

RECENTLY PATENTED INVENTIONS.

Agricultural Implements.

PLANTER AND CULTIVATOR.—J. R. JONES, Jackson, Miss. A seed-box and fertilizer distributor are employed on this machine and means are provided for releasing and dropping the seed through the action of the fertilizer distributor to cause fertilizing material to be dropped upon or near the seed after it has reached the ground. Adjustment can be made whereby the fertilizer distributor will deposit a continuous instead of an intermittent drill.

ROAD-SCRAPER.—T. WILSON, Meyers Falls, Wash. The road-scraper is of such construction that a main and auxiliary draft beam are employed capable of adjustment relative to each other and to the blade or shovel whereby the dirt may be directed either to the right or left-hand side of the implement. The ground need not be turned up prior to the passage of the scraper over it, as the scraper will act as a plow as well as an evener.

Apparatus for Special Purposes.

INCANDESCENT VAPOR-BURNER.—E. L. FEE, Warren, Ind. This invention relates to improvements in burners of that class employed for burning gas for illuminating purposes formed from naphtha, gasoline, or other hydrocarbon oils. The object of the invention is to provide an incandescent burner of this class that shall be simple in construction and with which absolute safety is insured as well as perfect combustion.

Electrical Apparatus.

BLOCK-SIGNAL SYSTEM.—L. RIEBE, Lansford, Pa. This system is electrically-controlled and particularly adapted for street-railways having a single track with switches at suitable intervals. Simple mechanism is provided whereby a car in leaving the switch will close the circuit to signals at each end of the block, thus indicating to the motorman of a following car that a car is running on the main track between the switches. The system is so arranged that the car upon leaving the main track of the block will cause the signals to be reset to "safety."

Railway Improvements.

DRAFT ATTACHMENT FOR RAILROAD CARS.—J. M. DONOVAN, Vicksburg, Miss. The invention relates to railroad cars having draw-roads extending from one end of the car to the other to connect with the draw-bars. An improved draft attachment is provided for railroad cars to insure easy drawing of the cars and to resist buffeting shocks, thereby relieving the car-body of undue strain and giving it longer life.

BRUSH.—F. BECKER, New York, N. Y. This brush is designed especially for use in connection with street railway tracks to clean them. These tracks, as generally constructed, have grooved rails which frequently become clogged with dirt so that it is necessary to scrape and brush them. Mr. Becker has invented a novel means for conveniently attaining this end.

Vehicles and Their Accessories.

WHEEL-HUB.—E. A. ROYCE, Excelsior Springs, Mo. The wheel hub has certain novel means for mounting it to turn with a minimum degree of friction. Various parts of the hub may be readily taken apart for repair and adjustment, and when one part has become worn, so that it no longer operates with perfect satisfaction, it may be easily taken out and a new part substituted without affecting the other elements.

BICYCLE.—H. C. WEEKS, Bayside, N. Y. The bicycle is provided with endless treads on each side of the wheel forming an inclined walking surface for the rider's feet to walk on, thereby imparting a traveling motion to the treads which is transmitted by gearing to the bicycle wheel. As the rider stands on the inclined treads, it is evident that not only the walking power is used for propulsion, but also the rider's weight, and by the rider pushing on the handle-bar, power is added to propel the bicycle at a very high rate of speed.

Miscellaneous Inventions.

EYEGLASSES.—A. B. CRITZER, San Antonio, Texas. The construction and manner of supporting the nose-pieces operate to project the whole eyeglasses upward in use. The nose-pieces are so arranged that they will operate freely and will not become clogged or damaged in any way. They yield laterally toward the lenses and also have a longitudinal movement independent of the lateral movement.

SNAP-HOOK.—A. J. TOWNER, Santa Ana, Cal. The invention is an improvement in the class of so-called "twin snap-hooks." Improved means are provided for opening and closing the two hooks and holding them closed together when in use. The device employed for this purpose is an eccentric which is peculiarly arranged and rigidly connected with the loop to which a strap is attached in practical use.

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.

Business and Personal Wants.

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"U. S." Metal Polish. Indianapolis. Samples free.

Inquiry No. 2668.—For makers of pumps for pumping sand and gravel.

WATER WHEELS. Alcott & Co., Mt. Holly, N. J.

Inquiry No. 2669.—For makers of broom corn seeding machinery.

Handle & Spoke Mch. Ober Mfg. Co., 10 Bell St., Chagrin Falls, O.

Inquiry No. 2670.—For makers of typewriting and carbon papers.

Sawmill machinery and outfits manufactured by the Lane Mfg. Co., Box 13, Montpelier, Vt.

Inquiry No. 2671.—For parties to make small-sized special rivets.

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We design and build special automatic machinery for all purposes. The Amstutz-Osborn Company, Cleveland, Ohio.

Inquiry No. 2673.—For dealers in metal novelties.

For Machine Tools of every description and for Experimental Work call upon Garvin's, 149 Varick, cor. Spring Streets, N. Y.

Inquiry No. 2674.—For machinery for making different kinds of fiber from pine needles.

Manufacturers of patent articles, dies, stamping tools, light machinery. Quadriga Manufacturing Company, 18 South Canal Street, Chicago.

Inquiry No. 2675.—For machinery for distilling an extract of essential pine needle oil from the needles.

Patents developed and manufactured, dies, special tools, metal stamping and screw machine work. Metal Novelty Works Co., 43-47 S. Canal St. Chicago.

Inquiry No. 2676.—For machinery for making a fabric from the fiber of pine needles.

The celebrated "Hornsby-Akroyd" Patent Safety Oil Engine is built by the De La Vergne Refrigerating Machine Company. Feet of East 138th Street, New York.

Inquiry No. 2677.—For machines for stamping names on small aluminum plates.

IDEAS DEVELOPED.—Designing, draughting machine work for inventors and others. Charles E. Hadley, 564 Hudson Street, New York.

Inquiry No. 2678.—For the manufacturers of the "Little Giant" wood planer.

WANTED.—American agencies on commission lines for Australia or South Australia. References: J. B. Pitcher, No. 2 A. M. P. Buildings, King William Street, Adelaide, South Australia.

Inquiry No. 2679.—For makers of oil burners for small steam boilers.

PATENT FOR SALE.—Setting instrument patented March 18, 1902. Every machinist needs one. Used for different purposes. Send for circular. Morris Chamberlain, Bartley, N. J.

Inquiry No. 2680.—For a motor cultivator or harrow.

Presswork done at short notice. Blanking and drawing our specialty. Estimates cheerfully furnished. Tools for all work made on premises if desired. Copper, brass and nickel plating. Correspondence solicited. Acme Ball-Bearing Caster Co., Chappaqua, N. Y.

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Inquiry No. 2682.—For makers of typewriter ribbons, papers, etc.

Inquiry No. 2683.—For elevators for hoisting pumps for sand, etc.

Inquiry No. 2684.—For makers of automatic coal diggers or scrapers, which will pick up from 1 to 3 yards of sand or gravel.

Inquiry No. 2685.—For manufacturers of brick press or machines.

Inquiry No. 2686.—For dealers in electric elevators.

Inquiry No. 2687.—For a burner for brazing with crude oil and air pressure.

Inquiry No. 2688.—For manufacturers of cheap motors.

Inquiry No. 2689.—For dealers in electric novelties.

Inquiry No. 2690.—For candy-making machinery, such as lozenges, etc.

Inquiry No. 2691.—For the manufacturers of an attachment for spoons to avoid slipping into dishes, also for the makers of a spoon with a perforated bowl for mixing batter, etc.

Inquiry No. 2692.—For manufacturers of coffee roasters.

Inquiry No. 2693.—For the address of Morton Evans & Co., makers of gasoline traction gear.

Inquiry No. 2694.—For makers of gasoline fuel marine steam engines and boilers 1 to 40 h. p.

Inquiry No. 2695.—For machinery for making a feed brick under pressure.

Inquiry No. 2696.—For makers of hydraulic brick and clay-making machinery.

Inquiry No. 2697.—For makers of pocketbook rims and clasps.

Inquiry No. 2698.—For manufacturers of double automatic yard gates.

Inquiry No. 2699.—For a 20 to 25 h. p. traction engine for use on country roads for hauling freight.

Inquiry No. 2700.—For manufacturers of cheap clockwork to drive movable paper figures for advertising.

Inquiry No. 2701.—For parties to manufacture special machines.

Inquiry No. 2702.—For manufacturers of paper novelties, such as spoons with hollow handles, etc.

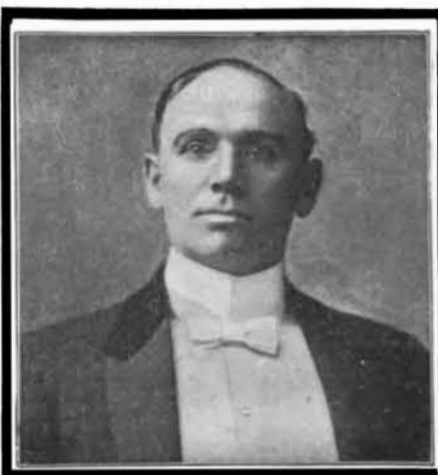
Inquiry No. 2703.—For dealers in second-hand belting.

Inquiry No. 2704.—For manufacturers of small refrigerating plants suitable for residences.

Inquiry No. 2705.—For a gas plant for from 25 to 50 Bunsen burners, also wire and piping.

Inquiry No. 2706.—For a dynamo for 100 to 150 incandescent lights; also an engine for pumping water and running dynamo.

Inquiry No. 2707.—For makers of bathroom appliances.



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INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending

May 27, 1902,

AND EACH BEARING THAT DATE.

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

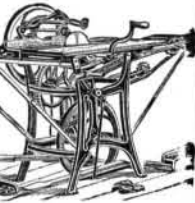
Table listing various inventions and their patent numbers, including items like Advertising device, Air brake connection, Air brake, railway car, Air purifying and cooling device, Air compressor, Air diffuser, Air purifying and cooling apparatus, Amalgamator, Annealing box, Arch, metal, Asphaltum, extracting and refining, Atomizer, Air forcing device, Automatic signal, Automobile, Automobile driving mechanism, Awning, Ax head, Axle box and brass, Axle lubricator, Bag handle or carrier, Bale tie, Baling press, Bandage, Barrel holding cleats, apparatus for applying, Basket, Battery, Battery plates, uniting, Bed, Bed bottom, Bed brace, Bed couch, Bed or couch, interconvertible, Belt, Belt, harvester, Bicycle pedal, Bicycle pump, Billiard table cushion, Blasting purposes, safety device for, Block, see Brake block, Building block, Blotter, calendar, Boat launching apparatus, life, Book cover, Book supporter, Bottle, non-refillable, Bottle, non-refillable, Bottle, nursing, Bottle rinsing apparatus, Bottle stopper, Bottle washing machine, Bottles, device for preventing refilling of, Box or package, Box plaiting device, Box shaping machine, Brake block, Breeding pen for sows, Brick press, Bricks or blocks, machine for molding, C, G. Davies, Bridle bit warming device, Brine, vacuum apparatus for boiling, Brooder, chicken, Brush, bottle cleaning, Bucket, cook, Buckle belt clamp, Buckle, suspender, Building, Building block, Building block, A. Man, Bulkhead doors, apparatus for closing or opening water-tight, Bung and tapping bush, combination, Burglar alarm, Burial device, Burner, See Gas burner, Hydrocarbon burner, Butter printing apparatus, Button, Button, collar or cuff, Button making machine, Buttons, etc., mechanism for operating machines for attaching, Cable connection, Cable connection for covering spliced joints, Cake pan, Camera, magazine, Can capper, Can capping machine, Can testing apparatus, Capsule, G. H. Paine, Capsules, manufacture of, G. H. Paine, Cart brake mechanism, railway, Car, metallic, Car or truck transferring, Car safety platform, railway, Car seat, Car side coupling, railway, Carbureter, Carton, Cartridge, gun, Cash register, Cash register, T. Carney, Cashier and register, combined mechanical, Caster, ball, Catheter or like instrument, Center iron and lap ring, Charcoal manufacturing apparatus, Chart, adjustable dress, Cheese cutter, Churn and butter worker, combined, Churn cover, Chute and trap door, ore, Chute, coal, Cigarette machine, continuous, Circuits, regulator for alternating current, Cleat, sheet metal fastening, Closure, C. Puddendorf, Cloth finishing machines, electric alarm for, Clutch, Clutch, magnetic, Clutch, Speed regulating, Coal, coke, etc., apparatus for washing, Coke, apparatus for the manufacture of, Collars, cuffs, etc., stiffening and making impervious to water starch-filled and ironed laundry-finished substance of, Combustion, fluid for promoting, Compound engine, Condiment, T. Healy, Conduit, T. J. Milner, Corset steel, Cotton machines, covered roller for, Couch frame, J. Watkins, Coupling, See Car side coupling, shaft coupling.

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Tent, P. Bahrmann	701,126
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Tire setting machine, rubber, J. K. Williams	700,871
Tire setting machines, joint closer for rubber, J. A. Burrows	700,895
Tire, solid rubber vehicle, F. A. Seiberling	700,837
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Typewriting clarifier, C. Edwards	700,906
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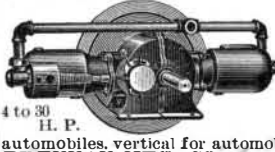
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**THE AMERICAN ANNUAL OF PHOTOGRAPHY AND PHOTOGRAPHIC TIMES ALMANAC FOR 1902.** New York: The Scovill & Adams Company. 1902. Pp. 347, 71. Price 75 cents.

The present number of the Annual shows the progress which has been made in photography during the past year. There have been no remarkable discoveries and no great changes in processes. The illustrations are many and varied, but do not represent any particular school of photography. We notice one very good print in the three-color process, which seems to be gaining in popularity. The articles treat of many subjects of interest to the amateur photographer. Altogether, the Annual is a very attractive and instructive number.

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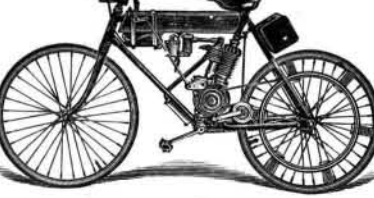


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