

RECENTLY PATENTED INVENTIONS. Of Interest to Farmers.

COMBINED POTATO AND CORN PLANTER.—W. A. HALL, Sr., Pardeeville, Wis. This improvement is in the nature of a check-row planter designed more especially for planting potatoes, but applicable also with slight modification to planting corn or other seed. It is designed to plant two or more rows at a time, and to check-row them or align the hill both ways, and to drop one potato or piece of potato in a hill, and to adjust the distance between the rows and also the space between the hills in the row.

Of General Interest.

WINDOW-SASH.—J. B. McKEOWN, Union Hill, N. J. This invention relates particularly to improvements in means for securing glass in fire-proof window-sash, the object being the provision in lieu of putty of a metallic securing strip or strips, the parts being so arranged that the strips may be pressed tightly against a glass of any thickness.

TRUSS.—G. V. HOUSE, Mount Vernon, N. Y. The inventor's purpose is to provide a device for the end of the truss when it connects with a purlin-carrying plate so that it will cover and conceal the end of the belt connecting with the plate and at the same time partly cover the buckle or other fastening device that receives the free end of the belt, thus giving the truss a perfect finish when on the person and preventing the belt where it connects with the plate from becoming disengaged from its buckle and also preventing the latter from annoying fleshy persons.

MOSQUITO-NET.—J. W. GRAEME, United States Navy. Lieutenant Graeme's invention is a net intended for use especially on sailor's hammocks, though it may be used for sportsmen's, hunter's, or other forms of hammocks. It is especially valuable in tropical countries, particularly in ports infected with malaria and yellow fever. It can be conveniently applied for use and when not in use can be folded in compact form and lashed up in the hammock with the other bedding.

TUBE EXPANDING AND BEADING TOOL.—W. McCORMICK, Hillyard, Wash. The invention pertains to boilers; and its object is to provide a new and improved tube expanding and beading tool arranged to quickly expand the tube in the flue-sheet opening, to form beads on the tube on opposite faces of the flue-sheet, and to give a high finish to the outer bead.

CHAIN-LINK SHACKLE.—G. A. H. DRESLER, Karlstrasse 25¹¹, Kiel, Germany. The object in this case is a connecting-shackle for chain-links in which the ends of the open link are held together by means of a closing member. The arrangement is such that this member is provided with recesses directed toward the interior of the chain-link and covers the connecting-studs of the link in the manner of a cap. The web or shank portion of the closing member is surrounded by a box or sleeve, which serves to reinforce the pin of the link by taking the strain.

WIRE-REEL.—W. E. EICHHOFF, Cairo, Ill. The reel winds or unwinds any kind of wire. One object in view of the inventor is the provision of means for mounting the reel to the end that it may be adjusted to a variety of positions, whereby the reel is adapted to rotate in a vertical, horizontal, or inclined plane, and provision is made for overcoming tendency of reel and its mount to tip or fall over in hillside use. He provides a wheeled truck on which the reel proper may be mounted in a detached manner, and equipped with platform for supporting extra coil of wire, tools, etc., when the reel is mounted on the truck, although the platform may be raised on the truck when the reel is dismounted, to serve as the bed of the truck.

MINER'S LAMP.—T. T. CARTER and S. J. THOMPSON, Bluefield, W. Va. The design in this instance is to provide a lamp which can be readily fitted over the cap of the miner or attached thereto. The vizor, which is of metal, will reinforce the usual cap-vizor, or it will take the place of the ordinary vizor. Means are provided so that when the miner dons his cap the lamp will be with him. The vizor and shield-plate form projecting guards for the wearer's head.

Hardware.

TUMBLER-LOCK.—N. W. WEBB, New York, N. Y. The object in this case is to provide a lock more especially designed for use as a latch or dead-lock and arranged to insure proper working of the tumbler-pins, without danger of getting out of order, by providing strong and long tumbler-pins and springs, without unduly increasing the size of the plug and keys, to prevent unauthorized persons from actuating the door-lock with a view to unlocking and opening the door.

Household Utilities.

OVEN.—H. C. G. KREUTZKAMP, New York, N. Y. In this patent the invention refers to ovens such as used for baking food. The object is to produce an oven which is specially adapted to be used in connection with a gas-stove, further objects being to provide improved means for regulating the distribution of the heat within the oven and preventing radiation therefrom.

IRON-HEATER.—C. PETTY, Bay Minette, Ala. In use the device is placed in front of such a source of heat as a fireplace, with the opening in the hood turned toward it, and then upon raising the shield the irons may be introduced and limited in inward movement or toward the fire by the fender, while they will be prevented from falling in this direction by the contact of the handle with the shield. When sufficiently hot, the shield is raised and irons removed. The irons are held out of contact with ashes and away from the influence of smoke.

SIGNAL.—M. D. CAMPBELL, Charlestown, Mass. The invention relates to signals, and more particularly to those adapted for domestic use for conveying information to tradesmen delivering goods. The signal comprises a support having an opening, a mirror mounted in the opening, a holder surrounding the opening at one side, and cards provided with perforations furnishing characters carried by the holder.

COMMODORE.—W. C. FEELY, New York, N. Y. The purpose of this inventor is to provide a wheel-supported commode which may be used alone whenever needed, but which can be attached when required to the side of a bed, a couch, or equivalent article of furniture; and a further purpose is to provide a convenient means for bodily adjusting the commode, together with adjustable back and leg rests for the user. Another purpose is to provide a construction of bed particularly adapted for use in connection with the commode.

Machines and Mechanical Devices.

REGISTERING DEVICE FOR PRESSES.—W. J. RAMSAIER, New York, N. Y. While the principle of this invention is capable of many applications it is particularly designed for registering the number of impressions made by a printing-press. The principal object is to provide for accurate registration of impressions and also to prevent recording of movements of the platens of the press unless those movements result in the taking of an impression.

COTTON-COMPRESS.—W. HILL, Alexandria, La. One purpose of the inventor is to provide a construction of a compress which will stand a minimum of wear, and also to so safeguard the screw-shafts that they will be effectually protected against grit, dust, and like material calculated to injure them, and, furthermore, to provide effective means for protecting the screw-protectors against damage through careless handling of bales to be compressed.

SAW-SWAGE.—S. T. LIPSEY, Georgetown, S. C. One of the principal objects of the invention is the provision of a saw-swage adapted alike to the swaging of the teeth of band-saws, gang-saws, and circular saws irrespective of the gage thereof and also to provide means for overcoming many disadvantages and objections encountered in the use of many saw-swages hitherto devised with like ends in view.

PRESSER-MACHINE FOR BOXING PURPOSES.—G. N. POND, Aspen, Col. In packaging fruits of different kinds, as apples and pears, in boxes and the like, each box is usually filled with the fruit to a height exceeding that of the upper edge of the box for about one-half the thickness of a layer of the fruit, and when the lid is applied it is necessary to press down and hold it while securing it in place either by nailing or otherwise. The principal object of the inventor is to provide a machine for performing the work of holding down the lid while securing the same in place.

HAT-HANGER.—M. W. POTTER, Red Lodge, Mont. The invention has reference to improvements in devices for hanging hats on hooks or the like, the object being to provide a hanger adapted to be attached to a hat and so arranged as to be turned outward for engaging with a hook or the like and automatically swinging into the hat when released from the hook.

TRANSMISSION MECHANISM.—E. NELSON, New York, N. Y. This invention is especially useful under circumstances where it is desirable to transmit power at a variable velocity of rotation. The object is to produce a mechanism which will be simple in construction and which will enable a variable-speed transmission to be effected by frictional contact, and to further provide means whereby the transmission may become variable.

Railways and Their Accessories.

DEVICE FOR ACTUATING SWITCHES.—A. FULLER, Amsterdam, N. Y. In this patent the object of the inventor is to provide a device for actuating a switch-point by the motor-man in charge of the car, the device being simple and durable in construction and composed of few parts not liable to get easily out of order. Means are provided to permit convenient removal of any dirt, snow, or the like accumulating in the pit below the switch-plate. The invention relates to street-railways.

SAFETY GUARD OR FENDER FOR TRAMWAY AND THE LIKE VEHICLES.—P. LENTZ, 34 Sternstrasse, Gross Lichterfelde, near Berlin, Germany. This device or guard is for trains and the like, the catching apparatus of which is suspended from rocking rods by means of joints. The catching apparatus is connected with the supporting-frame at the rear end by means of intermediate links in such manner that upon being pressed back by the obstacle

its rear end is raised so that its front end is lowered onto the track so that the catching apparatus is readily able to receive person or object in danger and so that no injury can be occasioned thereto.

COMBINED STRAP-HANGER, SIGNAL-BELL RINGER, AND REGISTER-RINGER.—S. S. BROOKS, Brooklyn, N. Y. When the sections of the strap-rail are in place they form a continuous rail supported in very efficient manner by the oppositely-disposed attaching-arms of the brackets. The parts of the rail are easily assembled, one section being fixed in place, after which remaining sections may be easily adjusted with respect thereto. The rail is also capable of indefinite expansion or may be made as short as required.

GRAIN-DOOR.—W. J. COCKLIN, Rising City, Neb. The invention pertains to a door for freight-cars of the "box-cars" type, by which door the cars may be rendered sufficiently tight to permit loading grain in bulk. The object is to simplify the construction of the door, render it stronger or more durable, and permit it to be readily folded, so that it will not interfere with using the car for other freight.

Pertaining to Vehicles.

VEHICLE-BODY.—W. W. OGDEN, Chatham, and W. C. YELTON, Newark, N. J. Means are provided by this improvement for joining either aluminium, steel, copper, or any other metal panels together and to the wooden frame of vehicle-bodies to avoid former objections—in other words, to provide a waterproof shell, add to stiffness and rigidity of structure, and afford absolutely smooth and uniform outer surface for shell and adjoining strip. This is accomplished by improvements in the frame and joint-strip, which co-operate with each other to secure the desired result.

Pertaining to Recreation.

GAME-COUNTER.—O. W. FIELD, Chicago, Ill. The invention refers more especially to counters adapted for use in connection with games, as billiards and the like. A casing or supporting frame is employed in which are operatively organized a plurality of preferably horizontally-aligned counting members, each having independent movement in or on guides therefor within the casing, to be brought to position to indicate or register a particular number of points of the game.

Designs.

DESIGN FOR A BADGE.—W. C. MARTEN, Carbonate, Ill. Within the borders of this ornamental badge are arranged in upright crossed positions an axe and a wooden maul on a log of wood. A wedge is balanced between these implements. Surmounting all are the letters "W M A." Three links of heavy chain extend partly around the bottom of the badge, and between the log and chain are the letters "I O O F."

DESIGN FOR A CASING OF VENDING-MACHINES.—J. E. CAHILL, Baltimore, Md. This ornamental design simulates an elephant, the elephantine form being represented in standing position, with head raised, mouth and throat widely distended, short tusks joining sides of the mouth, ears projecting laterally, and the trunk raised high and thrown backward and to one side.

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Inquiry No. 8084.—Wanted, address of makers or patentees of apparatus or system for drying fruit, in which the air passing through is first freed of its moisture by contact with concentrated sulphuric acid, running down a series of shelves arranged in tower fashion.

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