

RECENTLY PATENTED INVENTIONS.

Pertaining to Apparel.

VENTILATING DEVICE FOR SHOES.—C. R. HENRICKS, Norristown, Pa. This device provides for ventilating the lower parts of shoes. The invention comprises a means for conducting air from one part of the bottom of the foot to another. When the foot is raised in walking, air will be drawn in, and when lowered will be forced out through an eyelet. In wet weather a valve is closed to prevent entrance of moisture.

GARMENT-SUPPORTER.—F. H. NEWTON, Greenville, S. C. The supporter may be used for holding the long gloves now used, and also as a hose supporter. A band is clasped around the arm and two straps project upwardly therefrom and the glove drawn up over the buttons. Clasps are turned down to engage with the glove and secure the same upon their respective buttons.

Electrical Devices.

ELECTRODE FOR SECONDARY BATTERIES.—L. CHRONIK, New York, N. Y. The object in this case is to provide an electrode or battery plate for secondary or storage batteries arranged to provide a very large exposed surface for the electrolyte and to readily retain the absorptive material. It relates to batteries of the Planté type having electrodes made of lead and the like, and an electrolytic fluid, such as diluted sulfuric acid.

TROLLEY-POLE ATTACHMENT.—P. F. DUROSS, New York, N. Y. A purpose in this invention is to provide a very effective pole attachment, in which the guide fingers located at the sides of the trolley wheel and extending above the same will automatically pass all manner of overhead obstructions, and wherein said fingers may be purposely drawn from the wire at any time found necessary.

ELECTRIC SIGNAL.—M. A. EWING and J. H. EWING, Gallatin, Texas. The improvement pertains more particularly to an electric apparatus suitable for block signals, and in all relations where the movement of rolling stock or the like is controlled by, or exerts control over, appropriate alarm mechanism. Also, to means for producing an alarm upon a movable member of rolling stock, such as a locomotive, and independently of this alarm for producing another alarm at a station or other predetermined point.

Of Interest to Farmers.

LOW-LIFT PLOW.—D. HALLORAN, Paris Station, Ontario, Canada. The object of this invention is to provide means adapted to enable the plow to make a short turn; to permit it to be readily adjusted to regulate the depth of cut, to regulate the width of cut of the furrow; to enable it to be readily lifted out of the ground or placed therein; to enable the rear furrow wheel to be locked in position or to run at will; and to provide means whereby the wheel and pivotal connection of the plow with the main frame may be operated by the main lever.

GATE-HINGE.—O. REPERT, J. F. FRUCHTE, and F. L. LITTERER, Decatur, Ind. The purpose of the invention is to provide details of construction for a gate hinge, especially well adapted as an adjunct for a farm gate, and that will release and permit the lateral opening movement of such a gate when the hinge is rocked on its support in either direction.

Of General Interest.

CONSTRUCTION OF BRICK PAVEMENTS.—J. M. PERKINS, Memphis, Tenn. The aim of this invention is to provide an especially hard filler for the joints between the bricks when laid in street pavements, which filler is hard and smooth, is applied in a liquid or semi-liquid state, and will tend to render a pavement less noisy than when laid with the usual fillers, since the tendency of the proposed filler is to deaden sound.

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.

NEW BOOKS, ETC.

PRESBREY'S INFORMATION GUIDE FOR TRANS-ATLANTIC TRAVELERS. Fifth Edition. New York: Frank Presbrey Company, 1907. Pp. 20. Maps and plates. Price, 25 cents.

A most useful and attractive little book, giving exactly the information which travelers always wish to know regarding steamships, hotels, European travel, and a thousand and one other things which relate to European trips. An ocean voyage opens a new vista of delight for the traveler, and a journey can be made much more pleasant with the aid of this interesting little book, which is sold at such a moderate price. It contains colored plates showing the international code of signals, funnels, and house flags of transatlantic steamship lines, storm and weather signals, etc. We strongly recommend it to our readers.

INDEX OF INVENTIONS

For which Letters Patent of the

United States were Issued

for the Week Ending

August 6, 1907.

AND EACH BEARING THAT DATE

[See note at end of list about copies of these patents.]

Table listing inventions with patent numbers. Includes items like Adjustable chair, S. Kline; Advertising device, C. H. Smith; Air and water cooling apparatus, J. Little; Air brake controlling mechanism, E. G. Shortt; Air cooling apparatus, O. Sterkel; Amusement apparatus, F. M. Cory; Amusement device, J. S. Winnett; Amusement device, H. J. Westerman; Animal shears, T. A. Martin; Animal trap, M. J. Cannon; Annunciator system, W. E. Ebert; Antislipping device, W. E. Partridge; Arches, adjustable and portable false work for, J. E. Street; Atomizer, Hill Lindstrom; Atomizer and mixer vibrative liquid, J. W. Tygard; Audiometer, J. M. McCallie; Auger, earth, L. H. Livermore; Automobile brake, C. J. Roberts; Axle adjuster, I. W. Shirk; Axle, mine car, C. A. Keller; Axle skid, Bookman & Butler; Axle spindle, W. P. Coker; Bag filling apparatus, A. M. Bates; Bag holder, W. Mibrath; Baking apparatus, M. E. Brand; Balance wheel regulating device, J. A. Freund; Bandage, facial, A. L. Black; Bank, savings, W. Sams; Beam clamp and hanger, D. A. Alexander; Bearing, R. P. Thompson; Bearing, A. E. Thames; Bearing, roller, J. Jacob; Bed, extension sofa, I. I. Muller; Bed, folding, Philibad, Norgren; Bell ringer, Bowler & Howe; Bench stop, M. R. Raynesford; Beverage dispensing apparatus, J. C. Cory; Binder, loose leaf, W. J. Dunn; Binder, loose leaf, or fans, operating mechanism for, T. Latt; Binders, rope forming attachment for, L. Schroy; Bit holder and extender, E. T. Murray; Blindstitching machine, J. E. Fefel; Block, P. J. Macdonald; Blocks, bricks, making molded, F. Zagel-meyer; Board cutter, tongued, G. W. Schilling; Bobbin and spindle connector, Roney & Rae; Bobbin notching machine, I. A. Blood; Boller furnace, steam, W. Graham; Boiler under pressure, apparatus for testing the water of a, A. Schmitz; Bolster, S. Otis; Bolt clipper, H. K. Porter; Bolts and the like, holding pin for toggle, J. H. Cook; Bolt, nut, and the like, holding pin for toggle, J. H. Cook; Boot calks, forming, H. K. Jones; Bottle capping machine, E. Zastrow; Bottle closure, F. W. H. Clay; Bottle locking attachment, milk, J. T. Rowley; Bottle, non-refillable, J. Spinelli; Bottle, non-refillable, J. D. Harris; Bottle, non-refillable, W. K. Browne; Bottle, non-refillable, Burdick & Churchill; Bottle, non-refillable, E. F. Branch; Bottle, poison, J. Banford; Bottles, jars, and other receptacles, closure for, J. V. Hull; Box, J. A. Douglas; Box cover, service, H. P. Martin; Box covering machine, P. S. Smith; Box strapping reel, E. B. Dunn; Braiding machine, V. Beauregard; Brake, P. X. Beaulieu; Brake, M. Levin; Brickmaking machine, R. E. & G. F. Laughray; Brickmaking machine, I. E. Hiscock; Brooder, W. F. Mikolasek; Broom trimming machine, O. Plunkett; Brush, fountain marking and stencil, E. A. & C. A. Garvey; Brushes, making, A. T. Church; Bullet and shot, self-lubricating, B. L. Williams; Burglar alarm, B. See; Burning lime or other substances, J. Reaney; Bust supporter, J. Kellogg; Butter cutting machine, E. A. Simpson; Butter shipping and storing box, A. C. Hummer; Buttonhole stitching machine, C. A. Dahl; Cabinet, register, P. G. Powers; Cable terminal, F. B. Cook; Cable terminal and system of protection, F. B. Cook; Calculating device, G. H. Benedict; Calcometer, A. Englert; Caliper machine, E. C. Aszman; Camera magazine, O. H. Weichel; Camera, monocular, C. G. Stevens; Camera, panoramic, R. H. Trumbull; Can heading machine, W. H. H. Stevenson; Can heading machine, automatic, J. J. Griffin; Can holding clamp, M. L. Marshall; Can opener, J. C. Wille; Can washing machine, milk, A. B. Herr; Cans, sealed lock for, E. Stoops; Candy machine, stick, E. J. Jenner; Cane stripping and cutting knife, J. W. Thompson; Canopy supporting frame, Williams & Lindsey; Capping and the like, corrugated iron ridge, W. H. Mence; Car, R. S. Meares; Car brake, H. W. Thomas; Car controlling system, electric, C. P. Breese; Car, convertible, W. W. Wallace; Car coupling, W. S. Schroeder; Car coupling, W. S. Schroeder, reissue, 12,679; Car fender, J. T. Macgregor; Car fender, P. J. Leahy; Car grain door, box, H. J. Forst; Car operative mechanism, dumping, C. A. Halleen; Car propelling means, E. G. Coyner; Car seat and berth, sleeping, J. F. Butz; Car spring support, motor, J. F. Van den Bergh; Car switching mechanism, A. Hector; Carboys, packing receptacle for, V. Verity; Carbureter, S. W. Peregrine; Carbureter, F. H. Messinger; Carbureter, J. Stubbers; Card clothing, means for tacking on, A. Arnold; Carpenter's combination tool, J. M. Darrow; Carpet cleaning device, pneumatic, C. S. Baldwin; Carpet fastener, P. J. A. Smith; Carrier, V. Filteau; Casting apparatus, I. R. Williams; Cattle guard, R. Morrill; Cement package, A. Thoma;

Table listing inventions with patent numbers. Includes items like Chain link, W. H. Griffith; Check protector, Pease & Trefel; Cheese cutter, C. M. Wright; Churn, C. W. Robertson; Chute support for vehicles, coal, A. C. Elphinstone; Cigarette holder, W. H. Alexander; Cigar tip cutter, Brunhoff & Kuen; Circuit breaker, high potential, L. G. Robinson; Cleaning device, pneumatic, L. O. Howell; Clock, A. C. Ohl; Clothes line support, adjustable, A. Z. Boudreaux; Clothes pin, J. P. Marshall; Coal cutting machine, J. Lippis; Coal drill, J. S. Surbaugh; Cook for steam boilers, blow-off, J. B. Duffy; Cock, gate, G. Pennell; Cock, three-way, E. A. Hall; Coin collector, Holmes & Craft; Coin controlled apparatus, M. E. Price; Coin controlled mechanism, J. E. Packard; Collar tipping machine, C. A. Royce; Color comparator, F. V. Kallab; Compressor, R. D. Webb; Compressors, relief mechanism for, Hill & Morgan; Concrete block machine, knockdown adjustable, J. E. Street; Concrete blocks and slabs, manufacturing, O. Bradford; Concrete mixing machine, L. C. Roberts, et al.; Condenser, surface, W. Schwanhauser; Conduits and the like, junction piece for branches of air, C. H. Mower; Conveying apparatus, T. S. Miller; Cooking apparatus, J. Buckley; Corrugated bars, L. Johnson; Corrugating machine, E. R. Stasch; Cotton gin brush, W. J. Robinson; Cotton picking machine, J. F. Appleby; Cover and holder for drinking vessels, combined, L. Brugel; Crate, J. P. Richards; Crate, banana, I. Albertelli; Crate, collapsible, H. C. Ivey; Cream separator, centrifugal, D. B. Green; Crutch, M. J. Dunkel; Cultivator, two-row, Bailor; Culvert, M. J. Stoffer; Current motor, Hultgreen & Clements; Cushion, E. G. Budd; Cutter, See Board cutter; Cutter head, J. W. Wingham; Cycas leaf holder, W. N. Reed; Cycle supporting attachment, H. Stiles; Cycles, grip controlling mechanism for motor, L. P. Fosnot; Cycles, grip operated controlling mechanism for motor, C. J. Gustafson; Dampener, A. Shapiro; Dams, automatic movable crest for, G. F. Stickney; Decorticating machine, G. H. Reynolds; Dental pliers, L. E. Rowley; Dental separator, R. L. Anderson; Dentist's cabinet, W. H. Woods; Deodorizing apparatus, J. E. Ralston; Denon producing apparatus, S. Boehm; Desk and seat, combined, J. T. Brent, 2d; Dining, C. E. Acker; Die, S. W. McKillop; Dish washing machine, J. E. Conway; Dish washing machine, E. J. Robinson; Disinfecting apparatus, W. J. Bowerman; Display cover for provision and other receptacles, J. La Rocque; Display shelf and rack, combined, T. L. Newport; Distilling apparatus, W. F. M. Goss; Door attachment, C. W. Simmons; Draft hanger, rolling, M. E. Harter; Draft guilizer, G. W. Raymond; Draft evener, P. C. Haubold; Drafting instrument, F. G. Hall; Draining and irrigating apparatus, I. M. Newman; Draw bar mechanism, G. H. Forsyth; Drawers, cash boxes, and the like, secret locking device for, I. Kraft; Drill machine gear, J. F. Back; Drilling machine, J. S. Barnes; Drying apparatus, automatic temperature regulator for, revolvable, H. F. Westphal; Dust collecting machine, F. W. Agan; Dust suction apparatus, filter for, A. Mestitz; Dynamo and governor, sparking, A. P. Griebel; Dynamos, field regulator for, G. S. Neeley; Egg case, folding, R. E. L. Crosby; Egg tester, W. F. Mikolasek; Electric cable coupling, lead covered, J. J. Dessart; Electric controlling device, M. Kallmann; Electric controlling system, C. P. Breese; Electric light cluster, L. Hruska; Electric machinery, dynamo, W. L. Waters; Electric machines, voltage regulator for dynamo, G. S. Neeley; Electric motor control system, H. D. James; Electric motor controlling means, W. A. Paris; Electric motor suspension means, C. A. Falander; Electric time switch, Neumann & Regenstein; Electric wiring, rosette for, W. F. Ritter; Electrical apparatus, W. H. Thompson; Electrical rosette, J. S. Stewart; Electrically heated shaft furnace, J. S. Edstrom; Electrodes, making seamless tubular pockets or receptacles for storage battery, T. A. Edison; Electrolytic cell, E. A. Allen; Electrotherapeutic apparatus, L. G. Woolley; Elevating means, H. Bawden, et al.; Emergency wheel, G. H. Treadgold; Enameling, method of, C. R. Schmidt; Engine controlling apparatus, C. R. Welch; Engine speed regulating device, explosive, L. W. Witry; Engine system, gas, J. L. Tate; Engines, air cooling system for explosive, E. Herman; Engines, mixing device for combustion, H. Bonte; Engraving sinking dies, machine for, Keller & Warman; Envelope, H. C. Murphy; Estimating machine, E. P. Holmberg; Explosive engine, F. W. Bacon; Explosive engine, G. Cornilleau; Eye-guard, collapsible, H. M. Tilston; Eyeglass attachment for caps and hats, J. A. Blackiston; Eyeglass nose piece, G. Bausch; Eyeglasses, L. F. Adt; Eyeglasses, G. A. Bader; Eyeglasses, lens mounting for, G. Bausch; Eyeglasses, reversible, W. T. Allan; Fabric and garment, A. J. Cumcock; Feed and litter carrier, H. L. Ferris; Feeding apparatus for boilers, E. Nashold; Fence, J. L. Mackey; Fence post, composite, J. Stoneburner; Fence post, composite, E. T. Silvis; Fence weaving machine, wire, L. W. Showalter; Fence wire clamp, S. F. Webb; Fertilizer distributor, E. N. Camp; Fibrous material, saturating, J. A. Dubbs; Fibrous or elastic material, sheet of, C. Wissenbach; Film pack, G. L. Holmes; Filter press, L. S. Schoenfeld; Filter, water, L. C. Hartsough; Filtering can, U. G. Thompson; Fire alarm, W. J. Randolph; Fire extinguisher, chemical, A. F. Sarver; Fire hydrant, C. C. Steiner; Fire shield and extinguisher, S. German; Firearm sight, G. B. Crandall; Firearms, firing pin lock for, F. F. Burton; Fireproof column, J. J. Tresladder;

Table listing inventions with patent numbers. Includes items like Fish hook bait holder, C. Fredricks; Fishing boat, W. N. Simmons; Flatiron heater, J. Andersen; Floor polishing machine, A. Miller; Fly paper, E. V. R. Gardiner; Folding table, J. A. Keck; Foot press, J. Costello; Fork and hook, combined, H. M. Schlessler; Form, bust, L. A. Bachman; Fruit picker, R. E. Woodring; Fuel preparing and feeding apparatus, fine, A. A. Day; Furnace, G. & T. Wilton; Furnace for the treatment of refractory ores, Wyme & Grant; Furnace grate, G. A. Kohout; Furnace grate, rocking bar, F. W. Ridlon; Furnaces, automatic continuous ore smelting process for reverberatory, G. G. Vivian; Garbage receptacle, H. E. Ames; Garment, R. E. Lowe; Garment adjusting device, J. Mathers; Garment hanger, C. W. Brenizer; Garment hanger, A. M. Taylor; Garment hook, D. Epstein; Gas and treating distillation gases to produce the same, illuminating liquefied, H. Blau; Gas burner, R. Thompson; Gas burner, V. W. Blanchard; Gas burner, incandescent, J. I. Robin; Gas burner tip, acetylene, Dolan & Tracy; Gas compressor, R. O. Klatte; Gas economizer, H. E. Davis; Gas engine, F. R. White; Gas engine, C. L. Longenecker; Gas generator, acetylene, C. Wilson; Gas heater, stove, W. Howell; Gasoline engine, O. S. Benckendorf; Gate, D. James; Gate, F. P. Gutelius; Gear, speed, F. H. de Veulle; Generator, W. M. Jewell; Glass blowing machine, R. P. Frist; Glass molding machine, R. P. Frist; Glass plates, machine for grinding edges on, H. Lohmann; Glass pot handling apparatus, H. Aiken; Glass sheets, manufacture of, W. T. Nicholls; Glove or mitt, catcher's, J. M. Rumrill; Grove presser and holder, D. F. Greenawalt; Grain separator, J. S. Evan; Grinder, disk, R. V. Fields; Grinding and polishing machine, sheet metal, J. E. Lewis; Gun, automatic, M. L. Bristol; Gun carriage, S. N. McLean; Gunner sweeping machine, J. Welland; Hair pins, manufacturing, D. H. Haywood; Hame fastener, S. T. Marlette; Hand wheel, A. M. Gow; Harness loop, M. E. Zeller; Harrow, T. B. Doty; Harrow cart, J. Kirkpatrick; Hay gatherer and dropper, C. S. Johnston; Hay gatherer and press, combined, D. Nozinger; Header and cutter, corn and maize, A. F. Hendricks; Heating apparatus, hot water, H. V. Jorgensen; Heating can, Friedman & Carlisle; Heating furnace, N. W. Dimpsy; Heating system, Hedlund & McMahon; Hinge, G. C. Gardner; Hinge and fastener, blind, W. Dupre; Hoisting apparatus, C. H. Sample; Hook, See Garment hook; Hook and eye, J. W. Granger; Hook and eye card holder, C. B. Patterson; Hook fastener, garment, E. Figg; Hook retaining rack, meat, W. R. Ferrin; Hook switch, E. B. Craft; Horn support, E. C. Goldsmith; Horse operated mechanism, C. E. Wadsworth; Horse rake, H. L. Litchfield, et al.; Horseshoe, A. Kerry; Horseshoe's stand, C. F. Southworth; Hose clamp, M. P. McLaughlin; Hose coupling, A. B. Robins; Hose coupling, K. O. Muehlberg; Hosier, seamless, J. W. Mettler; Hot water heater, G. G. Schroeder; Humidifier, F. B. Comins; Hydraulic drill and reamer, H. Benderscheidt; Hydrocarbon burner, T. F. Kent; Identification device for business transactions, A. F. Hopkins; Implement, T. M. Walker; Implement pocket or desk, O. Mussinan; Incubator, W. F. Seyfer; Inducton coil unit, C. A. Pfurtschell; Ingot extractor, electric, H. Aiken; Injection apparatus, rectal, C. E. Quimby; Inkstand, E. T. Darke; Inkstand, L. C. Ferrell; Inkstand, automatic, N. W. Brown; Insect trap, J. A. Dietz; Insects, etc., device for preserving, E. S. Munroe; Insects from plants, machine for removing, P. E. Larson; Insule, C. S. Smith; Insulator, A. A. Pratt; Insulator support, W. Steiner; Iron ores, agglomerating pulverulent, W. Schumacher; Ironing raw starched material, L. Hoffmann; Jack, D. A. & C. W. Blake; Jack, E. J. Carberry; Jeweler's tray, D. Goldsmith; Key ring, T. F. Pryor, Jr.; Ladder, stairs, G. Eller; Lamp, denatured alcohol gas student, G. Schroeder; Lamp fonts, adjustable handle for, G. H. Rolfe; Lamp holder, Kerr & Hine; Lamp shades, molding for, L. H. Debs; Lamps or gas burners, mantle and holder for inverted, N. Fuchs; Latch bolt, P. J. Courtenay; Lathing, H. Bertram; Lathing, machine for pressing woven, H. W. Carpenter; Lazy tongs elevator, A. Jeffers; Lever, W. A. Gillentine; Lifting device, J. Hartog; Lock and latch, combined, W. H. F. Young; Locker, A. J. Thornley; Loom, R. H. Sawyer; Loom for weaving pile fabrics, F. C. Pfeiffer; Loom head motion, J. J. Shanahan; Loom reed support for warp drawing machines, E. P. Hathaway; Lubricator, C. Comstock; Magnetic transmission mechanism, F. Jensen; Mail bag rack, M. S. Field; Mail chute closure, J. W. Cutler; Manifold device, C. L. Converse; Manure spreaders, pusher for, D. K. Wilson; Marrow, process of and product from treating, E. Klein; Measuring tape holder, R. E. Nelson; Medical instrument, J. S. Collins; Medicated bougie, L. Sensburg; Medicine case, E. L. Taylor; Merry-go-round, aquatic, H. Healy; Metal cleaning and protecting material, manufacture of, A. W. Braun; Micrometer gage, C. R. Shaffer; Mirror, portable folding, J. C. May; Miter joint fastener, J. V. Ashcraft; Monkey wrench, S. V. Rehart; Mop wringer, A. J. Smith, et al.; Mopping machine, J. W. O'Connor; Motion clutch for transmitting rotary, W. Murphy; Motor regulator, G. H. Whittingham; Music playing instrument, autopneumatic, F. C. White;