

HINTS TO CORRESPONDENTS.

Minerals sent for examination should be distinctly marked or labeled.

(1) F. W. K. wants (1) a receipt for making bronze paint for bronzing a bust. A. Boil 3 pounds pure linseed oil with 12 ounces finely powdered litharge: strain through a coarse canvas cloth, and allow to stand until clear, 15 ounces of this soap varnish mixed with 12 ounces metallic soap powder (made as follows: To a solution of soda soap in linseed oil, cleared by straining, add a mixture of 4 pints sulphate of copper solution and 1 pint sulphate of iron solution which precipitates a metallic soap of a peculiar bronze hue; wash with cold water, strain, and dry to powder) and 5 ounces fine white wax, are to be melted together at a gentle heat in a porcelain basin by means of a water bath, and allowed to remain for a time in a melted state to expel any moisture that it may conthe plaster, previously heated to 200° Fah., being care- | hot) may better answer your purpose ful to lay it on smoothly, and without filling up any small indentations of the plaster design. Place it for a few days in a cool place, and, as soon as the smell of the soap varnish has gone off, rub the surface over with cotton wool or fine linen rag, and variegated with a few streaks of metal powder or shell gold. Small objects may be dipped in the melted mixture, and exposed to the heat of a fire till thoroughly penetrated and evenly coated with it. 2. A good rubber cement for putting on wringer rolls. A. See answer to query 3 contained in the Scientific American for December 25, 1886. See also Rubber Cement" in article on flame) is needed. Cements contained in Scientific American Supple-

(2) W. C. L., Michigan, asks: Why is the 4th of March taken for the inauguration of the President? A. The second Continental Congress provided, nine States having theretofore ratified the proposed new constitution, that the new government should go into operation on the first Wednesday of March, 1789, which was March 4.

MENT, No. 158.

(3) A. H., Richmond, Va., asks: How is lemon extract made? A. Expose 4 ounces of the exterior rind of lemons in the air until partially dry; then bruise in a Wedgwood mortar; add to it 2 quarts deodorized alcohol of 95°, and agitate until the color is extracted, then add 6 ounces recently prepared oil of lemon. If it does not become clear immediately, let it stand for a day or two, agitating occasionally. Then

(4) L. W. B. writes: I have a lathe with a 21 in. balance wheel, 50 lb. weight. I wish to run a 4 in. circular saw. Will a fly wheel on saw arbor improve the power? A. It will do you no service where the cutting is continuous. It might equalize the speed for knotty stuff or short, quick cuts. You must add muscle to make the saw go

(5) T. H. T., Buffalo, N. Y., asks: What will clean fly specks from hanging lamps? A. Old ale is excellent to wash any gilding with. It acts at once on fly specks. Apply with a soft rag.

(6) T. J. G. There are many kinds of lamps advertised as nou-explosive. We think the nonexplosive qualities depend more on burning high test oil than in any protective form of the lamp, although there is no doubt that some forms of lamp are safer than others. There is no lamp proof against explosion that has the wick communicating with the oil chamber. The Student lamp is considered safe from explosion in ordinary use, but is not safe to upset with low test oil.

(7) J. S. asks: Would a watch case of about 8 to 10 karats do for an anode to electroplate with? A. It will not do. It will contaminate the solution

(8) R. L. D. asks: 1. Is it a fact that lightning never strikes a building with a tin roof, provided there is no ground connection? A. No; it is not a fact. 2. Is the field of a telescope finder artificially illuminated, so the hair lines can be seen? I have made one, but can't readily see the hair lines, unless the star others. Better consult a physician. is very bright. A. The hair lines are not essential in (23) G. S., Chicago, writes: 1. What is the finder, except for very high powers. Adjust the a good receipt for gluing pearl to wood? A. Dissolve finder central with the telescope. The judgment of the 1 part isinglass and 2 of white glue in 30 of water, strain, eye is sufficient to cover the telescope field in the finder, and evaporate to 6 parts. Add one-thirtieth part of or use white human hair, which gathers the light, and gum mastic dissolved in 1/2 part of alcohol, and add 1 shows luminous on smaller stars better than colored part of zinc white. When required for use, warm and hair. S. Can I determine the efficiency of a dynamo by the argunt of water it will decompose in a certain each of the four sides, has recently made its appeartime? Must the points be platinum? A. It can be done. but not easily, from the difficulty of measuring the gases. Use platinum points.

(9) J. K. asks the best way to prevent the iron work of heaters in cellars from rusting? A. To whitewash them is the most simple way.

(11) D. J. N. asks the best composition of brass to withstand the corrosive effects of heat and

film on the glass, and must on that account be left out. A brass composed solely of copper and tin is so tough that it can only be worked with difficulty. A. Copper 16 oz., tin 1 oz. makes a good turning metal. Copper 16 oz., tin 1/2 oz. makes a good stamping metal. Copper with a small portion of nickel is a good resistant to oxidation. Aluminum bronze is also a resistant. All the above are tough, and do not work as easy as common

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. In quiries 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.

Scientific American Supplements referred to may be had at the office. Price 10 cents each.

Books referred to promptly supplied on receipt of price.

Minerals sent for avamination should be distinctly.

new lead for gaskets. Boiling hot water and potash should clean your sewer connecting pipes thoroughly.

(14) W. G. — Locomotives commonly carry from 100 to 125 pounds steam pressure. The ex haust is very variable, and according to the conditions of running. With throttle and link wide open, there may be as much as 20 pounds back pressure.

(15) W. M., Pittsburg, Pa.—The ring piston packing devices referred to were invented and constructed on the principle of expansion by the steam pressure in the cylinder.

(16) T. K. & Co. ask the best varnish or grease for protecting barbed fence wire. A. Common coal tar, with a little tallow melted and thoroughly mixed, is probably the best. All dry varnishes and coal tar alone crack off in handling the wire. If necessary to have it dry enough to handle without marking the tain. It is then applied with a brush to the surface of hands, a mixture of coal tar and boiled linseed oil (mix

> (17) M. A. G. asks why the electric light gives out so little heat, if it is true that the temperature of the arc in the arc light is unequaled by any other artificial heat. A. In a gas or lamp flame an exceedingly small portion of the heat develops light. Hence a production of a relatively great quantity of heat is ne cessary for the development of a given quantity of light. In the electric arc the temperature is so high that a much more favorable ratio of heat to light ap pears. For a given unit of light a very small quantity of heat (compared to the same factor in an ordinary

(18) E. W. S. asks: In what way should two or more electro-magnets be connected in the same circuit, so as to give the greatest amount of power? If two magnets are connected, will each magnet have as much power as one of them would have if the other were left out of the circuit? A. The best way to connec magnets in a battery circuit for power is in series. Each magnet as introduced in the circuit will reduce the strength of the remaining ones.

(19) Accountant writes: I am using an ink on a set of books; it thickens very quickly, and I have found that a little ammonia water will thin it and amalgamate the particles as nothing else (water or fluid) will. Does the use of the ammonia impair the ink in any way or endanger the record in time? A. We can only surmise as to the effect of ammonia or an ink of unknown composition. From what you say we imagine it would not injure the ink. Test two samples, one with and one without ammonia, by writing with each and exposing to strong sunlight.

(20) Ch. asks: Does the crystal which is formed by the freezing of water contain water of crystallization? That water crystallizes when it freezes is plain enough, but does such a crystal contain water of crystallization? A. Ice contains no water of crystallization, as far as known. If so, there would be an uncrystallized or amorphous condition of ice, which has so far never been observed.

(21) C. B., Hartford, asks: 1. Is there any kind of glue or paste that will answer for putting labels on the side of flower pots when in use and filled with soil more or less damp? Supposing a label of white paper is used, is there any way it can be treated by varnishing or some other method, so that it can be washed and made clean? A. Use thin paper for label, and attach with white gelatine in solution, to which has been added 1 per cent of bichromate of potash. This must be done in a dark or obscure room. Then expose the labels to sunlight. Afterwriting, varnish with solution of shellac in alcohol.

(22) H. P. asks: 1. How can I make wine of coca? A. Take of the fluid extract of coca ounce, magnesium carbonate 1 drachm; mix and add of simple elixir and of rectified alcohol each 1 ounce, and used. 2. Is it considered a good remedy for dyspepsia? A. A good remedy for some people is not good for

shake up. 2. A reflector in form of a cube, concave on ance. It divides the original flame into four small flames, placed so as to reflect from each of four sides of the cube reflector that has been placed on the gas jet. Can these reflectors be of any value in the center of a room? A. Any reflector that does not, by creating draughts or otherwise, interfere with the production of the flame is, as a general thing, useful in directing (10) E. H., Boston, asks: How can I the light where most wanted. 3. Will steam forced into make a sulphur bath? A. Use 4 ounces potassium sul- iron pipes make the pipes hot enough to ignite pa er phide and 1 ounce sulphuric acid dissolved in 30 gal. or cloth? A. It is claimed that long action of such heat will, under favorable conditions, effect such ignition, and many fires have been attributed thereto.

(24) S. D. K., Providence, R. I., asks: coal gas. Brass is to be used for Argand burners, in a list here anything which will dissolve mica so it can be regenerative gas lamp. Zinc is said to cause a white used in a liquid form and afterward be evaporated,

leaving a coating of mica on any article which has been covered while in solution? A. No. The nearest you can come to it is to powder the mica and mix and apply with a transparent varnish, giving something of an aventurine effect.

(25) Miss S. G., South Carolina, asks: 1. What is simplest method of etching on glass? A. See article on this subject in Scientific American Sup-PLEMENT, No. 7, also on page 231 of this paper. 2. How can I stain willow chairs mahogany, rosewood, or cherry? A. For mahogany, take nitric acid, dilute with ten parts water and wash the wood with it. For rosewood, alcohol 1 gallon, camwood 2 ounces. Set them in a warm place, then add extract of logwood 3 ounces, nitric acid 1 ounce, and when dissolved. For cherry, boil 4 ounces annatto in 3 quarts rain water, till the annatto is dissolved, then add a piece of potash and boil for 30 minutes longer. 3. How can I clean willow furniture? A. Soap and water will remove dirt, and sulphur fumes will bleach the willow.

(26) M. F. S. asks: What is a good receipt for a good gold wash for a watch? A. Wash thoroughly & ounce chloride of gold, theu add to it a solution of 2 ounces cyanide of potassium in a pint of clean rain water; shake well and let it stand until the chloride is dissolved. Add 1 pound prepared Spanish whiting, expose to the air until dry. In applying, make into a paste with water, and rub it on the surface of the article with a piece of chamois skin or cot-

TO INVENTORS.

An experience of forty years, and the preparation of more than one hundred thousand applications for patents at home and abroad, enable us to understand the laws and practice on both continents, and to possess unequaled facilities for procuring patents everywhere. synopsis of the patent laws of the United States and all foreign countries may be had on application, and persons ontemplating the securing of patents, either at home or abroad, are invited to write to this office for prices, which are low, in accordance with the times and our extensive facilities for conducting the business. Address MUNN & CO., office Scientific American, 361 Broadway. New York.

INDEX OF INVENTIONS

For which Letters Patent of the **Linited States were Granted**

March 22, 1887,

AND EACH BEARING THAT DATE.

[Seenoteat end of list about copies of these patents.]

Advertising card, I. M. Miller

	Advertising card, I. M. Miller	Egg carrier, A. Helmer
	Air brake, automatic electric, J. F. Carpenter 359,598	Eggs, apparatus for preserving, L. A. Hapgood,
ı	Alarm. See Fire alarm. Fire and burglar alarm.	359,783, 359,784
]	Album, M. P. Evans	Electric battery, K. Pollak
l	Aluminum chloride, making, W. Frishmuth 359,601	
١	Automatic brake, H. H. Hobert 359,675	Electric conductors, coupling for, F. C. Plume 359,982
ı	Awning, window, J. W. Loane, Jr	Electric currents, underground conduit for pow-
١l	Axle for railway cars, divided, R. T. White 359,827	erful, G. B. Pennock 359,788
,	Bag holder, L. D. Spafford	Electric lighting system, F. A. Cheney 359.718
	Banjo, E. D. Allington 359,658	
1	Bar. See Pinch bar.	Electric machine, dynamo, N. Tesla 359,748
1	Barrel carrier, J. W. Shewmaker 359,821	Electric machine regulator, dynamo, C. L. Buck-
١	Basket cover, fruit, J. H. Marvll	ingham
	Battery. See Electric battery. Secondary bat-	Electrical conductor, E. H. Johnson 359.726
,	tery.	Electrical synchronal escapement, J. F. McLaugh-
.	Battery zinc, J. Beattie, Jr	lin
1	Bed, folding, K. Brooks	Engine. See Carding engine. Gas engine. Steam
3	Bed for invalids, adjustable, J. Miller 359,879	engine.
•	Bedstead, invalid, C. Knapp	Engines, device for draining the cylinders of, J.
٠	Bedsteads, mosquito net supporting frame for	Briscoe
ı	folding, G. C. McLaughlin	Excelsior, machine for making, J. A. Adams 359,657
١,	Bicycle backbone, T. B. Jeffery 359,608	Extension table, G. Schmitt
	Bicycle brace, A. O. Petit	
	Bicycle wheel, C. A. E. T. Palmer	Fanning mill, H. Summerfeld359,944, 359,945
,	Bicyclists, home trainer for, J. McClintock 359,800	Fastener, metallic, J. Felbel
	Blacking box, handled, S. M. Bixby 359,705	Faucet for oil cans, G. W. Banker
i	Board. See Game board. Wash board.	Feed grinder, I. & J. C. Jay 359,788
,	Boat, See Lifeboat.	Feed rolls, top pressure for, G. W. Church 359,667
	Boiler. See Steam boiler. Wash boiler.	Feed water heater, A. M. Rowe
1	Boller, M. J. Galligan	Fence, J. A. Devore
1	Boom, B. Boutell	Fence building machine, W. H. H. Fauber 359,778
٠	Box. See Blacking box. Letter box. Miter box.	Fence, flood, A. Buracker
ı	, Watch movement box.	Fence post, J. H. Buscher 359,666
	Brace. See Bicycle brace. Chair brace.	Fence post, A. W. Newton
.	Brake. See Air brake. Automatic brake. Car	Fence, wire, J. F. Hanna
١l	brake.	Fences, machine for weaving wire, Brown &
	Brick machine, B. J. Wilson	Blake
	Bridges, gate for pivot, J. H. Quackenbush 359,742	Fire alarm, A. Sewel
,	Brush for the use of jewelers and others, scratch,	Fire and burglar alarm, electric, S. Taussig 359,823
ı	J. Masters	Firearm, breech-loading, J. M. & M. S. Browning. 359,917
١,	Brush trimming machine, T. Coldwell 359,847	Firearms, rear sight for, J. C. Kelton 359,690
il	Buckle, G. F. Atwood	Fire box lining, A. S. Newby
	Buckle, G. W. Moores	Fire escape, Stanhope & Esty
í	Buckle, W. Seabrook	Fire extinguisher, J. M. Palmer 359,839
1	Bushing mould, W. Messerle	Fireplace, D. P. Lewis et al
•	Bustle, H. O. Canfield	Floors, etc., covering for, R. F. Nenninger 359.923
	Bustle, S. B. Gray	Flour packing machine, J. B. Allfree
.	Butter worker, B. B. Beers	Folding seat, S. W. Knott
	Button, P. W. Tillinghast	Foot guard, Spalding & Adams
1	Button fastening machine, G. W. Prentice 359,631	Fountain trap, G. W. Wicks
١	Button or stud, W. G. Hopkins	Frame. See Lamp frame. Umbrella frame.
1	Cake mixer, M. D. Platner	Frame for portable structures, A. W. Tourgee 359.749
l	Camera drop shutter, L. A. De Ribas	Fruit picker R.D. Feton 359.886
l	Can. See Refrigerator dairy can.	Fruit picker, B. D. Eaton
ı	Car brake, J. Bryan	Furnaces, attachment for smelting, E. R., Jr., &
.	Car brake and starter, T. Miller	O. R. Moffet
ı	Car coupling, D. J. Caldwell	
l	Car coupling, A. O. Dietze	Game counter, C. W. Le Count
1	Car coupling, N. T. Dundore et al	Garment supporter, R. J. Kyle
	Car coupling, A. J. Elliott	Garment supporter, F. W. Lowe
1	Car coupling, C. C. Haskin	Gas engine, L. T. Cornell
1	Car coupling, J. Rancevau	Gas pressure regulator and cut-off, H. J. Hyams 359,787
	Car coupling, Stetler & Klingler	Gas pressure regulator and cut-off, Sollenberger
:	Car coupling, A. Z. Swingle	& Woody
۱,	Car fare boxes, conveyer for street, G. R. Brown-	Gate. See Swinging gate.
:	rigg	Gate, J. Roberts, Sr
	Car, railway, C. W. M. Smith	Gate, P. Steele
.	Car ventilating apparatus, W. D. F. Jarvis 359,975	Glass, forming letters on, W. H. Maxwell 359,682
	Cars, cable grip for, T. Kerr (r)	Glass panes, machine for pollshing, J. Schuster 359,744
	Cars, device for supporting and operating street,	Glove fastener, E. J. Kraetzer
:	A. G. Bierbach	Gold, concentrating, J. W. Parmelee 359,627
,	Cars, method of and apparatus for ventilating	Grain binder cord holder, J. F. Gordon 359,781
ı	railway, H. R. Adams	Grinding machines, attachment for, G. H. Smith., 359,943

Carburetor, E. K. Sumerwell	
Card grinder, W. S. Kenyon	359,928
Carding engine, Lord & Stocks	
Carriage curtain fastener, A. J. Lytle	
Carriage top joints, spring for, W. N. Sewell	
Carrier. See Barrel carrier. Egg carrier.	950 010
Cart, road, W. Whitaker	112.512
Cash carrier apparatus, D. Lippy ,	359.875
Caster, C. V. Pleukharp	359,688
Casting and finishing type, machine for, L. & A.	
Foucher	
Wicks	
Castings, apparatus for the production of sound,	
J. Irwin, Jr.	
Cellular furnace for baking carbons, J. Hill Chair. See Railway chair.	359,866
Chair brace, J. F. Sargent	359,891
Checking apparatus, P. Everitt	
Churn, J Keller	
Churn, S. J. Sullivan	
Clamp, J. M.; Basinger	359,833
Clamp, E. Shaw	359,942
Cleaner. See Carpet cleaner. Clock, alarm, A. Runge	250 029
Clock and watch balances, manufacture of, L.	
Murray	
Clock, pneumatic, R. C. Wittmann	359,880
Clock system, hydropneumatic, C. A. Mayrhofer,. Closet. See Water closet.	309,799
Cock, lock, W. H. Deming	359,714
Coin packet, W. K. Bellis	
Conveyer apparatus, G. C. Blickensderfer	
Core stand, J. Barnett	
Corset cover and bustle, G. D. Nichols	359,807
Cotton gin, scale, and press, P. E. Williamson	859,914
Cotton waste, etc., machine for cleaning and sepa- rating, H. A. Davis	
Coupling. See Car coupling. Thill coupling.	m2,001
Crosshead pushing device, W. McIntosh	359,803
Crushing and grinding mill, W. H. Bane	359,659
Cultivator attachment, H. H. Fulton	359,780 359 000
Cultivator for listed corn, narrow, R. woods Cultivator shield, W. M. McGaugh	
Cup. See Umbrella drip cup.	
Curtain fixture, Shinn & Fagley	359,896
Cutlery handles, manufacture of, I. E. Moody, Cutter. See Wire cutter.	509,583
Cutter. See wire cutter. Cutting rags, etc., machine for, A. A. Coburn	359,846
Dental engine hand piece, W. B. Mann	359,798
Dental vulcanizing apparatus, Chidester & Har-	
mount	oo9,778
Ditching and tile laying machine, steam, D.	
Wilde	359,701
Ditching machine, J. A. Wells	
Door, sliding, C. Dyer	
Draught equalizer, J. Beal et al	359,661
Drill jar, R. C. Elhot	359,856
Driving spring, flexible, A. W. Browne	
Dyeing skeins, apparatus for, Meadowcroft & Denanhouer	
Denanhouer	359,612
Egg beater, W. J. Johnson	359,976
Egg carrier, A. Helmer	359,927
Eggs, apparatus for preserving, L. A. Hapgood,	350 794
359,783, Electric battery, K. Pollak	359,784 359,690
359,783, Electric battery, K. Pollak Electric circuit regulator, J. A. Powers	359,690 359,739
Electric battery, K. Pollak	359,690 359,739 359,982
359,783, Electric battery, K. Pollak	359,690 359,739 359,982
Electric battery, K. Pollak	359,690 359,739 359,982 359,738 359,718
Electric battery, K. Pollak	359,690 359,739 359,982 359,788 359,718 359,894
Sign Sign Sign Sign Sign Sign Sign Sign	359,690 359,789 359,982 359,788 359,718 359,894 359,748
Electric battery, K. Pollak	359,690 359,739 359,982 359,788 359,718 359,894 359,748
Electric battery, K. Pollak	359,690 359,739 359,788 359,738 359,718 359,894 359,748 359,770 359,726
Electric battery, K. Pollak	359,690 359,789 359,982 359,788 359,718 359,894 359,748 359,770 359,726
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric lighting system, F. A. Cheney Electric machine, dynamo, R. J. Sheehy Electric machine regulator, dynamo, C. L. Buckingham. Electrical conductor, E. H. Johnson. Electrical synchronal escapement, J. F. McLaughlin	359,690 369,789 359,982 359,788 359,718 359,894 359,748 359,770 359,726
Electric battery, K. Pollak	359,690 369,789 359,982 359,788 359,718 359,894 359,748 359,770 359,726
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric lighting system, F. A. Cheney Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham. Electrical conductor, E. H. Johnson. Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J.	359,690 369,739 359,882 359,788 359,713 359,894 359,748 369,770 359,726
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric lighting system, F. A. Cheney Electric machine, dynamo, R. J. Sheehy Electric machine regulator, dynamo, C. L. Buckingham Electrical conductor, E. H. Johnson Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe.	359,690 359,739 359,892 359,788 359,718 359,894 359,748 359,726 359,806
359,783, Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric lighting system, F. A. Cheney Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham Electrical conductor, E. H. Johnson Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams	359,690 359,739 359,982 359,788 359,713 359,894 359,770 359,726 359,805
Electric battery, K. Pollak Electric circuit regulator. J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric lighting system, F. A. Cheney Electric machine, dynamo, R. J. Sheehy Electric machine regulator, dynamo, C. L. Buckingham Electrical conductor, E. H. Johnson Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles	359,690 359,789 359,982 359,788 359,718 359,894 359,748 359,726 359,726 359,805
S69,783, Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric lighting system, F. A. Cheney. Electric machine, dynamo, R. J. Sheehy. Electric machine regulator, dynamo, C. L. Buckingham Electrical conductor, E. H. Johnson Electrical synchronal escapement, J. F. McLaughlin. Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe. Excelsior, machine for making, J. A. Adams. Extension table, G. Schmitt. Eyeglasses, E. De Celles. Fanning mill, H. Summerfeld. 339,344,	359,690 359,739 359,982 359,788 359,713 359,894 359,748 359,770 359,726 359,805 359,805 359,805 359,805 359,805
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric lighting system, F. A. Cheney Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electrical synchronal escapement, J. F. McLaughlin Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld	359,690 359,789 359,982 359,788 359,788 359,894 359,748 359,770 359,726 359,805 359,805 359,805 359,805
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric lighting system, F. A. Cheney Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham Electrical conductor, E. H. Johnson Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld	359,690 359,739 359,982 359,788 359,718 359,748 359,726 359,726 359,806 359,806 359,806 359,807 359,807 359,807 359,807 359,807
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric lighting system, F. A. Cheney Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electrical conductor, E. H. Johnson Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld. 359,944, Fastener, metallic, J. Felbel. Faucet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church.	359,690 359,789 359,788 359,718 359,718 359,748 359,770 359,726 359,805 359,805 359,805 359,805 359,805 359,905 359,905 359,905 359,905 359,905 359,905
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, N. Tesla Electrical conductor, E. H. Johnson. Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld	359,690 359,783 359,882 359,783 359,894 359,748 359,770 359,726 359,806 359,806 359,806 359,807 359,857 359,857 359,857 359,857 359,857 359,857 359,857 359,857 359,857 359,857 359,857 359,857 359,857 359,857 359,857 359,857
Electric battery, K. Pollak Electric circuit regulator. J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock. Electric lighting system, F. A. Cheney. Electric machine, dynamo, R. J. Sheehy. Electric machine regulator, dynamo, C. L. Buckingham Electrical conductor, E. H. Johnson. Electrical synchronal escapement, J. F. McLaughlin. Engine. See Carding engine. Gas engine. Steam engine. Excelsior, machine for making, J. A. Adams. Extension table, G. Schmitt. Eyeglasses, E. De Celles. Fanning mill, H. Summerfeld. Fastener, metallic, J. Felbel. Faucet for oil cans, G. W. Banker. Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church. Feed water heater, A. M. Rowe. Fence, J. A. Devore.	359,690 359,789 359,982 359,783 359,713 359,894 359,770 359,767 359,806 359,806 359,806 359,806 359,812 359,945 359,671 359,671 359,673 359,788 359,673 359,788
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric lighting system, F. A. Cheney Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electrical conductor, E. H. Johnson Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld. 359,944, Fastener, metallic, J. Felbel. Faucet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church. Feed water heater, A. M. Rowe Fence, J. A. Devore.	359,690 359,783 359,783 359,783 359,713 359,748 359,748 359,767 359,806 359,806 359,806 359,806 359,806 359,806 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,704 359,671 359,671 359,704
Bictric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric lighting system, F. A. Cheney Electric machine, dynamo, R. J. Sheehy Electric machine regulator, dynamo, C. L. Buckingham Electrical conductor, E. H. Johnson Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt. Eyeglasses, E. De Celles Fanning mill, H. Summerfeld	359,690 359,789 359,982 359,789 359,783 359,894 359,770 359,606 359,806 359,806 359,806 359,816 359,816 359,816 359,816 359,816 359,816 359,816 359,817 359,667 359,667 359,667 359,667
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, F. Summerfeld	359,690 359,783 359,982 359,783 359,713 359,748 359,770 359,706 359,806 359,806 359,806 359,806 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,94
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric lighting system, F. A. Cheney Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electrical synchronal escapement, J. F. McLaughlin Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe. Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles. Fanning mill, H. Summerfeld Faucet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church. Feed water heater, A. M. Rowe Fence, J. A. Devore Fence post, J. H. Buscher Fence post, J. H. Buscher Fence post, A. W. Newton. Fence, wire, J. F. Hanna	359,690 359,783 359,882 359,783 359,894 359,748 359,704 359,707 359,806 359,806 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,607 359,607 359,607
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, F. Summerfeld	359,690 359,789 359,789 359,789 359,783 359,894 359,748 359,707 359,806 359,806 359,806 359,806 359,817 359,817 359,817 359,817 359,817 359,817 359,817 359,817 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617 359,617
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric ighting system, F. A. Cheney Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld Faucet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church Feed water heater, A. M. Rowe Fence, J. A. Devore Fence, flood, A. Buracker Fence post, J. H. Buscher Fence post, A. W. Newton Fences, machine for weaving wire, Brown & Blake Fire alarm, A. Sewel	359,690 359,783 359,882 359,783 359,894 359,748 359,707 359,707 359,806 359,806 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,80
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham. Electrical conductor, E. H. Johnson. Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles. Fanning mill, H. Summerfeld Fastener, metallic, J. Felbel Faucet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church Feed water heater, A. M. Rowe Fence, J. A. Devore Fence building machine, W. H. Fauber Fence, flood, A. Buracker Fence post, J. H. Buscher Fence post, J. H. Buscher Fence post, A. W. Newton Fences, machine for weaving wire, Brown & Blake Fire alarm, A. Sewel	359,690 359,783 359,892 359,783 359,894 359,748 359,770 359,806 359,806 359,806 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,607 359,607 359,607 359,607 359,606 359,604 359,604 359,604
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham Electrical conductor, E. H. Johnson Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld Faucet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed vater heater, A. M. Rowe Fence, J. A. Devore Fence building machine, W. H. H. Fauber Fence, Good, A. Buracker Fence post, J. H. Buscher Fence, wire, J. F. Banna Fences, miller for weaving wire, Brown & Blake Fire and burglar alarm, electric, S. Taussig Firearm, breech-loading, J. M. & M. S. Browning.	359,690 359,783 359,783 359,783 359,713 359,894 359,770 359,767 359,806 359,806 359,806 359,806 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945 359,945
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham. Electrical conductor, E. H. Johnson. Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld	359,690 359,783 359,783 359,783 359,713 359,784 359,767 359,805 359,805 359,805 359,805 359,805 359,805 359,805 359,915 359,915 359,915 359,671 359,671 359,671 359,671 359,671 359,671 359,671 359,671 359,671 359,671 359,671 359,671 359,671 359,671 359,671 359,671 359,671 359,671 359,671 359,671 359,683 359,595 359,694 359,694 359,823 359,830
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham Electrical conductor, E. H. Johnson Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt. Eyeglasses, E. De Celles Fanning mill, H. Summerfeld	359,690 359,783 359,892 359,783 359,894 359,748 359,770 359,806 359,806 359,806 359,806 359,817 359,817 359,817 359,817 359,817 359,817 359,817 359,817 359,817 359,817 359,817 359,817 359,817 359,817 359,817 359,817 359,817 359,817 359,817 359,817 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,81
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric lighting system, F. A. Cheney Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electrical conductor, E. H. Johnson Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld. Fauet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church. Feed water heater, A. M. Rowe Fence, J. A. Devore. Fence post, J. H. Buscher Fence post, A. W. Newton Fence, machine for weaving wire, Brown & Blake Fire and burglar alarm, electric, S. Taussig Firearm, rear sight for, J. C. Kelton Fire box lining, A. S. Newby. Fire extinguisher, J. M. Palmer	359,690 359,783 359,783 359,783 359,713 359,894 359,767 359,805 359,805 359,805 359,805 359,805 359,805 359,805 359,805 359,945 359,671 359,667 359,663 359,595 359,694 359,694 359,694 359,694 359,694 359,890 359,990 359,980 359,980 359,980 359,980
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric lighting system, F. A. Cheney Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electrical conductor, E. H. Johnson Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld. Fauet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church. Feed water heater, A. M. Rowe Fence, J. A. Devore. Fence post, J. H. Buscher Fence post, A. W. Newton Fence, machine for weaving wire, Brown & Blake Fire and burglar alarm, electric, S. Taussig Firearm, rear sight for, J. C. Kelton Fire box lining, A. S. Newby. Fire extinguisher, J. M. Palmer	359,690 359,783 359,783 359,783 359,713 359,894 359,767 359,805 359,805 359,805 359,805 359,805 359,805 359,805 359,805 359,945 359,671 359,667 359,663 359,595 359,694 359,694 359,694 359,694 359,694 359,890 359,990 359,980 359,980 359,980 359,980
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham Electrical conductor, E. H. Johnson Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt. Eyeglasses, E. De Celles Fanning mill, H. Summerfeld	359,690 359,783 359,892 359,783 359,894 359,748 359,770 359,806 359,806 359,806 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,607 359,607 359,607 359,607 359,604 359,604 359,604 359,604 359,604 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804 359,804
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe. Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles. Fanning mill, H. Summerfeld Faucet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church. Feed water heater, A. M. Rowe Fence, J. A. Devore Fence post, J. H. Buscher Fence post, A. W. Newton Fences, machine for weaving wire, Brown & Blake Fire alarm, A. Sewel Fire and burglar alarm, electric, S. Taussig Fire alarm, A. Sewel Fire alarm, A. Sewel Fire alarm, A. Sewel Fire alarm, A. Sewel Fire box lining, A. S. Newby Fire escape, Stanhope & Esty Fire escape, Stanhope & Esty Fire extinguisher, J. M. Palmer Filour packing machine, J. B. Allfree Folding seat, S. W. Knott	359,690 359,783 359,783 359,783 359,748 359,748 359,707 359,506 359,707 359,857 359,806 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,607 359,60
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham. Electrical conductor, E. H. Johnson. Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld	359,690 359,783 359,783 359,783 359,894 359,748 359,707 359,806 359,707 359,806 359,806 359,807 359,807 359,807 359,807 359,807 359,671 359,671 359,671 359,667 359,671 359,666 359,624 359,604 359,595 359,694 359,694 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electrical conductor, E. H. Johnson. Electrical synchronal escapement, J. F. McLaughlin. Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe. Excelsior, machine for making, J. A. Adams. Extension table, G. Schmitt. Eyeglasses, E. De Celles. Fanning mill, H. Summerfeld. Fastener, metallic, J. Felbel. Faucet for oil cans, G. W. Banker. Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church. Feed water heater, A. M. Rowe. Fence, J. A. Devore. Fence, J. A. Devore. Fence, Good, A. Buracker. Fence post, J. H. Buscher. Fence post, J. T. Buscher. Fence post, A. W. Newton. Fence, wire, J. F. Hanna. Fences, machine for weaving wire, Brown & Blake. Fire and burglar alarm, electric, S. Taussig. Firearm, rear sight for, J. C. Kelton. Fire box lining, A. S. Newby. Fire extinguisher, J. M. Palmer Fireplace, D. P. Lewis et al. Floors, each, Stanhope & Esty. Fire extinguisher, J. M. Palmer Fireplace, D. P. Lewis et al. Floors, Excellon. Foot guard, Spalding & Adams. Fountain trap, G. W. Wicks.	359,690 359,783 359,783 359,783 359,894 359,748 359,707 359,806 359,707 359,806 359,806 359,807 359,807 359,807 359,807 359,807 359,671 359,671 359,671 359,667 359,671 359,666 359,624 359,604 359,595 359,694 359,694 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, F. Summerfeld Faucet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church Feed water heater, A. M. Rowe Fence, J. A. Devore Fence, flood, A. Buracker Fence post, J. H. Buscher Fence post, J. H. Buscher Fence, machine for weaving wire, Brown & Blake Fire alarm, A. Sewel Fire and burglar alarm, electric, S. Taussig Fire arm, breech-loading, J. M. & M. S. Browning. Firearm, breech-loading, J. M. & M. S. Browning. Firearm, rear sight for, J. C. Kelton Fire box lining, A. S. Newby Fire escape, Stanbope & Esty Fire alarm, A. Sewel Fire alarm, A. Sewel Fire place, D. P. Lewis et al Floors, etc., covering for, R. F. Nenninger Flour packing machine, J. B. Allfree Folding seat, S. W. Knott Foot guard, Spalding & Adams Fountain trap, G. W. Wicks Frame. See Lamp frame. Umbrella frame.	359,690 359,783 359,894 359,783 359,894 359,767 359,770 359,767 359,806 359,806 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham. Electrical synchronal escapement, J. F. McLaughlin. Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe. Excelsior, machine for making, J. A. Adams. Extension table, G. Schmitt. Eyeglasses, E. De Celles. Fanning mill, H. Summerfeld. Synchronal escapement, J. F. McLaugh-lin. Fastener, metallic, J. Felbel. Faucet for oil cans, G. W. Banker. Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church. Feed water heater, A. M. Rowe. Fence, J. A. Devore. Fence post, J. F. Hanna. Fences, M. H. Sucher. Fence post, J. F. Hanna. Fences, machine for weaving wire, Brown & Blake. Fire alarm, A. Sewel. Fire and burglar alarm, electric, S. Taussig. Firearm, breech-loading, J. M. & M. S. Browning. Firearms, rear sight for, J. C. Kelton. Fire box lining, A. S. Newby. Fire extinguisher, J. M. Palmer Fireplace, D. P. Lewis et al. Floors, etc., covering for, R. F. Nenninger. Flour packing machine, J. B. Allfree. Folding seat, S. W. Knott. Foot guard, Spalding & Adams. Fountain trap, G. W. Wicks. Frame for portable structures, A. W. Tourgee. Fruit jar, J. Perkins.	359,690 359,783 359,783 359,783 359,783 359,748 359,767 359,806 359,767 359,806 359,806 359,806 359,945 359,945 359,945 359,945 359,945 359,945 359,967 359,967 359,667 359,596 359,670 359,596 359,694 359,694 359,694 359,694 359,896 359,994 359,994 359,994 359,994 359,994 359,994 359,994 359,994 359,994 359,994 359,994 359,994 359,994 359,994 359,996 359,996 359,996 359,996 359,996 359,996 359,996 359,996 359,996 359,996 359,996 359,996 359,996 359,996 359,996 359,996 359,996 359,996 359,996 359,996 359,996 359,996
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric definition for money Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, N. Tesla. Electric machine, dynamo, N. Tesla. Electric machine regulator, dynamo, C. L. Buckingham. Electrical synchronal escapement, J. F. McLaughlin. Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe. Excelsior, machine for making, J. A. Adams. Extension table, G. Schmitt. Eyeglasses, E. De Celles. Fanning mill, F. Summerfeld. Faucet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church. Feed water heater, A. M. Rowe. Fence, J. A. Devore. Fence post, J. T. Buscher. Fence post, J. T. Buscher. Fence post, A. W. Newton Fence, Mre, J. F. Tanna. Fences, machine for weaving wire, Brown & Blake. Fire alarm, A. Sewel. Fire box lining, A. S. Newby. Fire escape, Stanhope & Esty Fire escape, Stanhope & Esty Fire extinguisher, J. M. Palmer Fireplace, D. P. Lewis et al. Floors, etc., covering for, R. F. Nenninger. Flour packing machine, J. B. Allfree. Folding seat, S. W. Knott. Foot guard, Spalding & Adams. Fountain trap, G. W. Wicks. Frame. See Lamp frame. Umbrella frame. Frame for portable structures, A. W. Tourgee. Fruit jar, J. Perkins.	359,690 359,783 359,894 359,748 359,704 359,707 359,707 359,806 359,806 359,806 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,80
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine, dynamo, C. L. Buckingham Electrical conductor, E. H. Johnson. Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engine, device for draining the cylinders of, J. Briscoe. Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld Eyeglasses, E. De Celles Faucet for oil cans, G. W. Banker Feed water heater, A. M. Rowe Feed water heater, A. M. Rowe Fence, J. A. Devore Fence building machine, W. H. H. Fauber Fence post, J. H. Buscher Fence post, J. H. Buscher Fence post, A. W. Newton Fence, wire, J. F. Hanna Fences, machine for weaving wire, Brown & Blake Fire alarm, A. Sewel Fire and burglar alarm, electric, S. Taussig Fire arm, breech-loading, J. M. & M. S. Browning. Fire arm, breech-loading, J. M. & M. S. Browning. Fire arm, breech-loading, J. M. & M. S. Browning. Fire arm, breech-loading, J. M. & M. S. Browning. Fire arm, breech-loading, J. M. & M. S. Browning. Fire arm, breech-loading, J. M. & M. S. Browning. Fire arm, breech-loading, J. M. & M. S. Browning. Fire arm, breech-loading, J. M. & M. S. Browning. Fire box lining, A. S. Newby Fire escape, Stanhope & Esty Fire parm, breech-loading, J. M. & M. S. Browning Firely packing machine, J. B. Allfree Foot g	359,690 359,783 359,894 359,748 359,704 359,707 359,707 359,806 359,806 359,806 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,80
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric corneuts, underground conduit for powerful, G. B. Pennock Electric ilghting system, F. A. Cheney. Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, N. Tesla. Electric machine, dynamo, N. Tesla. Electric machine regulator, dynamo, C. L. Buckingham. Electrical conductor, E. H. Johnson. Electrical synchronal escapement, J. F. McLaughlin. Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe. Excelsior, machine for making, J. A. Adams. Extension table, G. Schmitt. Eyeglasses, E. De Celles. Fanning mill, H. Summerfeld. Summerf	359,690 359,783 359,783 359,783 359,894 359,748 359,770 359,806 359,806 359,806 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,80
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine, dynamo, C. L. Buckingham Electrical conductor, E. H. Johnson. Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engine, device for draining the cylinders of, J. Briscoe. Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld Eyeglasses, E. De Celles Faucet for oil cans, G. W. Banker Feed water heater, A. M. Rowe Feed water heater, A. M. Rowe Fence, J. A. Devore Fence building machine, W. H. H. Fauber Fence post, J. H. Buscher Fence post, J. H. Buscher Fence post, A. W. Newton Fence, wire, J. F. Hanna Fences, machine for weaving wire, Brown & Blake Fire alarm, A. Sewel Fire and burglar alarm, electric, S. Taussig Fire arm, breech-loading, J. M. & M. S. Browning. Fire arm, breech-loading, J. M. & M. S. Browning. Fire arm, breech-loading, J. M. & M. S. Browning. Fire arm, breech-loading, J. M. & M. S. Browning. Fire arm, breech-loading, J. M. & M. S. Browning. Fire arm, breech-loading, J. M. & M. S. Browning. Fire arm, breech-loading, J. M. & M. S. Browning. Fire arm, breech-loading, J. M. & M. S. Browning. Fire box lining, A. S. Newby Fire escape, Stanhope & Esty Fire parm, breech-loading, J. M. & M. S. Browning Firely packing machine, J. B. Allfree Foot g	359,690 359,783 359,894 359,767 359,806 359,767 359,806 359,767 359,806 359,767 359,807 359,806 359,767 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric corneuts, underground conduit for powerful, G. B. Pennock Electric ighting system, F. A. Cheney. Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, N. Tesla. Electric machine regulator, dynamo, C. L. Buckingham. Electrical conductor, E. H. Johnson. Electrical synchronal escapement, J. F. McLaughlin. Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe. Excelsior, machine for making, J. A. Adams. Extension table, G. Schmitt. Eyeglasses, E. De Celles. Excelsior, machine for making, J. A. Adams. Extension table, G. Schmitt. Eyeglasses, E. De Celles. Fanning mill, H. Summerfeld. Signature for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church. Feed water heater, A. M. Rowe. Fence, J. A. Devore. Fence building machine, W. H. H. Fauber. Fence, Good, A. Buracker. Fence post, J. H. Buscher. Fence, wire, J. F. Banna. Fences, m. J. F. Banna. Fences, m. J. F. Banna. Fences, m. J. F. Banna. Fire alarm, A. Sewel. Fire alarm, A. Sewel. Fire and burglar alarm, electric, S. Taussig. Firearm, breech-loading, J. M. & M. S. Browning. Firearm, rear sight for, J. C. Kelton. Fire box lining, A. S. Newby. Fire escape, Stanhope & Esty. Fire extinguisher, J. M. Palmer. Fireplace, D. P. Lewis et al. Floors, etc., covering for, R. F. Nenninger. Floor guard, Spalding & Adams. Fountain trap, G. W. Wicks. Frame. See Lamp frame. Umbrella frame. Frame for portable structures, A. W. Tourgee. Fruit jar, J. Perkins. Fruit picker, B. D. Eaton. Frunaces, attachment for smelting, E. R., Jr., & O. R. Moret. Game board, A. E. Seliger. Game counter, C. W. Le Count.	359,690 359,783 359,894 359,748 359,767 359,806 359,767 359,806 359,767 359,867 359,867 359,867 359,877 359,867 359,867 359,867 359,868 359,671 359,666 359,624 359,694 359,694 359,694 359,893 359,694 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893 359,893
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric conductors, coupling for, F. C. Plume erful, G. B. Pennock Electric ighting system, F. A. Cheney Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engine, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld Faucet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church Feed water heater, A. M. Rowe Fence, J. A. Devore. Fence post, J. H. Buscher Fence post, A. W. Newton Fence, machine for weaving wire, Brown & Blake Fire and burglar alarm, electric, S. Taussig Firearm, breech-loading, J. M. & M. S. Browning. Firearm, sear sight for, J. C. Kelton Fire box lining, A. S. Newby. Fire escape, Stanhope & Esty Fire extinguisher, J. M. Palmer Fireplace, D. P. Lewis et al. Floors, etc., covering for, R. F. Nenninger Folding seat, S. W. Knott Foot guard, Spalding & Adams Fountain trap, G. W. Wicks Frame for portable structures, A. W. Tourgee Fruit jar, J. Perkins Fruit picker, B. D. Eaton Furnaces, attachment for smelting, E. R., Jr., & O. R. Moffet. Game board, A. E. Seliger Game counter, C. W. Le Count. Garment supporter, R. J. Kyle.	359,690 359,783 359,894 359,767 359,767 359,767 359,806 359,767 359,806 359,767 359,806 359,767 359,806 359,767 359,806 359,767 359,806 359,767 359,806 359,767 359,806 359,767 359,806 359,768 359,604 359,906 359,906 359,906 359,906 359,906 359,906 359,907 359,808 359,907 359,808 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908 359,908
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld Faucet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church Feed water heater, A. M. Rowe Fence, J. A. Devore Fence building machine, W. H. H. Fauber Fence post, J. H. Buscher Fence post, A. W. Newton Fence, wire, J. F. Hanna Fences, machine for weaving wire, Brown & Blake Fire alarm, A. Sewel Fire alarm, A. Sewel Fire and burglar alarm, electric, S. Taussig Firearm, breech-loading, J. M. & M. S. Browning Firer escape, Stanhope & Esty Fire place, D. P. Lewis et al. Floors, etc., covering for, R. F. Nenninger Fireplace, D. P. Lewis et al. Floors, etc., covering for, R. F. Nenninger Firely packing machine, J. B. Allfree Food guard, Spalding & Adams Fountain trap, G. W. Wicks Frame. See Lamp frame. Umbrella frame. Frame for portable structures, A. W. Tourgee. Fruit jar, J. Perkins Fruit picker, B. D. Eaton Furnace, set Lamp frame. Umbrella frame. Frame for portable structures, A. W. Tourgee. Fruit jar, J. Perkins Fountain trap, G. W. Wicks Frame see Lamp frame. Umbrella frame. Frame for portable structures, A. W. Tourgee. Fruit jar, J. Perkins Garment supporter, F. W. Lowe.	359,690 359,783 359,894 359,783 359,894 359,767 359,506 359,767 359,867 359,867 359,867 359,867 359,867 359,867 359,868 359,764 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric conductors, coupling for, F. C. Plume erful, G. B. Pennock Electric ighting system, F. A. Cheney Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engine, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld Faucet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church Feed water heater, A. M. Rowe Fence, J. A. Devore. Fence post, J. H. Buscher Fence post, A. W. Newton Fence, machine for weaving wire, Brown & Blake Fire and burglar alarm, electric, S. Taussig Firearm, breech-loading, J. M. & M. S. Browning. Firearm, sear sight for, J. C. Kelton Fire box lining, A. S. Newby. Fire escape, Stanhope & Esty Fire extinguisher, J. M. Palmer Fireplace, D. P. Lewis et al. Floors, etc., covering for, R. F. Nenninger Folding seat, S. W. Knott Foot guard, Spalding & Adams Fountain trap, G. W. Wicks Frame for portable structures, A. W. Tourgee Fruit jar, J. Perkins Fruit picker, B. D. Eaton Furnaces, attachment for smelting, E. R., Jr., & O. R. Moffet. Game board, A. E. Seliger Game counter, C. W. Le Count. Garment supporter, R. J. Kyle.	359,690 359,783 359,894 359,783 359,894 359,7167 359,806 359,767 359,806 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807 359,807
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric conductors, coupling for, F. C. Plume Electric conductors, coupling for, F. C. Plume Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, R. J. Sheehy Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buck- ingham Electrical synchronal escapement, J. F. McLaugh- lin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld Faucet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church Feed water heater, A. M. Rowe Fence, J. A. Devore Fence post, J. H. Buscher Fence post, J. H. Buscher Fence post, A. W. Newton Fence, Mirc, J. F. Hanna. Fences, machine for weaving wire, Brown & Blake Fire alarm, A. Sewel. Fire and burglar alarm, electric, S. Taussig Firearm, breach-loading, J. M. & M. S. Browning Firearm, breach-loading, J. M. & M. S. Browning Fire ascape, Stanhope & Esty Fire escape, Stanhope & Esty Fire alarm, A. Sewel. Fire along seat, S. W. Knott Foot guard, Spalding & Adams Fountain trap, G. W. Wicks Frame. See Lamp frame. Umbrella frame. Frame for portable structures, A. W. Tourgee Fruit jar, J. Perkins Frame. See Lamp frame. Umbrella frame. Frame for portable structures, A. W. Tourgee Fruit jar, J. Perkins Frame. See Lamp frame. Umbrella frame. Frame for portable structures, A. W. Tourgee Fruit jar, J. Perkins Frame to portable structures, A. W. Tourgee. Fruit jar, J. Perkins Frame to portable structures, A. W. Tourgee. Fruit jar, J. Perkins Fountain trap, G. W. Wicks Frame See Lamp frame. Umbrella frame. Frame for portable structures, A. W. Tourgee. Fruit jar, J. Perkins Fountain trap, G. W. Lee Count. Gas p	359,690 359,783 359,894 359,783 359,894 359,767 359,506 359,767 359,567 359,867 359,867 359,867 359,868 359,764 359,696 359,696 359,696 359,696 359,696 359,696 359,696 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,797 359,696 359,797 359,696 359,797 359,696 359,797 359,696 359,797 359,696 359,797 359,896 359,797 359,897 359,798
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric conductors, coupling for, F. C. Plume Electric conductors, coupling for, F. C. Plume Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham. Electrical conductor, E. H. Johnson. Electrical synchronal escapement, J. F. McLaughlin. Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe. Excelsior, machine for making, J. A. Adams. Extension table, G. Schmitt. Eyeglasses, E. De Celles. Fanning mill, H. Summerfeld Eyeglasses, E. De Celles. Fanning mill, H. Summerfeld Faucet for oil cans, G. W. Banker. Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church Feed water heater, A. M. Rowe. Fence, J. A. Devore. Fence building machine, W. H. H. Fauber. Fence post, J. H. Buscher. Fence post, J. H. Buscher. Fence post, J. M. Wewton. Fence, wire, J. F. Hanna Fences, machine for weaving wire, Brown & Blake. Fire alarm, A. Sewel. Fire and burglar alarm, electric, S. Taussig Fire arm, breech-loading, J. M. & M. S. Browning. Fire arm, breech-loading, J. M. & M. S. Browning. Fire box lining, A. S. Newby. Fire escape, Stanhope & Esty Fire extinguisher, J. M. Palmer Fireplace, D. P. Lewis et al. Floors, etc., covering for, R. F. Nenninger. Flour packing machine, J. B. Allfree. Front jurace, See Cellular furnace. Hot air furnace. Frame for portable structures, A. W. Tourgee. Fruit jar, J. Perkins. Fruit picker, B. D. Eaton Frame for portable structures, A. W. Tourgee. Fruit jar, J. Perkins. Fruit picker, B. D. Eaton Furnace, see Cellular furnace. Hot air furnace. Game tourter, C. W. Le Count. Garment supporter, R. J. Kyle Game tourter, C. W. Le Count. Game board, A. E. Seliger. Game counter, C. W. Le Count. Gas pressure regulator and cut-off, E. J. Fyams.	359,690 359,783 359,894 359,783 359,894 359,767 359,506 359,767 359,567 359,867 359,867 359,867 359,868 359,764 359,696 359,696 359,696 359,696 359,696 359,696 359,696 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,697 359,696 359,797 359,696 359,797 359,696 359,797 359,696 359,797 359,696 359,797 359,696 359,797 359,896 359,797 359,897 359,798
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electrical conductor, E. H. Johnson Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld Faucet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church Feed water heater, A. M. Rowe Fence, J. A. Devore Fence, J. A. Devore Fence post, J. H. Buscher Fence post, J. H. Buscher Fence post, A. W. Newton Fences, machine for weaving wire, Brown & Blake Fire alarm, A. Sewel Fire aspectations, A. S. Newby Fire escape, Stanhope & Esty Fire escape, Stanhope & Esty Fire escape, Stanhope & Esty Fire post in J. B. Allfree Folding seat. S. W. Knott Foot guard, Spalding & Adams Fountain trap, G. W. Wicks Frame for portable structures, A. W. Tourgee Fruit jar, J. Perkins Frame for portable structures, A. W. Tourgee Fruit jar, J. Perkins Frame for smelting, E. R., Jr., & O. R. Monfet Gas pressure regulator and cut-off, H. J. Hyams Gas pressure regulator and cut-off, Sollenberger	359,690 359,783 359,783 359,783 359,894 359,770 359,786 359,806 359,767 359,806 359,816 359,817 359,818 359,718 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric conductors, coupling for, F. C. Plume Electric conductors, coupling for, F. C. Plume Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electrical conductor, E. H. Johnson Electrical synchronal escapement, J. F. McLaugh- lin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe. Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt. Eyeglasses, E. De Celles. Fanning mill, H. Summerfeld. Faucet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church. Feed water heater, A. M. Rowe. Fence, J. A. Devore. Fence building machine, W. H. H. Fauber. Fence post, J. H. Buscher. Fence post, A. W. Newton Fence, wire, J. F. Hanna. Fences, machine for weaving wire, Brown & Blake. Fire alarm, A. Sewel. Fire and burglar alarm, electric, S. Taussig. Firearm, breech-loading, J. M. & M. S. Browning. Firearm, breech-loading, J. M. & M. S. Browning. Fire box lining, A. S. Newby. Fire escape, Stanhope & Esty Fire escape, Stanhope & Esty Fire box lining, A. S. Newby. Fire escape, Stanhope & Esty Fire place, D. P. Lewis et al. Floors, etc., covering for, R. F. Nenninger. Flour packing machine, J. B. Allfree. Front judges, S. W. Knott. Foot guard, Spalding & Adams. Fountain trap, G. W. Wicks. Frame. See Lamp frame. Umbrella frame. Frame for portable structures, A. W. Tourgee. Fruit jar, J. Perkins. Fruit picker, B. D. Eaton. Furnace. See Cellular furnace. Hot air furnace. Frame for portable structures, A. W. Tourgee. Fruit jar, J. Perkins. Frame for portable structures, A. W. Tourgee. Fruit jar, J. Perkins. Game board, A. E. Seliger Game counter, C. W. Le Count. Garment supporter, F. W. Lowe. Gas engine, L. T. Cornell Gas pressure regulator and cut-off, Sollenberger & Woody. Gate. See Swinging gate.	359,690 359,783 359,894 359,783 359,894 359,767 359,806 359,767 359,806 359,767 359,867 359,867 359,867 359,867 359,868 359,778 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,868 359,8769 359,868 359,8769 359,868 359,8769 359,868 359,8769 359,868 359,8769 359,8769 359,886 359,777
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric conductors, coupling for, F. C. Plume erful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham. Electrical conductor, E. H. Johnson. Electrical synchronal escapement, J. F. McLaughlin. Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe. Excelsior, machine for making, J. A. Adams. Extension table, G. Schmitt. Eyeglasses, E. De Celles. Fanning mill, H. Summerfeld. Faucet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church. Feed water heater, A. M. Rowe. Fence, J. A. Devore. Fence, J. A. Devore. Fence, J. A. Devore. Fence post, J. F. Buscher Fence post, J. F. Buscher Fence post, J. F. Buscher Fence, wire, J. F. Hanna. Fences, machine for weaving wire, Brown & Blake Fire alarm, A. Sewel. Fire alarm, A. Sewel. Fire and burglar alarm, electric, S. Taussig Firearm, breech-loading, J. M. & M. S. Browning. Firearms, rear sight for, J. C. Kelton Fire box lining, A. S. Newby. Fire extinguisher, J. M. Palmer Fireplace, D. P. Lewis et al. Floors, etc., covering for, R. F. Nenninger Floor, etc., covering for, R. F. Nenninger Floor packing machine, J. B. Allfree. Front packing seat, S. W. Knott Foot guard, Spalding & Adams Fountain trap, G. W. Wicks Frame See Lamp frame. Umbrella frame. Frame for portable structures, A. W. Tourgee. Fruit jar, J. Perkins. Fruit picker, B. D. Eaton. Furnace, See Cellular furnace. Hot air furnace. Frame for portable structures, A. W. Tourgee. Fruit jar, J. Perkins. Fruit picker, B. D. Eaton. Furnace, See Cellular furnace. Hot air furnace. Game board, A. E. Seliger Game counter, C. W. Le Count. Garment supporter, R. J. Kyle. G	359,690 359,783 359,894 359,783 359,894 359,767 359,806 359,767 359,806 359,806 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818 359,818
Electric battery, K. Pollak Electric circuit regulator, J. A. Powers Electric circuit regulator, J. A. Powers Electric conductors, coupling for, F. C. Plume Electric currents, underground conduit for powerful, G. B. Pennock Electric machine, dynamo, R. J. Sheehy. Electric machine, dynamo, N. Tesla Electric machine, dynamo, N. Tesla Electric machine regulator, dynamo, C. L. Buckingham Electrical conductor, E. H. Johnson. Electrical synchronal escapement, J. F. McLaughlin Engine. See Carding engine. Gas engine. Steam engine. Engines, device for draining the cylinders of, J. Briscoe. Excelsior, machine for making, J. A. Adams Extension table, G. Schmitt Eyeglasses, E. De Celles Fanning mill, H. Summerfeld Faucet for oil cans, G. W. Banker Feed grinder, I. & J. C. Jay Feed rolls, top pressure for, G. W. Church Feed water heater, A. M. Rowe Fence, J. A. Devore Fence, J. A. Devore Fence post, J. H. Buscher Fence post, A. W. Newton Fence, Mood, A. Buracker Fence, wire, J. F. Hanna Fences, machine for weaving wire, Brown & Blake Fire alarm, A. Sewel. Fire and burglar alarm, electric, S. Taussig Fire arm, breech-loading, J. M. & M. S. Browning. Firearm, prear sight for, J. C. Kelton Fire box lining, A. S. Newby Fire escape, Stanhope & Esty Fire escape, Stanhope & Esty Fire escape, Stanhope & Esty Fire place, D. P. Lewis et al Floors, etc., covering for, R. F. Nenninger Flour packing machine, J. B. Allfree Foot guard, Spalding & Adams Fountain trap, G. W. Wicks Frame, See Lamp frame. Umbrella frame. Frame for portable structures, A. W. Tourgee Fruit picker, B. D. Eaton Fruit picker, B. D. Eaton Furnace. See Cellular furnace. Hot air furnace. Frame for portable structures, A. W. Tourgee Fruit picker, B. D. Eaton Furnace. See Cellular furnace. Hot air furnace. Game board, A. E. Seliger. Game counter, C. W. Le Count. Gas pressure regulator and cut-off, B. J. Hyams. Gas pressure regulator and cut-off, Sollenberger & Wo	359,690 359,783 359,894 359,783 359,894 359,767 359,767 359,576 359,806 359,767 359,576 359,807 359,806 359,704 359,704 359,707 359,666 359,678 359,678 359,678 359,678 359,678 359,678 359,678 359,678 359,771 359,686 359,692 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898 359,898