

RECENTLY PATENTED INVENTIONS.

Railway Appliances.

RAIL CHAIR AND CROSS TIE.—Marian M. Green, County Line, Tenn. This is a metal tie formed in H shaped sections, joined together, a pillow block being held in the upper socket of the tie and the chair resting upon the pillow block, with means for securing the block to the tie and the chair to the block, the construction being designed to give superior strength, efficiency and durability.

Electrical.

ALARM FOR CLOCKS.—William H. Deane, Brooklyn, N. Y. Combined with the hour hand or other rotating part is a ring or apertured key adapted to receive a weight, a circuit-closing lever being connected with the weight by a chain, and a battery and electric bell, with electrical connections, for giving an alarm at a predetermined time.

INCANDESCENT LAMP HANGER.—Paul J. Chassagne, Akron, Ohio. This is an improvement in hangers in which the lamps are suspended from a rotatable spool, having suitable electric connections, so that the lamp may be raised or lowered at will without affecting the electrical current through its filament, the improvement consisting in the means for connecting the conductors with the lamp-suspending cord wound on the spool.

Agricultural.

CULTIVATOR.—Gideon M. Bowman, Springdale, Ark. This is a convertible cultivating apparatus, in which the beams may be swung half round to reverse them, and set with the front or rear shovels on the inside and adjacent to each other, the arrangement being such that one horse can be used to draw both beams and their attached shovels when desired, and do efficient work in peas, beans, and other small crops.

HAY FORK.—Morell W. Dickey, Big Timber, Montana. Combined with a head to which tines are pivoted is a recessed dog pivoted in the head, a bail pivoted to the tines and adapted to be engaged by the dog, and a sliding and spring-actuated latch engaging the dog, the implement being of simple, durable and inexpensive construction.

FRUIT CLIPPER.—John T. McMullen, Bay View, Fla. This is a device to be held in the hand by loops or stalls around the thumb and forefinger, so that by opening the hand the blades, one of which is serrated and the other smooth-edged, will be spread apart to cut the stem of the fruit, the clipper being conveniently operated without cramping the hand or affecting the natural movement of the joints.

FRUIT GATHERER.—John W. Cain, Rusk, West Va. The outer end of the handle of this fruit picker has a loop to which is secured a bag terminating in a spout connected with a receiving sack, and there is pivoted to the handle a spring-pressed jaw, with means for opening it, the jaw having a portion corresponding in size and shape with the loop, whereby a person may stand on the ground and pick fruit from the tops of the trees.

Miscellaneous.

SEWING MACHINE MOTOR.—George R. Smith, Benjamin F. Collins, and James W. Shook, Elizabethtown, Ky. A horizontal shaft is suitably mounted on the sewing machine table and adapted to be revolved by means of a spring, a worm wheel on the shaft having on its periphery a series of radially projecting anti-friction pins or rollers engaging with a vertical worm shaft connected by gearing with the revolving shaft of the sewing machine.

REFRIGERATOR.—Nancy A. Laman, Bertram, Texas. This refrigerator is designed for use without ice, the cooling effect being secured by the evaporation of water carried from trough to trough by cloths by capillary attraction, and the apparatus being formed by a suitable framing having its sides closed in with wire gauze to permit the free circulation of air and exclude insects, etc.

VOTING APPARATUS.—Peter Hoffman, Fort Branch, Ind. This invention covers novel constructions and combinations of parts to be easily put together and taken down, to afford means for keeping voters in line and secluding them while marking ballots, affording also desks for the judges, inspectors and clerks, and support for the ballot boxes, poll books, etc., while being adapted to fold compactly for transportation and storage.

POSTAL EXAMINATION CASE.—John Straghan, New Orleans, La. This is a case or cabinet having a series of pigeon holes, with a support hinged to the back of the case and a removable shelf extending across its front, and other novel features, to facilitate the examination of post office clerks and railway mail clerks as to their speed in and knowledge of distributing mail matter from memory cards representing post offices in suitably labeled pigeon holes of the case.

TRIPOD.—John R. Moeller, Grand Island, Neb. This is a device of simple construction, specially adapted when unfolded to conveniently support photographic cameras, while when folded together it is adapted for use as a walking stick, it being also designed for convenient use on uneven as well as on level ground.

COMPOUND PRESS.—Francis B. Deane, Lynchburg, Va. In this press the upper and lower platen are arranged to move simultaneously toward or from each other, the travel of the lever sweep being thereby diminished to one half the stroke of the press, the speed of which is proportionately accelerated to increase the amount of work done, the press being designed for use in baling cotton, hay, etc.

ADJUSTABLE CHAIR.—James P. Hindman, Olathe, Kansas. This is a chair which may have its back reversed, and also inclined at different angles, while it is provided with adjustable leg and foot supports independent of the back, the construction being more particularly designed for railway service.

FIRE ESCAPE.—Henry Vieregg, Grand Island, Neb. This invention is designed to provide a simple and durable construction which can be readily set up on the ground and extended to a window in the upper floor of a building to form a convenient exit therefrom, the invention covering novel parts and details and combinations thereof.

ACCIDENT CASE.—Ferdinand King, New York City. This is a case especially adapted for use on railway cars, to be attached to any convenient support and locked thereto in such manner that when needed any person may readily gain access to instruments, bandages, etc., designed to be contained in the case, the case itself being conveniently detachable.

BUCK FOR BEER COOLERS.—Frank T. Cladek, Rahway, N. J. This buck has pivoted hangers and a platform with slots in which the attachment of the platform to the hangers is placed, whereby the platform is adapted to have a swinging movement with the hangers and a longitudinal movement independent of them, facilitating the removal of empty barrels and reducing the labor of placing a full barrel in the buck.

HAME FASTENER.—Louis Wildhagen, Bailey's Harbor, Wis. This is an inexpensive device which may be made of malleable iron or low grade steel, the invention covering an improvement in the class of hame fasteners adapted for adjustment in length and for detachable connection with the hames.

BRIDLE BIT.—Oliver M. Sloat, Brooklyn, N. Y. This is an automatic curb bit having a fixed mouth bar and slotted cheek pieces, spring-actuated rein eyes sliding in the slotted cheek pieces, the power of the curb being regulated by the amount of force applied to the reins, increasing when the reins are subjected to great strain and diminishing when the strain is lessened.

GAME.—Alfred Van Brakle, New York City. This is an improvement in portable game apparatus adapted for temporary attachment to an ordinary table or other flat surface to enable it to be used as a billiard table, a rigid or semi-rigid frame being employed to which the other parts of the apparatus are attached.

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