

[OFFICIAL.]

INDEX OF INVENTIONS

FOR WHICH

Letters Patent of the United States were Granted in the Week Ending

December 9, 1879,

AND EACH BEARING THAT DATE.

[Those marked (r) are reissued patents.]

A complete copy of any patent in the annexed list, including both the specifications and drawings, or any patent issued since 1867, will be furnished from this office for one dollar. In ordering please state the number and date of the patent desired, and remit to Munn & Co., 37 Park Row, New York city.

Table listing various inventions such as Air heater, Air heating attachment, Animal trap, Antiseptic and deodorizing compound, Bag, A. Smith, Bedstead, folding, S. S. Burr, Beer cooler, F. Heller, Beer, manufacture of, E. Kokosinski, Belt, L. Aarons, Belt fastener, C. W. Sager, Belting machine for making rubber, J. Murphy, Bicycle, S. Sawyer, Blacksmith's tool, L. C. Derry, Blind fastener, window, W. H. B. Allen, Book, copy, J. W. C. Gilman, Bridge, B. Houts, Bridge and turn-table, turn, D. Blanchard, Buggy top, J. H. & E. M. Keller, Burglar alarm, A. J. Ridgeway, Button card, G. P. Farmer, Button or stud, separable, F. P. Barney, Button, separable, A. R. Lendner, Canops, etc., die for cutting, J. W. Farrell, Car coupling, J. M. Van Why, Car jack, J. J. Hamilton, Car window, W. W. Mackall, Jr., Carpet lining and stair pad, M. Townsend, Carriage brake, baby, W. F. Wallberg, Carriage brake lock, G. E. Clarke, Carriage top prop, H. K. Porter, Cart, dumping, G. B. Wiestling, Caster, furniture, J. H. Schlott, Churn, J. Wolf, Clock, calendar, W. L. Bundy, Clock, electro-magnetic, C. Shepherd, Coal as fuel, utilization of the dust or culm of anthracite, L. L. Crouse, Coal hod, W. Easterbrook, Cook, gauge, H. C. Montgomery, Coffee preparation, H. H. Snow, Collar, horse, B. Palmer, Corset steel fastening, L. Hill, Cotton gin, H. N. Reid, Cotton opener, R. Kitson, Cotton scraper, J. M. Richards, Crib and bedstead, interconvertible, S. S. Burr, Cuffs, box for displaying, S. W. Wilson, Culinary apparatus, R. J. Gatling, Cultivator, H. Blooded, Cultivator, J. M. Elder, Cultivator, D. Unthank, Cultivator, cotton, R. W. Spencer, Cutter head, F. Krein, Damper, automatic hot and cold air, J. W. Crary, Damper regulator for steam boilers, V. H. Hallock, Dish drainer, folding, C. E. Stearns, Disinfectant and deodorizer, R. M. Canfall, Disinfecting apparatus for waterclosets, etc., E. J. Mallett, Jr., Drawing frame, J. Smith, Dredged material, transporting and delivering, A. E. Hall, Dredging machine, E. Chaquette, Embalming fluid, J. H. & H. B. McCarty, End gate, wa on, W. Alcorn, Envelope, sample, T. J. Gorman, Fan, extensible, Havell & Williams, Fare register, J. W. Meaker, Feed water regulator, T. E. Button, Feneces, barbed top for, W. Osmond, Ferro-cyanides, process of and apparatus for making, Tochemiac & Gunzburg, Fertilizer distributor, S. H. Everett, Firearm magazine, J. M. Marlin, Folding machine, turn sheet, Mendham & Chambers, Jr., Friction device, C. C. Klein, Furnace grate, H. E. Woods, Furnaces, device for feeding air to, Bartlett & Wilson, Gas burner, P. Faltoni, Gas lighter, electrical, W. H. H. Whiting, Gas motor engine, G. W. Daimler, Gas retort, charger, A. Q. Ross, Gas retort discharging apparatus, A. Q. Ross, Gas retort discharging machinery, A. Q. Ross, Gate, F. M. Nixon, Grain binder, S. D. Locke, Grain binder, L. J. McCormick, Grain separator, C. E. Merrifield, Grater, nutmeg, C. F. Chase, Grinding machine, L. Seiffert, Hame dressing machine, F. Krein, Harness, M. A. Frost, Harrow, sulky, C. La Dow, Harvester, J. L. Owens, Hats or caps, peak or brim for, O. G. Brady, Hay gathering and cocking machine, Smith & Davis, Hay rake, horse, W. P. & C. E. Clark, Heel burnishing machine, T. L. Keif, Hoe tooth, horse or hand, D. W. Hughes, Hoop, J. Naylor, Jr., Horn cutting machine, G. M. Cruickshank, Horseshoe nails, manufacture of, W. W. Miner, Hydraulic press, J. Watson, Inflatable form for displaying articles, T. J. & H. J. Braun, Injector for steam boilers, L. E. Hogue, Insecticide compound, Lyons & Ziegler, Iron, fluxing compound for making, J. Tate, Ironware, manufacture of enameled cast, E. C. Quinby, Knitting machine, M. Hitchook, Lacing hook, J. Briggs

Table listing various inventions such as Lamp, electric, R. A. Kipling, Lamp globe base, E. Blackman, Lamp, street, E. Boesch, Lantern, signal, T. S. Easterbrook, Last and standard, W. H. Lounsbury, Leathercreasing machine, C. J. Cooper, Loom for weaving pile fabrics, J. C. Ellison, Macaroni, preparing and canning, J. H. Irwin, Millstone dressing machine, T. P. Benton, Millstone driver, W. Johnson, Mines, machine for raising tailings in, E. Chaquette, Mower, lawn, Hartmann & Braun, Nut lock, J. Lee, Oatmeal machine, L. G. Thorp, Ore separator, J. I. Peyton, Oven shelf, automatic, D. G. Littlefield, Packing, metallic, R. Doty, Paper bag machine, W. C. Cross, Paper bag machine, E. B. Stocking, Paper machinery, felt for, E. B. Hayden, Paper, manufacturing, C. T. Tomkins, Pessary, D. Diller, Petroleum oils, refining, E. C. Kattell, Pipe wrench, D. P. Foster, Pitcher, H. Berry, Planter and roller, corn and seed, A. Sutton, Planter, corn, G. W. Bevis, Planter, corn, B. M. Pulliam, Planter, cotton and seed, E. B. Loyless, Plaster's mould, C. Kleinschmidt, Plow, wheel, T. L. Riney, Printing and folding machine, Chambers, Jr. & Mendham, Pruning implement, J. W. Cogswell, Puddling furnace, revolving, F. R. Crampton, Pump, W. S. Blunt, Pumps, operating, Moore & Dickie, Rail, compound, W. J. Holman, Railway signal, W. E. Badger, Railway signal, electric, J. I. Conklin, Jr., Refrigerating liquids, apparatus for, Young & Neilson, Refrigerator, W. Dreuske, Rein, elastic driving, B. A. Davis, Rein holder, S. J. Woolf, Rein loops, swivel for bridle, J. B. Hampton, Roads and tracks, machine for leveling and sweeping, A. H. Mooers, Rooker for furniture, platform, A. Hentshel, Rolling mill, R. M. Bassett, Roofing compound, U. Baker, Rotary engine and pump, S. D. & J. Barrow, Rubber goods, apparatus for and method of seaming, W. B. Carr, Sad iron, C. P. T. La Roche, Saddletree, E. B. Light, Safe, E. Stockwell, Saw guide, circular, E. M. Guernsey, Saw sharpening machine, W. L. Covel, Scoop, hop, N. E. Hinds, Seat or bench, R. W. How, Sewing machine button hole attachment, R. H. St. John, Share and point, combined, J. Killefer, Sheep protector, J. R. Speer, Ship hatches, fastening for, A. Johnson, Slop jar, E. B. Jewett, Snap hook, J. B. Hampton, Soldering sheet metal cans, machine for, J. W. Farrell, Sower, seed, B. T. Genthner, Spoon, medicine, B. T. Trueblood, Square and bevel, combined, J. D. Hobbs, Stamp mill, H. Ahlborn, Starch clearing, etc., woven fabrics, process and machinery for, I. E. Palmer, Steam and other boilers, S. Thacker, Steam boiler, Brown & Seymour, Steam boiler covering, T. Merriam, Steamer, feed, G. R. & M. M. Loomis, Steering apparatus, vessel, A. Johnson, Stirrup pad, saddle, R. E. Whitman, Stone, artificial, Raedler & Marazzi, Stove grate, W. Phipps, Street sweeping apparatus, E. C. Bowne, Stud for boots and shoes, lacing, A. Dawes, Sugar, coloring, O. H. Krause, Sulky, trotting, Williams & Brown, Telephone, A. K. Eaton, Telephone, carbon, T. A. Edison, Telephone exchange, automatic, Connolly & McTigue, Telephonic circuit, A. K. Eaton, Thermometer, L. Peroni, Thill coupling, J. O. Flower, Thrashing machine, flax, J. W. Crooks, Tile gate, P. M. Earle, Tire shrinker, Stroud & Shuman, Tire upsetting device, E. Dupue, Tobacco, treating, C. S. Phillips, Toggle presses, driving gear for, F. W. & W. J. Crossley, Truck, E. J. Leyburn, Trunk lock, G. V. Luce, Urn, coffee, E. H. Hawley, Uterine support, galvanic, O. E. Herriock, Valve for steam engines, expansion, A. Bretonneau, Valve gear, steam engine, C. W. Copeland, Vehicle bows and shafts, cover for, B. J. Warden, Vehicle shifting rail, T. H. Graves, Velocipede, A. Kneip, Wagon, dumping, W. Evans, Wagon rack, J. McCallum, Wagon, steam road, O. C. Harris, Wagon tail board catch, H. Havens, Washboard, J. T. Sargent, Wash boiler fountain, W. Barton, Washing and beating skeins or hanks, machine for, G. Morlot, Washing and wringing machine, combined, T. J. Baldwin, Washing machine, D. B. Dorsey, Watches, dial attachment for stem winding, C. P. Corless, Waterwheel, current, J. J. Collins, Wind engine, S. Lane, Windwheel, Longyear & Clark, Wire twisting machine, J. Gobbels, Wires, machine for beveling and truing, I. N. Forrester, Wool washing machines, roll for, F. G. Sargent

DESIGNS.

Table listing designs such as Organ case, J. H. White, Printing types, Pettit & Russ, Toyholder for fireworks, E. R. Ives, English Patents Issued to Americans, December 5 to December 9, 1879, inclusive, Button hole machine, T. S. L. Howard, United States.

Table listing various inventions such as Carpet sweeper, H. L. Judd, New York city, Electric signal for railroads, J. I. Conklin, Jr., N. Y. city, Electromagnet, J. F. Bailey, New York city, Food, farinaceous, M. B. Loyd et al., New York city, Harvester, F. Wood, Albany, N. Y., Journals and bearings, J. H. McLean, St. Louis, Mo., Measures, liquid, J. M. Thayer, Randolph, Mass., Paper for checks, etc., and ink therefor, H. M. Walker et al., New York city, Paper folding machine, R. M. Hoe et al., N. Y. city, Sewing machines, G. Juengst, New York city, Shovel for hop kilns, N. E. Hinds, Cooperstown, N. Y., Stench trap, T. G. Knight, New York city, Telephones, J. F. Bailey, New York city, Telephonic communications, R. G. Brom et al., N. Y. city.

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