

RECENTLY PATENTED INVENTIONS.

Pertaining to Apparel.

HOSE-SUPPORTER.—J. MANN, New York, N. Y. A waist band carries three flaps, one fixed the others adjustable. Each outside flap carries a depending tape and an intermediate flap carries two tapes, all tapes being preferably made of elastic material and provided at their lower extremities with buckles and clasps. Buttons preferably of the ball-and-socket type are arranged on the three flaps for connecting them together when the entire supporting strain is thrown at the front of the body and to be disconnected when the supporting strain is to be partly distributed at each side.

TRUSS ATTACHMENT FOR CORSETS.—I. BAER, New York, N. Y. In this patent the invention relates to trusses such as worn by ruptured persons. The object is to provide a truss which may be readily attached to a corset and which will carry an adjustable pad adapted to the different kinds of rupture with which persons may be afflicted. While the truss attachment is expected to be used largely by women, a modified or skeleton corset may be used where the device is to be used by men.

Of Interest to Farmers.

AUTOMATIC PITCHER AND SELF-FEEDER FOR THRESHING MACHINES.—G. C. WILES, Hutchinson, Kan. The improvement relates to threshing-machines, and concerns itself especially with the construction of mechanism for feeding the unthreshed grain to the cylinder. The object of the invention is to produce feeding mechanism which will enable a quantity of grain lying within a given radius to be fed quickly and automatically to the machine.

ADJUSTABLE REEL FOR HEADERS.—R. H. ACKERMAN, Endicott, Wash. The headers have above a row of teeth a reel for bringing the heads of grain up to the stripping-teeth, and this reel is required to be made adjustable up and down in relation to the teeth to accommodate grain of different height as well as to cut in hollows and on uneven ground. This adjustment should be made with one hand without stopping the team, and the invention provides a convenient mechanism for doing this.

WEEDER.—A. MCRÆ, Pendleton, Ohio. The blades are set so that they cut just beneath the ground, and should one become clogged the blade may be lifted from the ground by means of the attached lever, while the other remains in place. The blades may be used alternately, thus preventing clogging of the weeder. Means are provided by which the blades during elevation are moved rearwardly at slight angle with respect to the ground and after freeing from the ground move quickly upward in position for quickly freeing them from the accumulated weeds, etc. When in the upward position, the arch of the arched arms is almost directly upward, thus allowing all accumulations to fall easily therefrom.

DUMP AND ELEVATOR.—J. F. COLLINS, Marcus, Iowa. The objects of the inventor are to provide a combined dump and elevator adapted to unload and elevate the contents of a wagon by means of a team while attached to the wagon and to provide means for enabling the device to be used in narrow passageways and between cribs, so as to carry grain to many different cribs or bins without removing the machine or using a drag.

MACHINE FOR HULLING GREEN CORN.—W. CALDWELL, Circleville, Ohio. One purpose of the improvement is to provide an effective machine especially adapted for removing the hulls or skins from green corn after the corn has been cut from the cobs, whereby to provide a more superior quality of food product than the ordinary canned, evaporated, or dried corn.

Of General Interest.

PROCESS OF MAKING A SOLUTION OF OXYHEMOGLOBIN.—W. J. J. HENDRIKSZON, Hague, Netherlands. The method used in this process permits the complete recovery of all the hemoglobin from the blood-corpuscles without the use of any ether, which latter was hitherto necessary to the known methods. The complete extraction of the hemoglobin or the oxyhemoglobin is effected in the simplest manner and, moreover, renders possible the complete separation of the stroma.

VALVE.—C. D. BALLARD, Elgin, Ohio. The cylinder of oil-wells usually contains two valves. The bottom or "standing" valve is stationary and coats with an upper reciprocating valve in raising the oil through the well-tube to the surface of the ground. It is often necessary to remove these valves to renew the leathers, etc. These operations require considerable time and delay, as well as work, which is the object of this invention to overcome.

PENCIL-HOLDER.—S. J. LESTER, Otter Pond, Ky. The object had in view in this case is the provision of a device which shall not only be novel and useful, but adapted to hold a series of pencils, penholders, or similarly formed instruments, and at the same time be constructed providing ready attachment and detachment of the holder from the article of apparel such as a coat, shirt, etc.

FLY-TRAP.—J. O. WINDUST, Walker, Wash. The fundamental principle of construction is

embodied in a hood or petticoat which by a clock mechanism is intermittently raised and dropped over a board or table baited with sugar or molasses, the flies being thereby caught in a temporarily-darkened chamber, whence they emerge through a lighted opening into a receiving-cage.

WALL-PAPER.—J. J. JANEWAY, New Brunswick, N. J. The object in this instance is to provide a border or ceiling in a continuous roll with blank fillings for the places eventually to be left open, thus giving sufficient strength or reinforce to the paper and permitting of free handling and rolling of the paper without danger of tearing the junction-lines between the blanks and the pattern being perforated, so that the blanks may be readily removed before the border is placed in position.

AUTOMATIC CUT-OFF.—H. J. TRAH, Logansport, Ind. This invention has reference to water distribution; and its object is to provide a cut-off designed for use in house-leaders and the like and arranged to allow the dirty rain-water from the roof of a house to pass to a waste-pipe and then direct the following clear rain-water to a cistern or other reservoir.

CURETTE.—E. REAVLEY, Rosthern, Saskatchewan, Canada. The purpose is to so construct this instrument that it will be of semi-pliable material, and so that one shank and handle can be fitted to different sizes of the instrument, and, further, to provide an instrument that may be safely inserted without injury, and which will act to remove placenta or other fetal matter and substances without lacerating or inflaming intra-uterine tissue and without danger of producing new lesions and which will be much superior to metal instruments now used or the finger of the operator.

Hardware.

SAW-FRAME.—A. ALLEN, Lead, S. D. This invention refers especially to that class of frames for receiving a detachable blade. The object is not only to improve the construction of saw-blades of this character, making them more convenient to handle, cheapening and simplifying them, but also to provide a novel and easily-operated means for stretching the saw-blade in the frame after it is applied thereto.

CARPENTER'S TOOL.—B. STOLL, Gardena, N. D. The invention pertains to woodworking-tools, and its object is the provision of a new and improved carpenter's tool more especially designed for pressing floor-boards, sheathing-boards, and the like into proper position for nailing. It is very simple and durable in construction and can be cheaply manufactured.

MAGNETIC TACK-HAMMER.—J. A. R. DAMONTE, New Orleans, La. In this magnetic tack-hammer the tacks are placed in the magazine indiscriminately, and when the hammer is brought up to a striking position it causes the tacks to scatter, and on the outward swing or striking movement they find their way one at a time through the tube and slot in the handle and down into the slideway.

BOLT-EXTRACTOR.—W. McCORMICK, Hilliard, Wash. This bolt-extractor is designed, primarily, for the removal of crown-bolts from the crown-sheets of locomotives, although its use is not limited to this particular class of work, since it will be found to be an effective means for removing bolts in other relations, especially those with round or other forms of heads on which an ordinary type of wrench cannot obtain a purchase.

NUT-LOCK.—D. W. PATTON, Moberly, Mo. In use the nut is screwed on the bolt the distance desired and turned so that the flattened end of the bolt lies parallel to the grooves in the nut. The staple is inserted in the grooves, thus holding the flattened end portion of the bolt between the two arms thereof and preventing its rotation. Means are adapted to engage the edges of the nut and prevent accidental displacement of the locking member. The latter being preferably of wire, its outer ends may be bent out of alignment after its insertion, thus serving as an additional means for holding the same in place.

Heating and Lighting.

HYDROCARBON-BURNER.—J. N. BLAIN and O. H. SMITH, Ottawa, Kan. The object of this invention is to produce a burner which will present efficient means for carbureting the air let into the burner. A further object is to construct the fire-pan so as to enable the same to be readily inserted in an ordinary stove or furnace and to provide the same with special means for facilitating the gasifying of the fuel when fed thereto.

Household Utilities.

WATER-CLOSET TANK.—F. W. KINGSBURY, Evansville, Ind. Mr. Kingsbury's invention is an improvement in water-closet tanks, and has for its object to provide novel means for supporting the tank and for holding it by the plumbing connections in interlocked engagement with the supporting means. The construction dispenses with the expensive and objectionable back plate or board and brackets ordinarily employed.

MATCH-HOLDER.—M. JAEGER, New York, N. Y. The object in this case is to provide a device that may be attached to a wall or

similar support and adapted to hold a full box of matches and so constructed that the matches will automatically feed downward to be removed one at a time, thus preventing waste of matches and obviating danger from fire by matches falling on the floor and igniting by a person's shoes.

BABY-WALKER.—H. VOIGT, Sr., Winona, Minn. The purpose in this improvement is to provide a device usable in a house or out of doors, it being sufficiently strong in construction as not to be damaged by out-door exposure and by means of which a child learning to walk will have healthful exercise and amusement. It may be compactly folded when not in use.

WATER-CLOSET SEAT.—F. W. KINGSBURY, Evansville, Ind. In this instance the invention is an improvement in water-closet seats, and has for its object the provision of a seat which will present no unusual appearance, will be strong and durable, and will have no sockets or other openings in its exposed faces to be filled by putty, litharge, cement, or the like.

COMBINED DRESSING-TABLE AND CLOTHES-PRESS.—H. KNAPP, Springfield, Mass. In the present patent the invention has reference to cabinets; and the object of the improvement is the production of a cabinet which will constitute a combined dressing-table and clothes-press, which cabinet will be of simple construction and ornamental in appearance.

Machines and Mechanical Devices.

THREAD-LUBRICATING DEVICE.—C. H. EMERSON, New York, N. Y. The invention pertains to a device for waxing thread, and is especially applicable for use on spooling-machines, where it is mounted at such a point that the thread in passing to the spooler may pass through the device in order to be waxed. It is designed for the reception of a solid lubricating material in lumps—as, for example, paraffin or the like.

COTTON-GIN-CLEANING DEVICE.—F. H. TAYLOR, Kansas City, Kan. Mr. Taylor's object is to provide means for cleaning the saw-cylinders of cotton-gins of the gummy matter which accumulates thereon under some conditions. He attains this end by a rubbing device, which may form a permanent part of the gin or a temporary attachment thereto, and which when thrown into action alternately scrapes or rubs the sides of the saws, rapidly and effectively removing the accumulations thereon.

ADDRESS-PRINTING ATTACHMENT.—W. L. BUCKSEN, Blooming Prairie, Minn. For each operation of the press a wheel is rotated one step, and the parts are so designed that this provides for printing one name and moving the next type into a position where it can perform the printing operation the next time the drum rotates. The ink is applied to the types in a convenient place, and they are cleaned on a felt pad in an effective manner.

ORE-SEPARATOR.—M. R. LYLE, Oakland, Cal. The device is especially adapted for effecting the separation of gold from its ore or from gold-bearing sand and gravel. The object is to provide a construction by means of which as the separation of the metal is effected the waste material will be constantly ejected. Means provide for reducing the forces to operate the device and to provide an arrangement which will prevent loss of metal in the waste sand.

YARN-PRINTING MACHINE.—W. E. LYFORD, Thompsonville, Conn. The machine is such as is used by carpet manufacturers in making tapestry and other carpets, rugs, and like fabrics. The object of the inventor is to provide improvements in yarn-printing machines whereby a proper and intense rubbing or scraping of the color is had to insure a thorough penetration of the color into the yarn, thus producing a printed yarn of high quality.

SEPARATOR.—W. M. COOK, Ludlow, Vt. The invention relates to grinding-mills and the like reducing-machines for reducing dry substances to powder; and its object is to provide a separator arranged to insure a thorough and complete separation of the tailings from the finished product in a comparatively simple and inexpensive manner.

AUTOMATIC SELLING-MACHINE.—W. ABEL, 9 Lutherstrasse, Berlin, Germany. By means of this device complete security is obtained against the taking out of more cards than one or when layers of two or three cards each are placed crosswise one upon the other against the taking out of more than two or three cards, respectively. At the same time it is effected that the pile of cards is not supported only in the margins of the cards, but rests on the whole surface of the latter, and that the card to be pushed out rests flatly between the remaining pile of cards and a flat supporting-plate and can be shoved out, moving in its own plane.

PILE-FABRIC LOOM.—F. A. WHITMORE, Philadelphia, Pa. The object of the present invention is to provide a new and improved loom for weaving pile fabrics. To produce the weave a special heddle device is used. The invention is so arranged that the pile warp-thread is looped around a lower ground warp-thread and then passed between ground warp-threads and these latter are twisted between successive picks, so that certain members of a pile extend on opposite sides of the upper ground warp-thread.

MULTIPLE-DRILL SOCKET.—J. P. HYLANDER, Portland, Ore. The purpose of the invention is to provide a socket in which three or more drills may be held and simultaneously operated. Means are provided for adjusting the relative positions of the drills and for adjusting the socket for different lengths of drills.

Railways and Their Accessories.

SAFETY DEVICE FOR AIR-BRAKES.—J. JUDGE, Pittston, Pa. The invention pertains to means for applying the air-brakes to the cars of a train, and has for its object to provide a device not liable to become inoperative, and adapted to insure proper observance of a danger or other signal designed for the engineer.

RAIL JOINT.—T. BOWEN, Grove City, Pa. In this instance the improvement refers to rail-joints for securing together the meeting ends of railway-rails, and has for its object to provide means adapted to clamp the ends of the rails firmly and hold them evenly together at all times, thereby preventing the ends of the rails from sagging and becoming worn by the consequent pounding of cars passing over them.

TRAIN-SIGNAL.—G. D. WATSON, Parkersburg, W. Va. In applying the invention signal-posts are provided at suitable points, and between these posts a plurality of intermediate posts are set, and these support wires, so that a fence or guard is formed adjacent to the track and on the side where dangers from landslides are expected. If a landslide occurs the movement of the earth or rocks will operate the wires and release a semaphore, which will then descend into the danger position. The apparatus may be made useful at night as well as in daytime. The invention is applicable in preventing accidents from a cave-in at a tunnel. It may prevent an accident from the lateral shifting of a track. It may also be used to prevent an accident from the destruction of a bridge. The signal will be operated not only by a pull in the wires of the guard-fence, but also by a rupture or breaking of these wires.

Pertaining to Recreation.

SWIMMING-MACHINE.—J. STUB, New York, N. Y. An embodiment of this invention consists of a frame of tubular construction having a pointed forward end between which is fixed a float comprising a hollow body conforming to the frame and which is shaped like a cigar. The machine is provided with a keel fixed to the float to prevent it from overturning and also provided with suitable propelling means journaled in the rear end of the frame.

TOY WAGON.—W. SLATTERY, New York, N. Y. This novel arrangement to interest and amuse the young, consists of a four-wheeled structure having vertical standards adjacent to each wheel, on which are journaled spools or reels adapted to be driven from the periphery of the wheels and also themselves driving ornamental spinning devices in an elevated position.

SPRING FISH-HOOK.—A. S. MARTIN, Geneseo, Ill. The invention relates to hooks of the type in which a spring-actuated auxiliary hook is released when the fish strikes at the bait, thus allowing a plurality of hooks to obtain a firm hold upon the fish, and thereby prevent its escape. The device is especially useful in the catching of quick-striking fish, such as trout or bass. The hook is only operated by actual contact.

Pertaining to Vehicles.

VEHICLE-WHEEL.—T. T. CHALONER, New York, N. Y. The object of the inventor is the provision of a yielding tire of novel construction that may be placed on a wheel having a metal tire and serve as a substitute for a pneumatic tire and having all the yielding qualities thereof without the danger of destruction by puncturing or wear. The invention may be applied to a wheel having a pneumatic or a solid-rubber tire.

SPEED AND DISTANCE INDICATOR FOR VEHICLES.—C. R. JOHNSON and C. KNOFF, New York, N. Y. The invention pertains to improvements in devices designed to be attached to vehicles, particularly automobiles, to indicate the speed of travel, the miles covered in a single run, and the total number of miles traveled, the object being to provide a device that will be simple in construction and accurate in operation.

BICYCLE-LOCK.—S. HAYFORD and K. HAYFORD, Turtle Bayou, Texas. In this patent the object of the invention is to provide a bicycle-lock which forms a permanent fixture of the bicycle, is completely out of sight, and arranged to lock the running gear of the bicycle to prevent unauthorized persons from riding away with the bicycle.

Designs.

DESIGN FOR A LAPEL-BUTTON.—A. JOHNSON, New York, N. Y. Mr. Johnson has invented a new, original, and ornamental design for a lapel-button, comprising a round, flat button placed in the center of two crossed oars. It is very neat in appearance.

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.