RECENTLY PATENTED INVENTIONS.

Pertaining to Apparel.

GARMENT-CLASP. — L. C. STUKENBORG, Browns, Ala. One purpose of this invention is to provide a simple form of clasp adapted for use in connection with any garment, but which is more particularly adapted for holding up hosiery of all types, and which may be used also in connection with draperies. The invention provides means to prevent puncture or laceration of material in passing in or withdrawal from the device.

Electrical Devices.

INSULATED HANGER.—L. STEINBERGER, New York, N. Y. The hanger admits of general use, and is particularly adapted to be employed for supporting electrical railway trolley wires. The more particular object, however, of this inventor is to produce a type of hanger in which the melting of the insulation, due to leakage from heavy currents or other causes, is unable to cause the line wire or other conductor supported by the hanger, to separate from the same or to fall to the ground.

TOWER OR POLE.—F. MILLIKEN, New York, N. Y. The invention is an improvement in structural steel poles or towers, for electric transmission cables as are designed to conduct electricity from the place of generation to distant points. The poles for this purpose are generally placed a considerable distance apart in order to economize in construction as much as is feasible, and accordingly each pole is subjected to severe strains of varying nature. Mr. Milliken's invention resists these strains.

Of Interest to Farmers.

COVER FOR BEET-FLUMES.—J. R. LEES, Denver, Colo. The invention relates to flumes such as are used in connection with beet sugar mills for floating beets into the mill from the receiving sheds. The object is to produce a cover which can be simply constructed of metal, and which is constructed in such a way as to enable it to be readily removed, and if desired secured in position.

PLANTING-MACHINE.—B. C. MCCOY, Pontiac, Mich. The invention consists in a device comprising a seed separating and distributing device, means for delivering seed therefrom to a discharging device, means for making a furrow and depositing seed therein at predetermined intervals, and means for covering the deposited seed, all of the results being substantially automatically attained. It relates to a machine for which Letters Patent were formerly granted to Mr. McCoy.

Of General Interest.

EYEGLASS-MOUNTING.—H. G. ROSKIND, Columbia, Tenn. In this instance the invention is an improvement in eyeglass mountings, and particularly in that class in which the guards are pivotally mounted and spring actuated and can be opened for the application of the guards to the nose of the wearer and then released to engage by a spring action with the nose.

PACKING-BOX.—G. CERF, New York, N. Y. The aim here is to provide a box collapsible in construction, and more especially designed for packing and shipping dry goods and other heavy pieces and articles of merchandise, and arranged to permit of conveniently setting up the parts or disconnecting the same, for forming a small bundle capable of being stored and shipped in a comparatively small space.

CONCRETE-MOLD. — W. H. ALEXANDER, Long Branch, N. J. The purpose in this improvement is to provide a mold which will more readily permit of a concrete block being formed with its exterior surface of a different mixture from its body; and it also has in view the provision of means to remove the concrete block from the mold with little trouble, and with no danger of breakage.

HORSE-COLLAR. — J. DE W. WHIPPLE, Omaha, Neb. The particular purpose in view in this case is to provide features of improvement for the collar formerly patented by Mr. Whipple whereby the construction is simplified, and the connections to the draft leathers are adapted for self adjustment, to accommodate a difference in the line of draft strain due to a high or low hitch upon the object to be drawn. Furthermore to dispense with objectionable projections from the draft-leathers, and obviate wear of parts by changing their construction while effecting a like purpose.

ENVELOPE.—A. E. HARKER, Windsor, N. J. One of the purposes here is to produce a shapely envelope from a single sheet of paper, that may be rapidly cut, folded into form and secured by an adherent at certain edges thereof, so as to provide two independent pockets therein for the reception of cash contributions, the envelope being especially designed for use in the collection of voluntary offerings for the support of a pastor, and other purposes, and which are usually collected and disbursed by church officers.

METAL CONSTRUCTION.—W. P. LAWRENCE, Colorado Springs, Colo. The invention relates to improvements in metal construction, and more particularly to means for securing together tubular members formed of sheet metal. It may be utilized in various different arts, but is particularly adapted for use in the formation of metal furniture, for instance, in securing the rails of bedsteads and chairs to the uprights thereof.

ARM AND BRUSH FOR BOTTLE-WASHERS.—C. K. VOLCKENING, New York, N. Y. The improvement refers to arms and brushes used in bottle washers, the more particular purpose being to provide a metallic arm made of such form as to be readily struck up or stamped from sheet metal and bent into suitable form, after which a brush of rubber or other resilient material is vulcanized upon the arm.

INHALER.—H. WEIR, Portland, Ore. This device is of a shape as will render it easy of application to the nostrils and protect them from injury. Absorbent material is mounted in two truncated cones, and retains medicine or absorbing organic matter discharged from the nose or even for the purpose of merely filtering the air used in breathing, as the case may be.

Hardware.

TENSION DEVICE FOR SHEARS OR SCISSORS.—W. M. BOWES, New York, N. Y. In the present patent the invention has for an object the provision of a tension device of simple construction having a movable adjusting member, and constructed in such a way that in whichever direction the adjustable member is moved it will tighten the blades.

WRENCH.—J. E. LA DOW, Kellogg, Iowa. An object in this case is to provide an inexpensive wrench for use with pipe or other similar material, which within the limits of the wrench will fit any size of pipe, and which serves to grip the pipe so firmly that the same is not likely to slip between the jaws when being turned by means of the wrench.

Household Utilities.

WOVEN-WIRE BED-BOTTOM.—G. BOEHM, Marshfield, Wis. The bed bottom is so constructed that the tension at the longitudinal center shall be stronger than at the sides, so that when two persons are occupying a bed having this improved woven wire bottom, they will not roll toward the center, and so that when one person is of a less weight than the other each can keep his position without incommoding the other.

CLOSET-FITTING. — W. M. WEATHERLY, Greensboro, N. C. The invention in this case is for use in closets in connection with soil pipe, and makes a direct, solid, safe, and sanitary connection to the soil pipe by the use of the specially made fitting and gasket and bolts at a less cost in time and material than by the use of the lead bends, ferrules and flanges ordinarily used in making closet connections.

FOLDING TABLE.—L. NOLAN, New York, N. Y. In the present patent the invention has reference to folding tables, the more particular purpose being to provide a form of knockdown table having great strength combined with lightness. The table comprises two horses and folding boards resting thereupon, these boards being provided with various detachable braces and other strengthening members.

Machines and Mechanical Devices.

WOVEN PILE FABRIC.—J. K. DALKRANIAN, New York, N. Y. In this patent the invention has for an object the provision of a new and improved woven pile fabric of the oriental rug type having Persian knots, and arranged to strongly reinforce the body of the fabric, thus rendering the latter exceedingly strong and durable.

METHOD FOR FORMING WOVEN PILE FABRICS.—J. K. DALKRANIAN, New York, N. Y. The object of this invention is to provide a new and improved method for forming woven pile fabrics of the oriental rug type, the weave having Persian knots which are formed mechanically in a very simple manner, and preferably on a loom, such, for instance, as shown, and described in the Letters Patent of the U. S., formerly granted to Mr. Dalkranian.

SKIRT-MARKER.—L. D'ELIA, New York, N. Y. More particularly the invention relates to adjustable clamping means for holding the skirt after gripping the lower portion of the skirt, and to constitute a guide for the marker. The object is to provide means for gripping the skirt substantially throughout the circumference of the lower portion thereof and adjustable so as to grip it at any desired height, and adjustable to receive skirts of any size.

APPARATUS FOR WINDING AND CLEANING SILK AND OTHER FABRICS.—E. DUBINI, No. 2 Piazza Belgioioso, Milan, Italy. The aim of the present invention is to facilitate the speedy winding of silk and other textile fibers as well as to unite in one sole operation the winding and cleaning processes, thus causing a considerable saving in the handicraft, and allowing of the production of waste being greatly diminished.

DEVICE FOR HANDLING TYPE-WRITER RIBBONS.—E. C. MAGNUS, Bonn-on-the-Rhine, Germany. The intention in this case is to provide a device which may be used in putting type-writer ribbons on type-writers and in removing the ribbon previous to writing wax stencils, or when worn, without it being necessary for the operator to touch the ribbon with his hands.

HEDDLE-MAKING MACHINE.—C. B. BORGESON, Butler, Pa. This invention refers to a machine for making loom-heddles of a duplex wire composed of two parallel strands soldered together continuously throughout their length; and the object of the invention is to provide an automatic power-driven machine, which is simple of construction, easy to keep in working order, and of great capacity.

HOISTING APPARATUS. — C. CONKLIN, New York, N. Y. In this apparatus the load carrier automatically travels laterally on the boom when it reaches the proper elevation, and after passing to the point of discharge and releasing the load, to be automatically returned to initial position upon throwing the hoisting mechanism out of gear, the point to which the carrier moves outwardly on the boom being capable of adjustment, whereby the carrier may be dropped at the most advantageous point for loading.

STEM FOR BOTTLE-WASHING BRUSHES.—C. K. VOLCKENING, New York, N. Y. The purpose of this invention, generally speaking, is to facilitate the quick withdrawal of the bottle washer brush from contact with any obstruction which this brush meets in washing the bottle, the withdrawal being controlled by the obstruction, but the motive power for effecting the withdrawal being supplied from the power used for turning the stem.

BENDING-MACHINE.—M. J. MCGILL, Park City, Utah. The object of the invention is to provide a bending machine, more especially designed for bending rails, pipes and other articles in a very simple manner and without requiring much physical exertion on the part of the operator, the machine being portable and hence very serviceable for use in mines and other places.

MACHINE FOR GLUING TEXTILE FABRICS.—F. C. SCHRÖDER, 4 Marcus Sidealle, Copenhagen, and J. SEDAL, Jaegersborg Alle, Gentofte, Denmark. The invention comprehends a machine for the automatic continuous gluing of textile fabrics, and is so arranged that in its action it divides into separate groups the various layers of cloth to be glued, and brings the layers together in such manner that each group is glued independently of the others, the pressure necessary for the gluing being utilized in the most effective manner.

CUTTING AND CONVEYING MECHANISM. —S. M. LANGSTON, Camden, N. J. This invention relates to improvements in machinery for cutting or subdividing paper, cardboard, pasteboard, cellular board, or the like, and relates more particularly to a combined cutting and conveying mechanism, whereby the separate pieces may be delivered from the machine intermittently in piles rather than deliver each piece as soon as it is separated or cut off.

SHAFT-ALINER.—A. J. HOLMES, Gouverneur, N. Y. The more particular purpose in this case is to provide a device suitable for ascertaining the so-called "vertical alinement" and so-called "horizontal alinement" of a shaft. The aliner is provided with jaws for gripping a shaft in such manner that, regardless of the diameter of the shaft, the center is always in alinement with a certain portion of the alinement apparatus.

Musical Devices.

STRINGED MUSICAL INSTRUMENT.—A. S. LESLIE, Sapperton, British Columbia, Canada. One of the objects in this case is to improve stringed musical instruments, such as violins, violas, violoncellos, and the like, so that the strings can be easily replaced when necessary and without loss of time, as is the case in an ordinary stringed instrument when a string is broken.

PIANO-PEDAL AND PROCESS OF MAKING THE SAME.—A. L. EBBELS, New York, N. Y. The intention in this improvement is to produce a process for attaching the toe of the pedal to a rod, the general purpose being to decrease the cost of manufacture and to increase the rigidity and strength of the complete, finished article. It relates to pedals for use with pianos, organs, and similar instruments.

Prime Movers and Their Accessories.

VALVE MECHANISM FOR STEAM-ENGINES.—E. L. BOWEN, McComb City, Miss. The invention relates to engines for pumps for fluid pressure brakes, and its object is to provide certain new and useful improvements in valve mechanism for steam engines whereby the admission and exhaust of the steam are properly controlled, to insure easy and positive working of the brake pump.

Railways and Their Accessories.

ROTARY WHEEL-GUARD FOR CARS.—F. S. HUTCHINGS, New York, N. Y. The invention relates to improvements in car fenders or guards, and more particularly to that type of fender in which there are employed rotary cylinders or drums which are positively rotated upon the movement of the car and serve to remove persons or obstructions from the track and prevent the car from passing over them.

ATTACHMENT FOR WOODEN RAILWAY-TIES.—C. H. BENNETT, Corning, N. Y. Mr. Bennett's improvement pertains to railway ties, his more particular purpose being to provide a type of covering therefor, serving the joint purpose of protecting the tie from the effects of moisture, insuring uniformity of distance between the rails and enabling the covering and also the rails to be secured firmly in position relatively to the ties.

STATION-INDICATOR. — H. C. WALLACE, Salt Lake City, Utah. The more particular objects of the improvements are to provide the display mechanism with means whereby it may be operated electrically by the car conductor or other trainman. The invention relates to station indicators of the general type shown and described in a former patent granted to Mr. Wallace.

CAR-FENDER.—H. M. LAMBERT, Portland, Ore. In operation should the bar in front of the roller strike an obstruction having its center of gravity elevated, the obstruction will be thrown on to the fender. Should the center of gravity be near the ground the front part of the fender would be elevated thus dropping its rear end toward the ground, thus bringing the spring arms into position to engage the obstruction after the roller has passed thereover. The present is an improvement over a patent formerly granted to Mr. Lambert.

Pertaining to Recreation.

SWING ATTACHMENT.—M. R. GRANT, Meridian, Miss. By this invention there is provided in connection with a seat of a lawn swing, a crib attachment which may be applied to and removed from the seat and is constructed with an intermediate or main section and end sections, jointed at one end to their respective ends of their immediate sections, and provided at their other or free ends with means for securing the attachment to the swing seat.

PUZZLE.—L. C. KOEHLER, Taylor, Pa., and W. M. BUTLER, New York, N. Y. The puzzle is interesting and will provide a test of one's ingenuity and resourcefulness. It relates to that class of game devices which comprise slides mounted upon a board, which slides must be moved from place to place and rearranged in the solution of the puzzle.

Pertaining to Vehicles.

BRAKE-OPERATING MECHANISM FOR MOTOR-VEHICLES.—P. KRAUSE, Babylon, N. Y. The invention relates more particularly to that type of mechanism illustrated in an application previously filed by Mr. Krause in which he disclosed means for operating a motor vehicle brake from adjacent either the front or the rear side of the vehicle and means for automatically breaking the ignition circuit for the engine of the vehicle upon the applying of the brake.

WHEEL.—G. M. BADGER, Quitman, Ga. In carrying out the invention a wheel body is employed, formed with a hub and a rim, and surrounding this rim and spaced apart therefrom is a tire yieldingly supported from the body by springs so it can operate with a cushion action. Plates support the springs and retain them in desired relation to the rim and tire. Means provide for permitting yielding of the tire in action, for preventing independent circular motion of tire and wheel body; for protecting the wheel body and tire from mud and the like; and preventing the hinge from striking on outer or inner tire in starting or backing.

DRAFT-EQUALIZER.—V. H. BORING, Sumner, Mo. The purpose here is to provide an equalizer, for draft animals hitched in pairs at each side of the line of draft respectively, which will enable the even distribution of draft strain upon each side of the line of draft, respectively, which will enable the even distribution of draft strain upon each pair of animals or impose proportionately less load strain upon a weaker team than the other pair has to pull.

VARIABLE-SPEED GEAR.—P. C. WILLIAMSON, Oakland, Cal. The invention relates to a gear for operatively connecting the motor and the drawing wheels of an automobile, or the propeller of a motor boat or the like, and comprises friction disks, driving and driven rollers movably engaging the disks and simultaneously operable so that the change in the speed of rotation of the driven rollers is a multiple of the change of speed of the driven disks, and in which the disks are operable to release the rollers.

Designs.

DESIGN FOR A DISH.—E. G. GARRISON. Newark, N. J. This ornamental design for a dish is circular in form. Above the base of the dish a wide and slightly slanting rim projects and from this there is a raised low bowl-shaped upper half, the whole comprising a graceful and well balanced article.

DESIGN FOR A BADGE.—J. W. GREEN, Santa Fe, New Mex. This ornamental design comprises a U. S. shield in the center of which is a deer's head with antlers spread across the upper part. In the center of this part amid a field of stars and between the antlers is shown a clock dial. In the deer's collar are the initial letters, B. P. O. E.

DESIGN FOR A BADGE.—E. J. KASSEL, Ballinger, Texas. The design represents a short length of tree trunk, the flat top being decorated by an axe and maul crossed, with a wedge in the center. On the body of the tree are initial letters W O W. The bottom of the badge is made up of an ornamental monogram.

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.