

[MARCH 9, 1895.]

stamping with ink. When the plate is stamped, place a little border of common putty around and on the edge of the stamped ground. Then pour within the border enough acid mixture to cover the figure, and let it stand a few moments, according to the depth required, then pour the acid off. Rinse the surface with clean water; take off the putty border, and clean off the ink with turpentine. Use care not to spill the acid over the polished part of the article. For the acid, 1 part nitric acid, 1 part hydrochloric acid, to 10 parts water by measure. If the effervescence seems too active, add more water.

TO INVENTORS.

An experience of nearly fifty 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 unequalled facilities for procuring patents everywhere. A synopsis of the patent laws of the United States and all foreign countries may be had on application, and persons contemplating 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 United States were Granted

February 26, 1895,

AND EACH BEARING THAT DATE.

(See note at end of list about copies of these patents.)

Addressing newspapers, etc., device for, J. Burrows.	534,782
Advertising device, F. A. Miller.	534,363
Advertising device, E. Walker.	534,331
Air brake pump and apparatus, N. A. Christensen.	534,814
Air compressor regulator, J. Clayton.	534,814
Alarm check and gong, automatic, A. F. Carpenter.	534,314
Alé drawl device, C. G. Reers.	534,314
Aluminum barrels, device for packing, S. N. Hatha-	
way.	
Atomizer, A. Henz.	534,879
Axle for carriages, ball bearing, Pomroy & Hatch.	534,577
Axle vehicle, S. O. Wilson.	534,870
Bag machine, W. H. Kerr.	534,937
Baking pan, R. H. Ingraham.	534,833
Bearing, antifriction, O. B. Johnson.	534,789
Bed, couch, W. Fricke.	534,840
Bell cord support, P. G. Emery.	534,740
Bell, indicating door, J. M. Davis.	534,667
Belt guide, M. G. King.	534,860
Bicycle, F. H. Bolte.	534,934
Bicycle lantern bracket, J. C. Wells.	534,934
Bicycles, supporting clip for brake arms of, F. J. Stimson.	534,846
Binder, temporary, E. Marble.	534,857
Bobbins, presser cone point for, G. W. Snyder.	534,724
Boiler, See Steam boiler.	
Boiler, M. Mahony.	534,697
Boilers and removing impurities therefrom, device for circulating water of, S. J. Wilford.	534,773
Book binding machine, W. Clark.	534,850
Boring machine, A. S. Howe.	534,850
Bottle cap, W. H. Northall.	534,558
Bottle neck threading and finishing implement, R. Good, Jr.	534,573
Box, See Knockdown fancy box.	
Bow making machine, A. C. Hackley.	534,731
Brake, See Car brake, Electric brake.	
Brake beam, H. C. Buhop.	534,627
Brick mould sanding machine, E. Gorman.	534,713
Bridge, draw, B. L. Worden.	534,836
Bridle blind, A. E. Loveless.	534,936
Buggy top support, F. M. McMahon.	534,708
Bung, faucet, D. Beebe.	534,708
Burner, See Hydrocarbon burner.	
Calendar, perpetual, Bullock & Fairchild.	534,626
Calendar, perpetual, H. S. Stevens.	534,626
Can, See Oil can.	
Candy, confectionable, W. E. Coleman.	534,632
Cast hook, H. O. Thomas.	534,703
Car brake, railway, Kreisher.	534,800
Car brake, railway, T. Miller.	534,752
Car coupling, M. H. Cooke.	534,840
Car coupling, J. S. Cornish.	534,710
Car coupling, Mire & Judson, Jr.	534,903
Car coupling, H. C. Morton.	534,905
Car coupling, G. Palmer.	534,666
Car coupling, J. C. Taylor.	534,927
Car door, T. C. Allen.	534,940
Car fender, S. Essex.	534,822
Car fender, H. Phinney.	534,913
Car fender, A. J. Thornley.	534,983
Car propulsion, compressed air motor for street, W. Creely.	534,711
Car, railway sleeping, H. Pearson.	534,756
Car, sleeping, L. T. Bradstreet.	534,626
Car switches, mechanism for operating street, A. C. McKenzie.	534,637
Car wheel, E. A. Sperry.	534,976
Car wheel, W. J. Willets.	534,774
Carbohydrate materials, production of artificial crystalline, E. G. Acheson (r.).	11,473
Carbureting liquids, process of and apparatus for, E. Geddes.	534,849
Carburetor, H. B. Conroy.	534,702
Card grinding, top flat, H. McDermott.	534,721
Card holder, price, J. Koehler.	534,871
Cards, sewing machine for laceting together, Jacquard, R. Reid et al.	534,722
Carriage, Wilford & Clarkson.	534,938
Carriage top spring, W. W. Krutsch.	534,892
Cars, driving mechanism for dynamos located on railway, W. L. Bliss.	534,851
Cart, dumping, G. M. Pratt.	534,758
Case, See Egg case, Ticket case.	
Cash register, Miller & McLean.	534,902
Casting projectiles, J. A. Potter.	534,665
Chain for personal wear, safety, C. R. Bates.	534,946
Chair, See Ladder chair.	
Cheese factories, measuring mechanism for, C. L. Shearer.	534,921
Cheese press, F. C. Stecker.	534,702
Churn, Kelly & Haquist.	534,889
Clasp, See Garment suspending clasp.	
Clipper, hair, J. K. Stewart.	534,926
Clipper, hair, H. B. Allyn.	534,911
Clothes stretching machine, H. E. Graham.	534,819
Clutch, H. Stanley.	534,978
Clutch, friction, De Loria & Wilder.	534,862
Clutch, shaft, E. A. Sperry.	534,476
Coat supporter, E. A. Stahl.	534,725
Cock, step, F. H. Cullen.	534,733
Combination lock, electrically actuated, S. L. G. Knox.	534,650
Commutator, D. P. Thomson.	534,729
Compress, hydraulic, Sims & Fulton.	534,700
Concentrator and amalgamator for precious metals, Baudeuin & Southern.	534,777
Conveyer, endless, A. J. B. Berger.	534,808
Cooker, steam, W. M. Coventry.	534,683
Copying pads, composition for manifold, E. G. Saltman.	534,846
Corset fastening devices, locking device for, S. J. Root.	534,734
Couch and divan, combined, F. P. Wilson.	534,734
Coupling, See Car coupling.	
Culinary vessel or apparatus, J. F. McLean.	534,906
Cultivator, H. S. Overstreet.	534,910
Cultivator, harrow attachment for wheel, E. E. Barnes.	534,628
Dagger, G. C. Oscar.	534,909
Darning apparatus, W. A. Aird.	534,751
Dental engine, H. C. Refiner.	534,841
Detergent compounds, making, F. E. Coulter.	534,814
Diamond polishing tool, L. Dreyfus.	534,821
Dike, R. H. F. & N. H. Sewall.	534,914
Distilling apparatus, Mallet & Pagnier.	534,719
Distilling apparatus, ammonia, S. J. Whiteside.	534,906
Door banger, J. T. McCabe.	534,925
Door securer, W. C. Hillendorf.	534,734
Draught attachment, Harrow & Garwood.	534,645
Draught attachment, doubletree, Harrow & Garwood.	534,646
Draughting board, T. F. Dolen.	534,895
Draughting instrument, Harrison & Weddington.	534,745
Drawing machine, A. V. Von Schmidt.	534,983
Drill, See Rock drill.	
Drills, means for operating, E. Thomson.	534,730
Dust pan, K. W. Gress.	534,875
Duster, F. Nelsen.	534,884
Dye, blue, J. Bierer.	534,809
Dyeing machine, T. R. Houseman.	534,797
Egg case, H. M. Childs.	534,684
Egg case, cushion, E. W. Hargiss.	534,877
Electric brake, E. A. Sperry.	534,974
Electric conductor connector, R. D. Titcomb.	534,977
Electric current transformer, J. A. G. Trudeau.	534,678
Electric machine, dynamo, R. Elckemeyer.	534,955
Electric resistance card, A. J. Shaw.	534,698
Electrically propelled mechanism, apparatus for arresting motion of, E. A. Sperry.	534,973
Electrodeposit, manufacture of articles by, H. S. Anderson.	534,919
Elevator, T. W. Barber.	534,935
Elevator, J. C. Kadie.	534,931
Elevator automatic stop device, H. R. Smith.	534,701
Emery wheels, composition for, E. E. Towle.	534,692
End gate, wagon, D. E. LaMitz.	534,652
Engines, "Siemens" Dental engine, Steam engine.	534,652
Engines, distributing motion for double or multiple water pressure, E. Kaselowsky.	534,747
Engines, electrical lighting device for gas, C. L. Ives.	534,886
Envelope, S. Gabriel.	534,903
Excavating machine, C. A. Smith.	534,973
Exhibitor, carpet, Knox & Franey.	534,991
Eyeglasses, L. L. Miner.	534,903
Fabrics, apparatus for stretching and drying tubular, H. A. Tullar.	534,641
Feedwater heater, A. Burlingame.	534,629
Fence, D. M. Crumley.	534,635
Fence, J. Hack.	534,714
Fence machine, wire, C. M. Lamb.	534,933
Fence post, T. A. Galt.	534,825
Fender, See Car fender, Wheel fender.	
Fertilizer distributing attachment for carts, F. P. Bond.	534,810
Fewer, for back orders, bills, letters, etc., F. W. Adams.	534,624
Fire alarm telegraph, ceiling, C. A. Reife.	534,871
Flap of door, See ceiling.	
Fish hook guard, B. F. Burgess.	534,682
Flask, See Moulding flask.	
Flue cleaner, C. F. Thomas.	534,874
Footwear, C. L. Higgins.	534,666
Fracture apparatus, S. C. Robbins.	534,783
Frictional grader, A. Cerruti.	534,761
Fur plucking machine, L. Dresdner.	534,761
Garnet supporting clasp, J. F. Atwood.	534,670
Gas fixture, L. H. Stoddard.	534,877
Gearing, trammel, F. R. Goode.	534,874
Glass blowing apparatus, M. J. Owens.	534,844
Glue cutting machine, D. Jarvis.	534,876
Gun barrels with stocks, detachably uniting, L. H. Hepburn.	534,891
Gun, magazine, J. Laumann.	534,884
Harrow, H. P. Deucher.	534,871
Harvester, A. W. Sternke.	534,845
Harvested, C. A. Lee et al.	534,885
Heater, See Feed-water heater, Oil heater.	
Heating device, J. Cunningham.	534,784
Hock, See Cant hook, Fish hook.	
Horse rake, Caraway & Ramsey.	534,950
Horseshoe, heel padded, J. P. Buengers.	534,811
Hose reel, A. S. Spadone.	534,765
Hose reel attachment, A. A. Spadone.	534,764
Hub attaching device, R. B. Liddell.	534,764
Hydraulic motor, rotary, S. T. Tutthill.	534,772
Hydraulic power motor, Allen & Welcker.	534,911
Hydrocarbon burner, H. W. Parker.	534,858
Ice machine condenser, Cook & Pickrell.	534,858
Incandescent light, H. F. Rooney.	534,971
Insect catcher and destroyer, L. J. Severson.	534,673
Insulated electrical conductors, apparatus for manufacture of, L. W. Downes.	534,786
Insulating electrical conductors, method of and apparatus for, L. W. Downes.	534,785
Iron or steel, making, M. R. Conley.	534,966
Jar or bottle cover and fastener, J. L. & E. A. De Steiger.	534,804
Joint, See Pipe joint.	
Kerogen, electrically operated, J. Kuff.	534,961
Knife, See Mincing knife.	
Knife, jumelles, making, E. F. Linder.	534,654
Knitting machine, H. Pulster.	534,969
Knockdown fancy box, H. J. Erkenswick.	534,788
Knot trimmer, N. Johnston.	534,887
Lacing hooks, making covered, M. N. Bray.	534,781
Ladder chair, G. W. Darby.	534,952
Ladders, support for traveling hangers for step, J. T. McCabe.	534,961
Lamp, Keebler & Hanau.	534,874
Lamp, Kester & Hanau.	534,874
Lamp, electric, A. T. Fox.	534,852
Lamp, electric, are, H. O. Swoboda.	534,677
Lamp standard, Flynn & Norton.	534,742
Last, F. E. Bentos.	534,778
Lated and check, combined, R. Wright.	534,705
Latenge, See Latent.	
Lathing attachment, J. Richards.	534,705
Leather mechanism, L. H. Hooper.	534,695
Leather, safe and cigar cutter, combined, F. C. Ludlow.	534,899
Liquid raising apparatus, F. H. Merrill.	534,985
Liquid raising apparatus and process, F. H. Merrill.	534,985
Magnetic stop motion, E. J. Ashley.	534,625
Magnetic leakage, method of and means for preventing, E. Thomsen.	534,731
Match safe and cigar cutter, combined, F. C. Ludlow.	534,731
Meter, See Watt meter.	
Mining knife, N. R. Streeter.	534,984
Molding hawk, J. Byrnes.	534,949
Motor, See Hydraulic motor, Hydraulic power motor.	
Motor, S. Bean.	534,947