

[OFFICIAL.]

Index of Inventions

For which Letters Patent of the United States were granted

FOR THE WEEK ENDING MAY 14, 1872, AND EACH

BEARING THAT DATE.

Table listing inventions with patent numbers, including Alarm for money drawers, Artist, model stand for, Bagholder, E. L. Lyon, Bag filler, W. H. and J. G. Mitchell, Bale tie, cotton, W. McNabb, Bale tie, cotton, E. A. Franklin, Bed bottom, E. T. Gilmore, Bed bottom, spring, M. A. Richardson, Bed bottom, spring, N. W. Clark, Best end fastening, C. M. Gilbert, Bee hive, P. O. Petersen, Bench hook, J. W. McGill, Bit, driving, C. Hule, Blind sash, D. Kelly, Blower, rotary, T. Lefell, Boat propulsion, canal, I. J. Hilgerd, Boiler, steam, S. Harris, Bolt threading machine, G. W. Frost, Bolt threading machine, J. J. Grant, Bolts, machine for threading, S. H. Wright, Boots and shoes, mode of cutting soles for, G. James, Boots and shoes, mold for, W. J. B. Mills, Boots and shoes, counter for, J. Brackett, Bottle capping machine, A. C. Jordan, Bows for archery, E. S. Morton, Box, muff, R. S. Jennings, Bread cutter, Hansen and Andersen, Brick machine, McLean and Benner, Bridge, hose, L. W. Hodges, Brush for dust pan, W. M. Conger, Buckle, harness, S. S. Sargeant, Butter worker, R. Lapham, Buttons, etc., treating wood for sleeve, O. Knipfer, Can, paint, Bean and Stevenson, Can, packing case for oil, T. Scantlin, Candlestick, J. Williams, Cap box, A. Gove, Car, street, J. Stephenson, Car, dumping, J. C. Wiswell and F. A. Wiswell, Car, railway, A. V. Ryder, Car coupling and buffer, A. Stevens, Car spring, J. J. Fields, Car coupling, C. L. Horack, Car coupling, J. L. Mareness, Carding machine, C. Jones, Carpet stretcher, J. Lindsay, Carpet, W. Wallace, Carriage wheel, axle for, G. W. Ray, Carriage clips, die for forming blanks for, F. B. Morse, Carriage, iron gear for, C. L. Leonard, Carriage door, lanau, H. Killam, Carriage wheel hub, C. C. Holt, Chair, C. B. Howard, Chest and box, fastening for, J. H. Marvill, Churn, J. Mayes, Clock attachment to gas burner, P. C. Bensel, Cloth, etc., gas proof, W. B. Taylor, Cigar tips, composition for covering, J. H. Harris, Coat, H. Kuhlman, Column, metallic, F. H. Smith, Cultivator, W. Kleffel, Cultivator, W. H. Murray, Cultivator, W. H. Vick, Curtain fixtures, A. Roelofs, Curtain fixtures, H. H. Phillips, Curtain fixtures, J. L. Young, Dentists' use, preparing gold for, G. J. Pack, Digger, post hole, W. E. Ball, Digger, potato, B. Avis, Doll, paper, J. T. Brown, Dough roller and cutter, W. F. Rippon, Drill, grain, J. Milton, Earth closet, N. P. Rider, Electromagnetic apparatus, circuit closer for, M. G. Farmer, Electromagnetic engine, M. G. Farmer, Ellipsograph, A. W. Browne, Emery wheel, W. S. Jarboe, Engine, traction, J. H. Smith, Engine, operating valve of steam, W. H. Guild, Engine, rotary, J. E. Hanger, Engine, jet condenser for steam, G. W. Hall, Eraser for pencil, detachable, W. K. Evans, Excavator, E. B. Meatyard, Fastener, shutter, W. W. and C. E. Williams, Fastener, sash, W. E. Sparks, Faucet, beer, L. Mullenhoft, Fire arms, breech loading, C. F. Russell, Furnace for soldering tin cans, G. W. Fisher, Garden, window, H. Whittemore, Gas and vapors from petroleum, generating, A. I. Ambler, Gas retort, air tight joint for, Dietrich and Schissler, Gas generator and carbureter, J. H. Steiner, Gases, purifying, W. T. Kosinski, Gloves, C. J. Brown, Glove clasp, J. L. Weir, Grate, N. A. Boynton, Harrow, T. E. C. Brinly, Harvester, O. Farra, Harvester, C. McCombie, Harvester raker, W. H. Hurlbut, Harvester, raker, E. M. Smith, Harvester rake, C. Wheeler, Jr., Hat, and block for forming, ventilated, W. F. Warburton, Hatchel, hair turning, L. Wilbur, Hinge, S. Stinger, Hinge, E. Swan, Hinge, W. R. Searle, Hinge, J. K. Otis, Hoe and rake, combined, W. M. McLendon, Horse collar, lining for, D. Curtis, Horse cap, D. Curtis, Ice cream, machine for manufacturing, C. Gooch, Indigo, manufacture of, T. T. Woodruff, Injector, pile ointment, L. Heans, Iron, manufacture of, J. J. Johnston, Iron, puddling, J. J. Johnston, Jack, lifting, A. M. Gilmore, Knitting machine, J. Braley, Knobs to their shafts, clasp for securing, J. W. Haines

Table listing inventions with patent numbers, including Knob, rose for door, W. H. Mattson, Knobs to their spindles, attaching, A. G. Grey, Lamp, street, A. Burger, Lamp, J. Cook, Lamp, safety, H. Freeman, Lamp chimney cleaner, L. Granger, Lamp, self lighting, W. A. Leonard, Last for shoes, W. J. B. Mills, Lathe, met l turning, M. G. Stolp, Leather, gage for splitting, J. N. Baird, Lift, exercising, R. Forward, Lock, face plate and strike for, J. M. Spring, Lounge, bed, Wunsch, Stuhlfreyer, and Schwarz, Lubricator, W. T. Garratt, Meat chopping machine, J. L. Good, Medical compound, J. Kornitzer, Meter, grain, R. Rutherford, Meter, liquid, H. Chandler, Meter, fluid, J. Dooling, Miter box, Bower and Mohler, Nail, horseshoe, J. Josey, Nail extractor, E. A. Franklin, Neck tie, fastening for, C. Winterbottom, Nut and axle for vehicles, lock, T. F. Van Keuten, Oiler for steam engine, automatic, T. Sims, Ore washer, W. T. Rickard, Packing, gasket, G. W. Coffee, Paddle wheel, J. S. Swann, Pail'slop, J. G. Roth, Paper cutter, desk, J. W. Wetmore, Parer, apple, W. M. Griscom, Pavement, wood, G. A. Beldler, Pencil, composition for indelible, E. P. Clark, Piano forte, duplex agraffe scale for, C. F. T. Steinway, Pickets, machine for heading, Heiser and Snyder, Pictures from photographic and other negatives, producing, W. B. Woodbury, Picture frame, L. N. B. Gray, Pin, safety, R. W. Huston, Pipe, water, D. Allen, Plane, C. Jensen, Planter, automatic seed, D. Lorriaux, Planter, corn, J. Selby, Planter, corn, W. H. Crosby, Plow, Weeks and Trimble, Plow, B. W. Tuttle, Plow colter, B. W. Tuttle, Popper, corn, Curtis and Palmer, Press, screw, J. J. Crawford, Press, cotton, J. W. Miller, Press, baling, F. B. Wallin, Pump, steam, W. E. Kelly, Pump, J. Mayher, Pump, steam, G. J. Roberts, Railroad rail, bolt holder for, D. C. Baker, Railway, J. H. Connelly, Range, heating and cooking, W. A. Greene, Refrigerator, revolving, Avery and Atkins, Refrigerator, H. C. Cain, Refrigerator, J. Marx, Rein, check, R. B. Robbins, Roofing composition, W. W. Wilcox, Sash elevator and lock, M. W. Montgomery, Saw mill, circular, N. Zierden, Saw gang, band, W. J. McLane, Saw mill, J. H. Smith, Sawing machine, wood, Hartenstein and Hyman, Sawing machine, scroll, J. D. Powers, Sawing felles, machine for, J. B. Zimmerman, Sawing machine, band, B. D. Whitney, Screen, window, C. A. Pease, Screen for window, sliding, J. L. Field, Screw driver, J. A. King, Sounding apparatus, deep sea, H. Flad, Separator, middlings, E. N. Lacroix, Separator, grain, J. L. Custer, Sewer trap, C. Stubenbord, Sewing machine, tuck creaser for, P. Doran, Sewing machine, bobbin winder for, W. H. Newton, Sewing machine, C. Stebbins, Sewing machine, thread cutter for, C. H. Wolcott, Sewing machine, feeding mechanism for, D. M. Smyth, Shoe welt, machine for cutting, J. H. Russell, Shoe, manufacture of, W. J. B. Mills, Shoe, Rose and Mason, Soap, apparatus for making, R. Freeland, Soldering tool, Tillery and Ewalt, Spy glass adjustment, A. V. Ryder, Stamp, butter, T. Mabbett, Jr., Stand, coal hod, W. M. Conger, Staples, machine for making, A. Whittemore, Steel, manufacture of, J. J. Johnston, Stool, scrubbing, Delke and Helmstadt, Stove platform, W. M. Conger, Stove, base burning, E. Smith, Stove, cooking, T. White, Stump puller, I. Larrance, Syringe, vaginal, A. M. Dye, Table, extension, J. Pleakharp, Teaching, etc., magnetic indicator for, J. Unna, Teeth, base for artificial, F. Hickman, Telegraph apparatus, duplex, J. B. Stearns, Telegraph, switch for printing, P. Kenney, Ticket holder, J. W. Rockafellow, Tournure, A. W. Thomas, Toy blocks, E. H. Muldaur, Trace carrier, P. A. Snyder, Trap, fly, M. V. Bulla, Thrashing machine, grain separator for, J. W. Breese, Ventilator for car, T. W. Freeborn, Vehicles, fifth wheel for, J. Du Bols, Vehicles, elastic wheel for, G. M. Ramsay, Vehicles, seat for, J. Richert, Walking stick and tool, combined, C. G. Young, Washer, dish, S. D. Moxley, Washing machine, A. Brown, Washing machine, Bullock, Tuller and Binney, Jr., Watch wheel, Castle and Castle, Water wheel, L. M. Sharp, Water wheel, T. Chester, Water accelerator, E. B. Meatyard, Water cistern, compound for use in constructing, D. H. Weeks, Whipsocket, S. C. Hamlin, Whip handles, method of stitching covers on, D. N. Goff, Wine, apparatus for aging, Luquet and Huerne, Wire, device for milling, N. C. Perry, Wood, compound for filling the pores of, N. Surges, Wrench, Taft and Coes, Wringer, clothes, C. W. Bassett

Table listing inventions with patent numbers, including 5,850.—CARPET.—O. Heinigke, New York city, 5,851.—PENCIL CASE.—W. S. Hicks, New York city, 5,852 and 5,853.—CARPETS.—E. J. Ney, New York city, 5,854.—STATUARY.—J. Rogers, New York city, 5,855.—CARPET.—J. H. Smith, Enfield, Conn., 5,856.—MATCH BOX.—H. Sommer, Jr., Newark, N. J., 5,857.—PHOTOGRAPHS.—J. G. Stewart, Carlville, Ill., 5,858.—COAT AND HAT HOOK.—A. B. Tanner, New Haven, Conn., 5,859.—COOKING STOVE.—N. S. Vedder, Troy, and S. Heister, Lansingburgh, N. Y.

Table listing trade marks registered, including 811.—HAMES.—Baker, Carr & Co., Andover, N. H., 812.—TEAS.—Castle Brothers, San Francisco, Cal., 813.—BAKING POWDER.—G. F. Gantz, New York city, 814.—WILD BLACKBERRY BITTERS.—L. Landsberger & Co., San Francisco, Cal., 815.—CIGAR.—E. Parodi, Key West, Fla., 816.—COUGH SIRUP.—J. S. Pemberton, Atlanta, Ga., 817.—MEDICINES.—Pettit & Barker, Fredonia, N. Y., 818.—COAL.—G. R. Tuttle, Cleveland, Ohio, 819.—PLOWS, ETC.—Ward & Hugh, East Avon, N. Y., 820.—STUFFING LEATHER.—J. B. Young, Chicago, Ill.

Table listing schedule of patent fees, including On each Caveat \$10, On each Trade-Mark \$25, On filing each application for a Patent (seventeen years) \$15, On issuing each original Patent \$30, On appeal to Examiners in Chief \$20, On appeal to Commissioner of Patents \$20, On application for Release \$20, On application for Extension of Patent \$20, On granting the Extension \$20, On filing a Disclaimer \$10, On an application for Design (three and a half years) \$10, On an application for Design (seven years) \$15, On an application for Design (fourteen years) \$30

For Copy of Claim of any Patent issued within 30 years... \$1

A sketch from the model or drawing, relating to such portion of a machine as the Claim covers, from... \$1 upward, but usually at the price above-named.

The full Specification of any patent issued since Nov. 20, 1866 at which time the Patent Office commenced printing them... \$1-25

Official Copies of Drawings of any patent issued since 1836, not can supply at a reasonable cost, the price depending upon the amount of labor involved and the number of views.

Full information as to price of drawings in each case, may be had by addressing MUNN & CO., Patent Solicitors, 37 Park Row, New York.

APPLICATIONS FOR EXTENSIONS.

Applications have been duly filed, and are now pending, for the extension of the following Letters Patent. Hearings upon the respective applications are appointed for the days hereinafter mentioned: 21,213.—MACHINE FOR FORGING NAILS.—S. S. Putnam. July 31, 1872. 21,275.—ICE STAND.—H. A. Roberts. August 7, 1872. 21,311.—SECURING PLANE IRON.—L. Bailey. August 14, 1872.

EXTENSIONS GRANTED.

20,243.—FINGER OR GUARD FOR HARVESTERS.—L. Miller. 20,192.—EXPANSIVE BIT.—W. A. Clark. 20,245.—SEWING MACHINE GUIDE.—L. W. Serrell.

EXTENSIONS REFUSED.

Extension of Robert Wilson, of Milton, Pa., for fly nets. Patented May 11, 1858; refused May 10, 1872. Extension of G. W. Morse, of Greenville, S. C., for cartridge cases. Patented May 11, 1858; refused May 11, 1872. Extension of Jeroboam B. Creighton, of Akron, Ohio, for railroad cars for day and night service. Patented May 18, 1855; refused May 9, 1872.

Value of Extended Patents.

Did patentees realize the fact that their inventions are likely to be more productive of profit during the seven years or extension than the first full term for which their patents were granted, we think more would avail themselves of the extension privilege. Patents granted prior to 1861 may be extended for seven years, for the benefit of the inventor, or of his heirs in case of the decease of the former, by due application to the Patent Office, ninety days before the termination of the patent. The extended time inures to the benefit of the inventor, the assignees under the first term having no rights under the extension, except by special agreement. The Government fee for an extension is \$100, and it is necessary that good professional service be obtained to conduct the business before the Patent Office. Full information as to extensions may be had by addressing MUNN & CO., 37 Park Row.

FOREIGN PATENTS--A HINT TO PATENTEES.

It is generally much better to apply for foreign patents simultaneously with the application in the United States. If this cannot be conveniently done, as little time as possible should be lost after the patent is issued, as the laws in some foreign countries allow patents to any who first make the application, and in this way many inventors are deprived of valid patents for their own inventions. It should also be borne in mind that a patent is issued in England to the first introducer, without regard to the rights of the real inventor; therefore, it is important that all applications should be entrusted to responsible agents in this country, who can assure parties that their valuable inventions will not be misappropriated. The population of Great Britain is 31,000,000; of France, 37,000,000; Belgium, 5,000,000; Austria, 36,000,000; Prussia, 40,000,000; and Russia, 70,000,000. Patents may be secured by American citizens in all of these countries. Mechanical improvements of all kinds are always in demand in Europe. There will never be a better time than the present to take patents abroad. We have reliable business connections with the principal capitals of Europe. A large share of all the patents secured in foreign countries by Americans are obtained through our Agency. Address MUNN & CO., 37 Park Row, N. Y.

NEW BOOKS AND PUBLICATIONS.

SPECTRUM ANALYSIS EXPLAINED, illustrating its Uses to Science, and including the Theory of Sound, Heat, Light, and Color. Being No. 3 of "Half Hour Recreations in Popular Science." Price 25 cents. New York: Lee, Shepard, and Dillingham, and John Wiley and Son.

PRINCIPLES OF POLITICAL ECONOMY; with Some of their Applications to Social Philosophy. By John Stuart Mill. New York: Lee, Shepard, and Dillingham; Boston: Lee and Shepard.

A full and exhaustive criticism of this book will not be expected in this place. The renown of its author as a logician, the lucidity of his style, and the clearness of his reasoning are well known. Of his doctrines, it must be said, and their author would doubtless allow, that there are exceptional circumstances in various forms of human society that might render their application unavailing. But the book is worthy of study by everybody who is interested in the welfare of the community in which he lives. Succinct, clear, and terse, without a superfluous paragraph in it, the book is full of mental "meat," and any student, either of political economy, logic, or the language, will do well to master its contents.

DESIGNS PATENTED.

Table listing designs patented, including 5,846.—COUPE.—W. H. Bradley, New Haven, Conn., 5,847 and 5,848.—CARPETS.—J. H. Bromley, Philadelphia, Pa., 5,849.—CARPET.—J. Fisher, Enfield, Conn.