350 362,968 363,217 363,350 362,968 363,217 363,350 362,968 363,217 363,217 363,350 362,968 363,217 363,217 363,350 362,968 363,217	holder. Music and book holder. Music or paper holder. Pencil and crayon holder. Spool holder. Hoof trimming machine, R. Parrish	363,125 363,165 362,264 363,276 363,076 363,076 363,076 363,182 363,182 363,182 363,183 362,193 363,184 363,384 363,386 363,386 363,386 363,386 363,386 363,161 363,386