

RECENTLY PATENTED INVENTIONS.

The inventions described in this Department were Patented through the Scientific American Patent Agency.

Electrical Devices.

AUTOMATIC FIRE-ALARM TRIP.—F. A. KEHL and A. F. WRIGHT, Tacoma, Wash. The device is designed to put into operation a fire-alarm box by pulling down its operating lever whenever an electric circuit is closed to the electromagnetic devices forming part of the invention. It is designed more especially to be used in connection with sprinkling systems and such fire protection systems as are employed in large factories where it is important that the fire department shall be apprised of the fire at the earliest possible moment in addition to the protection afforded by the sprinkling system.

ELECTRIC BURGLAR ALARM.—S. B. HESS, New York, N. Y. The invention relates to an improved alarm which is sounded whenever a person attempts to break into a room through the windows, doors, and transoms, or if he attempts to interfere with the alarm bell. The bell will continue ringing until a person knowing the particular combination and possessing a proper switch key arrives to stop it.

Of General Interest.

POST HINGE FOR WATER CLOSET SEATS, COVELS AND THE LIKE.—G. A. GEARY, New York, N. Y. The invention provides an improved post hinge for water closet seats, covers and like articles, arranged to hold the seat normally in a raised position. The construction allows of swinging the seat or cover to a closed position, but will return it to normal position when released.

WINDOW.—W. J. SUMMERBELL, Chicago, Ill. The frame of this window is constructed of a number of layers of material, an outer and an inner layer of fireproof material, preferably hard asbestos board, and an intermediate layer of reinforcing, ordinarily sheet metal, the whole being secured together by bolts with the nuts located on the inside.

PNEUMATIC CUSHION INSOLE.—W. L. GORDON, Deal, N. J. This pneumatic insole is designed to provide a good cushioning effect at the heel and operates at the same time to ventilate the forward portion of the shoe. When pressure is brought to bear upon the heel air is forced forward under the toe of the insole.

Heating and Lighting.

DEVICE FOR CREATING A CENTRAL DRAFT FOR FIREBOXES.—G. F. PANNEBAKER, St. Louis, Mich. The purpose of this invention is to provide an attachment for the fireboxes of stoves, furnaces, grates, etc., which will operate to create a draft within the body of the fuel whereby the latter will be completely consumed, and the heat will be thrown from the center of the stove outwardly to the sides.

Machines and Mechanical Devices.

CLUTCH.—F. M. NICHOLS, Chillicothe, Ohio. This invention is an improvement in clutches, consisting of a construction which is easy to operate and which can readily be moved into and out of the clutched position. The operation of the device is aided by the provision of anti-friction mechanism.

AGITATOR FOR WASHING MACHINES.—J. ST. C. JAMES, Iktawatha, Kans. The agitator consists of several cone-shaped hollow bodies open at their outer ends and connected together at their smaller or inner ends. These are attached to a shaft which is so mounted that it may be rotated and lifted or lowered at will. In operation, as the agitator is lowered the water is moved toward the center of the tub, and when the agitator is lifted the water returns to the periphery of the tub.

NOTE.—Copies of any of these patents will be furnished by Munn & Co. for ten cents each. Please state the name of the patentee, title of the invention, and date of this paper.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending October 20, 1908,

AND EACH BEARING THAT DATE [See note at end of list about copies of these patents.]

Table listing various inventions such as Account system, Accounting system, Acids, Adjustable bracket, Advertising bill book, Agricultural tractors, Air brake, Air compressor, Amusement device, Animal dipping device, Automobile, Automobile wheels, etc.

Table listing various inventions such as Automobiles, Automobiles and chauffeurs, Awning reflector screen, Band cutter and fee, Barrels, Basin and trap, Baths, Batteries, Batteries, switch for charging and discharging storage, Bearing for shafts, Bed, Bed spring, Beet unloader, Bicycle fork, Binder, loose leaf, Bleaching fats, oils, resins, waxes, and the like, Bolt locking device, Book or pad, manifold copy, Bottle closer, milk, Bottle drying machine, Bottles, effecting the closure of, Box lid holder, Box press and book-making apparatus, Box sanding machine, Boxes, machine for punching and trimming metal stay strips for, Brace, A. E. Smith, Brake, W. H. Mitchell, Brake head, Bowman & Harmeyer, Brake mechanism, A. Balloco, Brake wheel, D. J. Montambo, Bread, cake, and pie lifter, Brick and tile cutting machine, Brick machines, expressing screw or auger for, H. Neitzel, Brush case, tooth, R. Sewell, Brush handle, P. A. Pines, Brush kit, blacking, S. W. Emory, Brush, tooth, R. R. Ringer, Buffering machine, S. W. Ladd, Building block, hollow, J. E. Rettig, Burglar alarm, P. T. K. E. Rettig, Burial robe, H. T. Loomis, Burner, W. H. Damon, Button blank conveying and distributing machine, I. De Francis, Button pencil holder, E. D. Conklin, Cabinet, seed, T. A. Bateman, Cabinet top, sliding, J. W. Connaty, Cable or rope guide, Elzy & Anderson, Cable support, E. A. Hawkins, Calculating machine, E. Schuster, Calendar stand, J. W. Latham, Camphor, machine, H. Herkman, Can cap, solder carrying, J. J. Rigby, Can filling machine, G. E. Chamberlain, Can guaging machine, C. H. Ayars, Can opener, S. T. Allen, Can opener, Winfield & Senn, Can testing device, C. W. Sleeper, Car coupling, O. L. Albertson, Car door, grain, Gerdes & Wilken, Car for sticky materials, dumping, M. Orenstein, Car, freight, J. S. Landrum, Car, passenger, S. M. Curwen, Car, passenger, Smith & Curwen, Car, passenger, H. Howson, Car signal, J. H. Brady, Car step, folding, H. Miller, Car transfer, automatic, E. M. Scoville, Car wheel, Rutherford & Alford, Cars, check attachment for, J. A. McConnell, Carbuere, T. Howell, Cardboard box, O. H. Davis, Carriage runner, child's, E. B. Van Vleet, Carrier, L. C. Browning, Catalametal sack support, H. M. Richards, Cement block machine, G. L. Reed, Centrifugal machine, C. D. Ehret, Ceramic mass and manufacturing pottery, per using a new, H. Eisenlohr, Chaff separator, Clymans & Flaout, Chain, J. M. Dodge, Chair back adjustment, J. Salomon, Chair lock, G. E. Searing, Chair or swing seat, L. C. Bullock, Jr., Check, R. M. Scottford, Chromates, making, W. T. Gibbs, Churn, D. Hamilton, Churn, rotary, S. J. Smith, Cigar machines, bunch shaping, compressing, and conveying mechanism for, J. D. Lacroix, Circuit breaker, Hewlett & Button, Circuit controlling devices, operating means for, J. K. Lux, Clamp, See Jar clamp, Clamp, E. B. Thompson, Clevis, plow, J. F. Cassano, Clock, alarm, W. E. Porter, Closet cistern, automatic, J. H. Brady, Cloth cutting machine base, J. B. Grady, Clothing support, W. Seydel, Gliding bumper bottom, J. K. Sharp, Jr., Clutch, L. Wirtz, Clutch centering mechanism, F. Niessner, Clutch mechanism for reverse gearing, H. A. Little, Coasting machine, M. A. Smith, Cock, stop, L. Jones, Coin receptacles, locking mechanism for, W. H. Woolums, Color combinations, device for obtaining, R. A. Simpkin, Colter, plow, H. H. Wachter, Column, J. Lally, Concentrating tables, head motor for, S. H. Boylan, Concrete block machine, A. Pierce, Concrete construction, M. E. Fenner, Concrete roller, A. R. Hannaford, Concrete post, metal reinforced, L. J. Husted, Concrete railway tie, W. B. Westbrook, Condenser, E. Thomson, Condenser, surface, Harris & Anderson, Condensing and feed water heating plant, steam, R. Schneider, reissue, 12,868, Confectionery and valentine box, combination, H. Richter, Coop, shelter, R. L. Widney, Corn, shelter, Ludington & Olmsted, Cornice-making machine, E. McMahon, Cotton picker, G. W. & J. H. Jackson, Couplings, uncoupling mechanism for central buffer claw, L. Sr., and L. Scheib, Jr., Cranberry picker, D. E. Raymond, Crayon sharpener, S. Kann, Crib, F. W. T. Kreisel, Cultivator, E. Baumgartner, Cultivator, beet, I. Schuckman, Cultivator replanting attachment, G. S. Tuggle, Culvert, C. E. Glasscock, Culvert, corrugated metal, C. D. Voris, Cutters and other rotary apparatus, protecting arrangement for, P. G. C. Lundberg, Cutting tool, W. C. Poole, Cylinder jacket, Pickard & Mills, Damper, J. C. Schafer, Damper, stovepipe, A. Ohnemus, Derrick, A. G. A. Schmidt, Derrick, J. McMyler, Dish-drying rack, L. M. Schomber, Discharge rack, M. Mayer, Distilling device, water, J. B. Perry, Door check, Reed & Chapman, Door fastener, sliding, E. Carlson, Door holder, J. C. Winn, Dovetailing machine, A. Lassance, Draft appliance, F. A. Gering, Drill press gearing, S. J. Morgan,

Table listing various inventions such as Drying kiln, Drying machine, Dye and making same, Dye and making same, yellow azo, Dyestuffs, making concentrated liquid, Dyestuffs, printing sulfurized, Eave troughs, machine for forming, McKeuzle, Egg carrier, W. W. Verlich, Jr., Egg scouring machine, E. M. & W. W. Boles, Electric alarm and light, combined, W. A. Lindsey, Electric apparatus, vapor, L. E. Dempster, Electric apparatus, vapor, W. R. Whitney, Electric current machinery, alternating, Heyland, Electric heater and drier, G. N. Blanchard, Electric lighting system, automatic, C. J. Gardeen, Electric machine, dynamo, A. L. Hadley, Electric protective apparatus, C. A. Rolfe, Electric resistance conductor, J. T. H. Dempster, Electric tension regulator, electromechanical, J. M. C. Herrgott, Electrical accumulator, Busch, Electrical conductors, connector for, F. B. Cook, Electrically controlled switch, A. S. Cubitt, Electrode, carbon, J. T. Szeke, Electrolyte, A. Van Winkle, Electroplating apparatus, Van Winkle & Daniels, Elevator and mine cage safety brake, A. Barbleux, Engine, See Gas engine, Engine frames and pump cylinders, intermediate head for, A. Russell, Engine unit, reversible explosive rotary, W. E. Pearson, Engines, striking pin for piston hammer rock drilling, J. G. Leyner, Envelop, O. E. Lewis, Equalizing mechanism, F. Mueller, Excavator, T. Fenwick, Explosive compounds, producing high, P. Wheeler, Eyeglass hook, G. W. Willis, Fan, blade ventilating, D. P. Gosline, Fan box, E. S. Birkman, Fare indicator, R. P. Richert, Farm gate, J. D. Rogers, Fat cutting machine, C. A. Krabill, Feeding device, stock, H. Jenkins, Fence stretcher, wire, C. L. Davis, Fern dish or display receptacle, V. P. Tommins, File, card, S. T. Walton, File or similar instrument, nail, E. Ruettgers, Filter, W. F. Bousman, Finger ring, F. E. Fitzgerald, Fire cracker, I. M. Bond, Fire engines, emergency cistern for, E. O'Sullivan, Fish scaling device, M. W. Grosser, Fishing reel, C. H. Gaskins, Flakes, coated, F. Lauhoff, Fluid pressure motor, E. P. Nicholson, Flush tank, antifreezing, A. W. Oberlies, Food elevator, E. J. Porter, at al., Flying machine, H. B. Schiller, Folding carrier, C. F. Williams, Folding chair, automatic, C. O. Austin, Food products, making cereal, C. H. Richards, Fruit picker, H. Corrigan, Fuel, artificial, G. W. Herbel, Fur nail picking machine, A. Dioszeghy, Furnaces, hot-air distributing device for, J. L. Minton, Furnace, combined device for supporting and leveling, J. N. McIntire, Fuse holder, B. D. Horton, Garment clasp or holder, L. A. McStay, Gas burner, atmospheric, T. J. Little, Jr., Gas burner for lighting and heating purposes, G. Detsinyl, Gas engine, A. Schieferstein, Gas furnace or coke oven, H. Kopfers, Gas generator, acetylene, F. C. Nickel, Gas producer, R. L. Morgan, Gas producer, L. C. Parker, Gaseous liquids, pressure reducer for, H. A. Reed, Gate construction, W. H. Ansted, Gearing, planetary, A. P. Brush, Gearing, power transmission, G. L. Butlin, Gearing, reverse, H. A. Tuttle, Gearing, variable speed, A. Loitron, Glass feeding apparatus for tanks, pots, and similar receptacles, G. E. Cleveland, Glass receptacle, W. C. Schaefer, Glass sheets, apparatus for forming, D. J. Murnan, Glass sheets or plates, apparatus for the manufacture of, E. Fourcault, Goggles, F. M. Stevin, Grader, drag, and harrow, combined road, H. D. Guffey, Gradient instrument, C. B. Crum, Graphophone stop, J. W. Jones, Grass or weed exterminator, quack, A. G. Hamm, Grate, rocking, F. Cameron, Grate, rocking, G. E. Wilkms, Grease cup, Brown & Sprink, Grinding machine, A. Johnston, Grinding mill, D. S. Anthony, Guns with recolling barrels, foundation for, K. Voller, Hair roll, J. Wilcox, Hammers, friction board for drop forging, J. A. Burger, Hammock, couch, L. E. Palmer, Hammer, J. P. Moyer, Heading and chiseling machine, steam-driven combined, L. K. Brown, Headlight, arc lamp, R. Fleming, Heat generating means, H. E. Grabau, Heater, W. H. Ramaley, Hinge, double-acting spring, M. A. Erickson, Horse releaser, G. Ericson, Horses' front legs from knocking together, means for preventing, A. Clegg, Hot air register, W. S. Tuttle, Hot water heater, J. E. Potts, Husker, J. A. Ramsey, Hydrocarbon burner, A. A. Bail, Jr., Ice cream disher, Graffort & Hoffman, Ice tank, Curl & Wheelock, Influence or static induction and condenser machines, disk for, A. Wehrsen, Ink fountain, N. Wagner, Insect destroyer, E. F. Kauffman, Insecticide and preparation thereof, C. Ellis, Insulating material, W. E. Everette, Insulator, R. T. Langlan, Invalids, device for raising, L. Poppert, Iodine products, making, J. Hertkorn, Iron and steel, treating, W. F. M. McCarty, 901,362, 901,546, 901,547, Jack, See Switchboard jack, Jar clamp, fruit, L. Honstein, Jig, R. H. Richards, Journal box, J. D. Jones, Key-seating machine, hand operated, F. Link, Knitting machine, circular, H. B. Taylor, Knitting machine, rib, R. W. Scott, Knitting machine web holder, rib, R. W. Scott, Lacing books and the like, device for feeding, W. F. Fraser, Ladder and step, P. Tiepolt, Ladder, step-ladder, and scaffolding, combined, H. H. Thomson, Lamp, arc, Fleming & Halvorson, Lamp, automobile, J. Markman, Lamp fixture, incandescent, J. Stubbers, Lamp, gas, G. R. Fickert, Lamp, gas, inverted incandescent gas or vapor, Lamp, gas, inverted incandescent gas or vapor, Lamp shade or reflector, J. C. Norris, Lamp shades and kindred articles, glass mount for, R. F. Crocker, Last, divided, E. O. Krentze, Last locking device, E. L. Keyes,

Table listing various inventions such as Latch, E. W. Vest, Lathe, wood turning, C. H. Waymorth, Laundry appliance, Rogers & Gardner, Leather, hides, or skins, apparatus or machine for stretching, A. Cleveland, Lens blank, L. Wilhelm, Lens protractor, F. Hamilton, Lenses, making, bifocal, L. Wilhelm, Lenses, making, bifocal, F. A. Stevens, Level, plumb, W. H. McKeen, Life buoy and raft, L. Olson, Life-preserving apparatus, C. A. Zetterberg, Lighting fixtures, tripod for supporting, E. A. Emery, Linotype machine, J. E. Roger, Liquid dispensing can, S. P. Hasey, Liquid dispensing vessel, L. G. Babb, Liquid raising apparatus, J. M. Babb, Liquid receptacle, C. W. Fox, Loading apparatus, A. Marvin, reissue, 12,867, Loaf maker for bread, T. H. Williams, Lock pin, V. V. Pittman, Locomotive charging apparatus, C. B. Hodges, Locomotive tenders, water scoop for, A. Bennett, Loom, Withee & White, Loo mheddle adjustment, Withee & White, Loom shuttle, Withee & White, Looms, mechanism for operating shuttles of narrow ware, H. Riehl, Lubricator, J. Vollmer, Magnetic separation, apparatus for, C. Q. Payne, Magnetic separator, Wright & Frost, Mail bag catcher and deliverer, W. R. Morrison, Mail bag catcher and deliverer, R. M. Cantillo, Mail collecting apparatus, H. F. Rose, Mail delivering and collecting machine, electric, O. E. Stout, Marcel waves, device for making, M. K. Tovey, Marker attachment, L. R. Turner, Mashing, mixing, and churning machine, A. C. Pancoast, Massage and vibratory dilator, H. H. Roberts, Match machine, J. P. Wright, Match safe, pocket, C. J. Nelson, Matter from infammation, device for extracting, V. G. Utschig, Measuring instrument, E. I. & J. T. Brayton, Mechanical movement, S. Jones, Metal bars, machine for splitting and splaying the ends of, E. Wrigley, Metals from their ores, apparatus for the extraction of, W. E. Greenawalt, Metallurgical furnace, W. F. M. McCarty, Milking device, J. A. Gallup, Mineral separating and classifying apparatus, R. H. Richards, Miter box, J. H. Pringle, Mitering machine, J. M. Fetzer, Molding appliance, A. T. Rasmussen, Molding machine, F. W. Hall, Molding process, W. F. M. McCarty, Motor and compressor, combined, C. P. Tolman, Motor control, induction, E. F. W. Alexander, Motor control system, H. Alexander, Mower, lawnmower, W. H. Walker, Muffler exhaust, J. H. Porter, at al., Music tuner, J. H. Collier, Note sheet guide mechanism, F. W. Wood, Numbering machine, I. Hasselstrom, Nut lock, E. A. Hemsteger, Nut lock, R. G. Burton, Oiler for vehicles, automatic, F. T. Musso, Oils, purifying petroleum, E. W. Wynne, Ordnance, breech loading, W. Y. Donahoe, Outlet box, H. A. Coffin, Packing, gran, L. F. Filipe, Packing pad, L. F. Filipe, Pad, See Packing pad, Paint or varnish remover, C. Ellis, Paper handle, A. Vincent, Paper holder, roll, G. P. Burris, Paper, manufacture of copying, A. & M. Pidelaserra y Brias, Paper perforating, cutting, and delivery apparatus, R. M. Davidson, Pen, writing, W. H. Schweizer, Piano, automatic, M. Clark, Piano, automatic, F. W. Wood, Piano, automatic grand, J. W. Darier, Jr., Piano playing attachment, J. E. Shoemaker, Piano, self-playing, F. E. Ives, Piano sounding board bridges, mechanism for notching, H. G. & A. F. Osterberg, Pianoforte, W. R. T. Hill, Picture card, invisible, C. F. Morse, Pipe, C. S. Hamlin, Pipe holder, smoke, G. C. Ehlers, Pipe machine, G. A. Wettengel, Planing shoes and wedges, mechanism for, M. Morton, Planter attachment, J. B. O'Brien, Planter marker attachment, corn, J. C. Liston, Plowing or otherwise cultivating the soil, machine for, E. Ferriss, Plumbing connection, sanitary, A. M. Morrison, Postal mailing card, F. D. Ormston, Potato digger, H. J. Frisse, Pottery house, J. H. Irwin, Power transmitting mechanism, Rice & Boyd, Primary battery, K. Heintz, Pulley, clutch, W. Duerr, Pump, condensing apparatus, J. Astrom, Pump, multistage centrifugal, H. Keller, Pump, rotary, P. Gauer, Rail fastener, E. Stem, Rail joint, F. J. Shelly, Rail joint, P. P. Ragaller, Rail joint, L. White, Rail split, C. M. Cullen, Railway electric signaling system, Higgins & Sheridan, Railway safety apparatus, S. L. Adelson, Railway signal, electric, E. A. Everet, Railway sleepers, tool for cutting seats in, A. Collet, Railway switch, I. M. Keltner, Railway switch operating device, G. M. Spalding, Railway system, electric, W. Robinson, Railway tie, J. A. Berquist, Railway tie, T. W. Welsh, Railway tie, J. T. Spaulding, Railway tie, J. W. Biller, Razor, A. Koscherak, Razor, safety, M. Flynn, Receiver, J. S. Goldberg, Receptacle closure, Rasmussen & Olsen, Rheostat, P. H. Zimmer, Rocking chair, J. Surva, Roll cleaner, S. Coderre, Roller, H. Brucker, Roost, folding, G. E. Sigler, Rotary engine, W. S. Moses, Routing machine, R. Milne, Rug holder or stiffener, A. Danek, Saddle iron heater, H. W. Russell, Saddle iron heater, G. W. Fallin, Sash automatic closing attachment, window, G. Schwing, Sash balance, S. E. Parks, Sash fastener, H. Atwater, Sash lifting and locking appliance, window, S. B. Carter, Sash lock, W. D. Rankin, Sash mechanism ventilator, F. D. Moon, Sash weights, chill for, W. G. Standing, Sash, window, M. F. Holbrook, Saw for removing stumps, J. M. White, Saw table safety attachment, E. W. Cummings, Scaffold bracket, safety, J. R. Watt, Scale, beam, O. Jones, Scale, platform, D. Lennox, Scenic effect, D. H. Leas, Screening machine, G. P. & P. D. Burke, Self-lubricating wheel, H. Atkinson, Self-registering machine, S. H. Shapard, Sewer can, artificial stone, E. F. Kennelly, Sewing machine feeding mechanism, E. F. Durand,