

RECENTLY PATENTED INVENTIONS.

Agricultural Implements.

FERTILIZING-VINE CUTTER.—J. M. BARNES, Fresno, Cal. Mr. Barnes' invention is an improvement in vine cutters for use in cutting up the vines in a vineyard after pruning, so that such vines can be used for fertilizing purposes. In operation the prunings are thrown in a windrow between the growing vines, and the machine is driven over the prunings, cutting them up into short pieces which are thrown back upon the ground to serve as fertilizer.

STALK-CUTTER.—J. T. KIZER, Senatobia, Miss. Improved means are provided in this invention for cutting corn and cotton stalks, pea vines, and sorghum, and any other grass or vines in drills. In its general nature the invention comprehends a novel construction of runner-frame and laterally-adjustable cutters, especially adapted for cutting the stalks planted in drills and to pile the cut or severed portions into every other middle row or trench.

Miscellaneous.

PHOTOGRAPHIC TIMER.—E. HAROLD, Leetonia, Ohio. A device for furnishing readily from certain known conditions, an exact statement of the proper duration of photographic exposures is provided in the present invention. It consists of a chart on which are marked certain graduations which are applicable to any condition of the weather, at any time of the year, and for any of the prominent makes of plates.

CAN.—L. C. SHARP, Omaha, Neb. This can is struck or drawn up of two sections of sheet metal, the sections being of approximately equal depth and joined together at the middle of the can. The joint or seam comprises a tearing strip which when torn away permits the separation of the can in two sections.

OIL BURNER.—G. F. ROBERTSON, Beaumont, Texas. The oil-burner is particularly designed for burning crude oil, especially such as is found in the Texas oil fields. The burner is provided with a basin, having inner and outer front plates inclined reversely to each other and forming an upwardly tapering front. The oil is supplied to the surface of the inner inclined plate, while steam is discharged from the nozzle or discharge pipe upon the outer inclined plate in such manner as to efficiently operate upon the flame and give forced draft directly into the basin and in the direction of the boiler.

BOTTLE-CLOSURE.—G. J. ADAMS, Brooklyn, N. Y. This invention relates to improvements in closures for bottles and similar packing devices for containing tooth powder or other toilet preparations. The closure comprises two cap members with openings designed to register upon turning one cap relatively to the other. The tops of the caps are resilient, so as to maintain a close connection when the movable cap is turned, thus preventing an accumulation of powder between the top plates of the cap.

BILL-COLLECTING BOOK OR FILE.—G. J. SCHWARTZ, Natchez, Miss. An inexpensive contrivance is provided by this invention which is adapted to fold so completely that it may be neatly carried in the pocket. This device contains a number of pockets in which bill or other memoranda may be filed alphabetically.

FOUNTAIN-SPITTOON.—J. C. BLAIR, Louisville, Ky. Dr. Blair's invention is an improvement in that class of fountain spittoons in which water is discharged from a device adapted to rotate within the bowl. The improvement relates to the construction of the rotatable attachment proper and its anti-friction bearings, also to the construction and arrangement of parts whereby the water descending the side of the bowl is thrown up at the center so as to wash the hub of the rotatable attachment.

CORN-POPPER.—J. R. WINTERS, Clinton, Mo. A special construction of lid is employed in this corn-popper through which small unpopped grains may be discharged after the popping operation has been completed to separate the popped from the unpopped corn.

CAN.—C. A. DOOLITTLE, Omaha, Neb. The purpose of the present invention is to provide a jacketed can which may be constructed with extreme cheapness, and yet will serve to securely hold the liquid contents and present a neat and attractive appearance.

INTERLOCKING BOARD.—M. W. WOLFE, New Lexington, Ohio. The invention relates to carpentry and provides improvements in interlocking boards, such as are used for car roofs, floors, ceilings, sidings, decks of vessels and the like, whereby leakage is prevented and shrinkage is reduced to a minimum.

STIFFENING STRIPS FOR GARMENT-WAISTS, CORSETS, ETC.—A. M. WEBER, New York, N. Y. The invention relates to a new article of manufacture, which may be employed as stiffening strips or binding strips wherever stiffness may be desired. It consists of a flat strip cut from a rattan switch or reed, which is re-enforced by means of stiff wires suitably held against the reed and covered by a woven fabric.

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.

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READ THIS COLUMN CAREFULLY.—You will find inquiries for certain classes of articles numbered in consecutive order. If you manufacture these goods write us at once and we will send you the name and address of the party desiring the information. In every case it is necessary to give the number of the inquiry. MUNN & CO.

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Inquiry No. 3602.—For parties to make a special kind of razor sharpener.

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

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Coin-operated machines. Willard, 234 Clarkson St., Brooklyn.

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Dies, stampings, specialties. L. B. Baker Mfg. Co., Racine, Wis.

Inquiry No. 3605.—For a water wheel overshot or breast wheel made of iron.

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

Inquiry No. 3606.—For a machine for spreading cloth on cutting tables.

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

Inquiry No. 3607.—For manufacturers of punched steel belt fasteners.

We make novelties in all kinds of metals. Any quantities. Metal Stamping Co., Niagara Falls, N. Y.

Inquiry No. 3608.—For makers of small articles in turned and carved wood.

Patented articles, principally of cast iron, made and introduced. Atlantic Foundry, Phillipsburg, N. J.

Inquiry No. 3609.—For information as to Mr. H. N. Hill's new electric instantaneous hot water apparatus.

Let me sell your patent. I have buyers waiting. Charles A. Scott, Granite Building, Rochester, N. Y.

Inquiry No. 3610.—For makers of long-handled wood dusters.

Kerosene most absorbing chemical composition (no asbestos) can be manufactured at low cost. Chemist, Box 775, New York.

Inquiry No. 3611.—For makers of a crack filler for floors.

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

Inquiry No. 3612.—For malleable iron castings weighing about 5 1/2 lbs. each.

Manufacturers of patent articles, dies, stamping tools, light machinery. Quadriga Manufacturing Company, 15 South Canal Street, Chicago.

Inquiry No. 3613.—For low-priced folding bedstead.

The largest manufacturer in the world of merry-go-rounds, shooting galleries and hand organs. For prices and terms write to C. W. Parker, Abilene, Kan.

Inquiry No. 3614.—For makers of machinists' screws.

We manufacture anything in metal. Patented articles, metal stamping, dies, screw mach. work, etc. Metal Novelty Works, 43 Canal Street, Chicago.

Inquiry No. 3615.—For manufacturers of knitting machinery.

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

Inquiry No. 3616.—For magnetic chucks for milling machines.

Inventors wishing to sell their patents or to have them manufactured on royalty will find it to their interest to correspond with me. J. C. Christen, Main and Dock Sts., St. Louis, Mo.

Inquiry No. 3617.—For makers of electric clock alarm bells for colleges and schools.

Gasoline Automobile Batteries. William Roche's "Autogas" used properly will carry vehicle twice as far as any other battery of same weight. William Roche, inventor and manufacturer, 42 Vesey Street, New York, N. Y., U. S. A.

Inquiry No. 3618.—For makers of articles of hard compressed paper pulp.

The Columbia hay knife beats any knife on the market. Cuts 8 in. wide and 2 ft. deep at one stroke. Invented and patented by C. Blaser, Berwick, Kan.

Inquiry No. 3619.—For compressed air apparatus for cleaning carpets and rugs.

Inquiry No. 3620.—For a stationary wire fence machine.

Inquiry No. 3621.—For manufacturers of portable cottages.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending December 23, 1902, AND EACH BEARING THAT DATE.

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

Table listing inventions and their patent numbers, including Acetylene generator safety lock, Acid and making same, metallic salts of methylene disalicylic, Advertising bottle or flask, Aerating agitator, Air cushion, Air temperature regulating and purifying device, Alkali salts of methylene disalicylic acid, Alkaline earth salts of methylene disalicylic acid, Amusement apparatus, Animals, treating, Annealing apparatus, Ash ejector, Auditing collectors' receipts, Auger, tubular, Axle dust guard, carriage, Bait, artificial, Baling press, Baling press baling chamber, Barber's implement, Barber's shears, Basket, Basket making machine.

Star Foot and Power Screw Cutting Lathes. FOR FINE, ACCURATE WORK. SENECA FALLS MFG. CO. 695 Water Street, Seneca Falls, N. Y., U. S. A.

ENGINE & FOOT LATHES. MACHINE SHOP OUTFITS. TOOLS & SUPPLIES. SEBASTIAN LATHE CO. CINCINNATI, O.

Foot and Power and Turret Lathes, Planers, Shapers, and Drill Presses. SHEPARD LATHE CO., 157 W. 24 St., Cincinnati, O.

THE HALL BRASS PIPE WRENCH. A PERFECT TOOL WITH FRICTION GRIP. WALWORTH MANUFACTURING CO., 128 TO 136 FEDERAL ST., BOSTON, MASS.

Apple Economical Gas Engine Igniters. STECKENREITER MFG. CO., 96 Lake St., Chicago, Ill.

A Universal Rotary Pocket Measure. STECKENREITER MFG. CO., 96 Lake St., Chicago, Ill.

THE EUREKA CLIP. The most useful article ever invented for the purpose. STECKENREITER MFG. CO., 96 Lake St., Chicago, Ill.

D. L. HOLDEN REAL ESTATE TRUST BLDG., PHILA., PA. SOLE MANUFACTURER REGELED ICE MACHINES.

NEW IMPROVED Microscope for Projection. QUEEN & CO., 1010 Chestnut St., Philadelphia, Pa.

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Table listing various mechanical parts and their patent numbers, including Baskets, combined handle and presser foot, Bat, Battery compound, electric, Battery installation, Battery plates, Bearing, axle spindle, Bed and lounge, combined folding, Bell, Pickop & Corbin, Binder, electric, Board setting instrument, Boiler, E. G. Ofeldt, Boiler indicator, steam, Book and binder therefor, Boring tool, G. W. Latham, Bottle cap making machine, Bottle for putting up tooth, toilet, or other powders, T. D. Richardson, Bottle holder, nursing, W. J. Smith, Bottle making machine, A. S. Reeves, Bottle, non-refillable, J. A. De Vito, Bottle, non-refillable, J. C. Beltier, Bottle stopper, L. Boucay, Bottle stopper or seal, W. S. Dorman, Bottle stopper, sprinkling, H. O. Brawner, Bottle washing machine, A. Perthold, Bottles or cans, stem-holding cap for, W. H. Beeching, Box, J. Lackner, Box or chest, G. P. Jaekel, Braiding carrier, J. Keleher, Brake mechanism, W. H. Smith, Brake shoe, W. E. Hutton, Brick machine, W. C. McElheny, Brick truck, S. W. Vance, Brooder, G. R. Adams, Brush, H. F. Ewert, Brush, J. P. Wiens, Buffer coupling, automatic, A. D. Smith, Button posts, gang of collar, N. B. Evans, Buttonhole attachment for garments, R. S. Hoyt, Cable hanger, P. H. Auxer, Can, See Silver can, Can hoop, milk, B. T. Wood, Candlestick, D. A. Ryan, Cane, etc., machinery for handling sugar, C. Piez, Car brake, automatic railway, G. W. Stockin, Car buffing mechanism, W. Kelso, Car coupling, Moreland & Redding, Car coupling draft rigging, J. A. Hinson, Car coupling release rigging, W. F. Kiesel, Jr., Car door, pneumatically actuated, Sullivan & Renshaw, Car hand, J. Donovan, Car hitching and moving device, H. J. Kayser, Car seat foot rest, L. Janson, Car twin spring draft rigging, railway, C. F. Street, Cars, draw gear for railway or like, A. D. Smith, Cars, friction draft rigging for railway, J. J. Hennessey, Cars, tandem spring draft rigging for railway, W. H. Miner, Carbonated beverages, apparatus for manufacturing and dispensing, O. J. Price, Carburer, G. A. Manwaring, Carburer, explosive engine, C. N. Nelk, Carriages, automatic stop for children's, R. T. Jones, Cartridge shell reloading device, J. H. Weston, Cask pitching device, P. W. Van de Westelaken, Caster, E. Bueser, Cattle guard, E. B. Washburn, Cattle guard, J. Crane, Cellulose, manufacturing filaments from, C. H. Stearns, Centrifugal apparatus, A. Holland, Chairs, fan for rocking, G. J. Peacock, Chimneys, walls, etc., construction of, J. F. Lyman, Chlorates, manufacturing, R. Threlfall, Chuck, lathe, Potter & Johnston, reissue, Churn, H. C. Meeker, Cigar stand, T. Hughes, Cigarette making machine, J. Macdonald, Cigarette mouthpieces, reolling mechanism for, K. Harnisch, Cigarette or cigar box, S. Goldfaden, Cigarette tube, K. Harnisch, Cigarette tube forming machine, K. Harnisch, Circuit breaker, E. A. Stevens, Clock beat adjuster, pendulum, T. Rottler, Clothes rack, J. M. Deving, Clothes rack, W. Bagge, Clutch, friction, M. Pivert, Coaster brake, C. Glover, Coin-controlled apparatus, J. A. Williams, Combination drill, L. Sack, Commutators, suppressing sparking of, R. H. Read, Compensating system, J. F. Kelly, Condenser, steam surface, J. R. Richmond, Condensing or cooling fluids, apparatus for, W. S. Colwell, Conveyor, J. D. Buchanan, Conveyor, C. W. Hunt, Cooking apparatus, electrical, M. Bayno, Copy holder, E. F. Pittman, Copy holder, Towers & Cameron, Corn thinner's vehicle, Mitchell & Sewell, Cotton chopper and cultivator, H. C. Foster, Cotton sweep, B. J. Brown, Crucible, A. Elmer, Cuff holder, F. I. Long, Cultivator, E. Haiman, Current interrupter, W. Scheidel, Current interrupter, C. O. Schneider, Current meter, induction alternate, O. T. Blathy, Current switching apparatus, alternating, E. M. Hewlett, Curtain pole, A. O'Sullivan, Cutting machine, Robinson & Viole, Cycle spring frame, motor, E. Y. White, Damper regulator, time, T. E. Hunt, Deflector, D. J. Maloney, Dental cement injecting tube, collapsible, H. L. Cruttenden, Dental cement injector, H. L. Cruttenden, Dental occlusor, C. L. Stocks, Dentists' or other uses, composition of materials for, S. J. Spence, Dies or forms, apparatus for cleaning, S. Mueller, Direct acting engine, A. E. Johnson, Display card for books and eyes, H. A. Francis, Displaying cards, price tickets, etc., device for, J. S. Cushman, Ditching machine, C. Chapman, Divider, multiple, I. Stuhlman, Door, grain, C. A. & J. J. House, Door, screen, E. Lynch, Door securer, W. N. Haring, Drum pedal and beater attachment, bass, A. F. Langenohl, Dyer's truck, J. Knott, Earthenware articles, deposition of metals on, G. W. Laybourn, Eaves trough hanger, J. Jacoby, Electric arcs, extinguishing, R. H. Read, Electric battery, G. Rosset, Electric currents, breaking, W. L. R. Emmet.

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