

RECENTLY PATENTED INVENTIONS.

Pertaining to Apparel.

NECKTIE-DISPLAY STAND.—W. A. SWANN, New York, N. Y. On this stand a partly tied or folded necktie may be supported so as to enable a customer to see how the tie would look when completely tied. The necktie may be supported in the holder without completely tying the same, and even if left in the holder a considerable length of time, it will not become permanently creased or wrinkled so as to destroy its market value.

Electrical Devices.

ELECTROLIER-SWITCH.—C. TOMSCHIE, New York, N. Y. The invention refers to electric switches such as used on chandeliers or electroliers for turning on the lights. The object is to produce a switch readily operated by a chain or similar means so as to have a step-by-step advancing movement, each position of the switch corresponding to a certain number of lighted lamps.

SEMAPHORE-CONTROLLER.—T. F. McANDREWS and J. E. BLEIBTREY, Waterford, N. Y. Among the important objects of this invention may be enumerated the grant of sufficient time for the motor to acquire a momentum before it takes on the full load, the increase of the speed of the rod in respect to the operating lever therefor, and the automatic control of the motor.

Of Interest to Farmers.

HEATER.—F. BUEHRING, Grand Junction, Colo. The aim of the inventor is to provide a device which can be easily carried about from place to place for heating the air around fruit trees or the like, thus obviating the danger of the latter being injured by frost; or can be used for creating a "smudge" as a protection against the rays of the sun.

SIEVE-HANGER.—A. P. TROXELL, Breckenridge, Ill. The improvement pertains to grain separators, and the object is to provide a new sieve hanger or adjuster, arranged to permit quick changing of the motion of the sieves, to allow the threshed material to pass slower or quicker over the sieves with a view to insure thorough cleaning of the materials.

CULTIVATOR.—A. C. LODWIG and O. NAUMANN, Oxnard, Cal. One purpose here is to afford the machine perfect control of the shovel blades, so that they may be adjusted laterally toward or from a row of plants and be raised from the ground and lowered into engagement therewith, and at the time the blades are shifted laterally, so guide the wheels that they will be caused to speedily travel in a track that corresponds with the lateral adjustment given to the shovel blades.

Of General Interest.

DISPLAY-STAND.—J. GULLONG, Holyoke, Mass. The improvement has in view a revoluble body having vertical peripheral strips or other equivalent means on which are adjustably secured radially-arranged channeled holders adapted to engage the articles on display on the top and bottom edges, and holders arranged at approximately right-angles to a diameter of the body and attached to the strips intermediate the radial holders, adapted to likewise engage such an article. Means provide for inserting and removing articles such as books and papers from the holder.

EYEGLASSES.—J. FRIEDLANDER, New York, N. Y. The invention relates to means for mounting the clips which hold the glasses in position on the nose, and more especially with eyeglasses which comprise levers attached to a fixed bow or bar. The object is to provide a construction in which the point of connection between the clips and the lever is substantially concealed behind the post.

PIPE-COUPLING.—G. W. MILLAR, St. Louis, Mo. The invention is particularly useful in connection with lead pipes to join the ends thereof without the use of a pipe or other joint. An object is to provide a connection by means of which the ends of the two lead pipes can be easily and quickly joined, and which is inexpensive to manufacture.

DEVELOPING-TANK.—J. G. LAVENDER, New York, N. Y. The object of this inventor is to produce a tank which will greatly facilitate the developing of the plates, especially in respect to the manner in which they are held in position in the tank, and a construction which will facilitate the pouring of the developing fluid into the tank and at the same time enable the light to be excluded.

VALVE.—G. H. BENTON, Metuchen, N. J. The invention refers to globe valves, and its object is to provide a valve, arranged to permit convenient and quick renewal of the valve disk without discarding the other parts, to allow regrinding in a simple and effective manner and to permit the packing from coming out of the stuffing box.

PRINTING-FRAME.—C. Dow, New York, N. Y. The invention relates to frames, such as are used by photographers in making prints from plates or negatives. An object is to produce a frame having an improved construction which will greatly facilitate the operation of removing the back of the frame when the exposure of the print is finished.

FIRE-ESCAPE.—E. MILLER, Mount Sterling, Ill. In substance the invention consists of a frame in which a drum is mounted to

rotate, there being a gear wheel secured to the drum, which meshes with a gear wheel secured to a shaft journaled in the frame, there being governor members secured to the shaft. A cable is wound on the drum, and a spring is secured to the drum to press the cable into place when being wound on the drum. A crank is also provided to rotate the drum to wind the cable.

RECEPTACLE.—O. J. WEEKS, New York, N. Y. The invention relates to a receptacle for ice-cream and the like, fashioned from paper, card-board, or other similar material and formed from blanks folded and glued, cemented, or otherwise secured together, so that at the edges or seams the walls are of double thickness, and so that at weak points the receptacle has reinforcing flaps, tabs, or extensions.

HORSESHOE.—M. T. KEENAN, New York, N. Y. The invention here is to produce a shoe which is provided with a cushion or resilient tread which normally projects below the lower edge of the body of the shoe so as to cushion the impact of the foot upon the ground, and further, to provide a construction which will enable the cushion to be readily removed and replaced when worn.

BOX.—G. E. HOSCH, New York, N. Y. The more particular purpose of this case is to produce a box which is automatically locked when a bottle or other article is placed in it, so as to maintain the article thus deposited inaccessible to persons not authorized to open it, the box being automatically held open—that is, locked in its open position—when the lid is raised to a predetermined position and the box is empty.

POSTING-POST.—F. H. CRUMP, Los Angeles, Cal. In this patent the intention of the inventor is to provide a device for interposition in a binder bolt, to permit the obtaining of a perfectly flat surface for posting, the insertion or removal of a sheet at pleasure, and the extending of the posting posts to any desired height to fit any binder.

Hardware.

WRENCH.—J. G. PATERSON, Los Angeles, Cal. An object of the invention is to provide a wedge adjustment for taking up the lost motion between a nut and the jaws of the wrench, thereby precluding the possibility of the jaws slipping upon the nut so as to round the corners between the faces of the nut.

PLUG-COCK.—J. G. PATERSON, Los Angeles, Cal. The invention has in view means to withdraw the plug from its seat in opening the cock, thus avoiding friction and consequent cutting and abrasion of the plug and its seat. When the cock is closed, the plug is forced to its seat tighter than would otherwise be practical in the conventional plug cock.

BUTT-HOOK.—E. W. SMITH, Myrtle, Ore. One object of the inventor is to provide a device in which there is no possibility of the hook being disengaged from the eye. To this end he provides a locking member on the hook which locks the eye so that it cannot be withdrawn or disengaged from the hook itself unless the locking member is moved. At the same time the locking member can be easily adjusted to permit the withdrawal of the cable.

SCREW.—O. REHSE, Germantown, Cal. The invention refers to screws which have the threads discontinuous, so that cutting faces are provided transversely of the threads, which serve to bore or drill an opening for the screw, and at the same time to tap or thread the opening. The screw can be operated without difficulty, and obviates the danger of splitting the wood.

CHECKREIN-HOLDER.—R. B. KING, Port Norfolk, Va. One of the purposes of this invention is to provide a device in which the checking and unchecking may be done from the seat of the vehicle, and it is accomplished through the medium of a movable roller, which is manipulated by means of the ordinary driving rein.

WRENCH.—L. R. BLACKMORE, Arlington, N. J. The wrench frame is fitted on the end of the wrench bar, and is arranged at its upper end below the head end of the bar, the latter thus having an extension below the wrench frame. The jaw is carried and movable on such extension of the bar, and has means to bear on the frame and bar. The jaw has side plates along opposite sides of the extension of the bar so they may bear at their lower edges against the upper edge of the wrench frame, the jaw sliding transversely across the head end of the bar.

COMBINED CUSPIDOR AND RUBBISH-RECEPTACLE.—N. A. PENNOYER, Kenosha, Wis. The aim of the invention is to provide details of construction for a combined cuspidor and rubbish receptacle, which enables the sanitary collection of sputum and rubbish separately, in public buildings, railway cars, or in public toilet-rooms, where doors or partitions of such places may be utilized for supporting the improvement conveniently accessible for general use.

Heating and Lighting.

GRATE.—R. D. GRANGER, New York, N. Y. In accordance with his invention Mr. Granger constructs the grate with longitudinal angular ribs at opposite sides, the ribs being elevated above the top of the grate, with one of the ribs arranged normal to the plane of the

cradle and the other inclining with respect thereto, and the side flanges of the grate-bars slotted closely adjacent to the ends to receive and fit the ribs.

GUARD FOR LAMP-BULBS.—G. L. BRISBIN, Buffalo, N. Y. An object here is to produce a light framework which can be readily constructed and applied without making attachments to the metal parts of the lamp. A further object is to shape the parts in such a way as to prevent the casting of a shadow when the light passes from the end of the bulb, in other words, in ceiling lights.

Household Utensils.

FLY-PAPER HOLDER.—R. E. FEE, Marion, Ind. The purpose in this instance is to provide a holder constructed in two sections slidably connected together, with jaws for clamping the edge of the paper pivoted to the sections, and means normally tending to separate the sections, whereby the paper will be held under tension. The invention is an improvement on a former patent granted to Mr. Fee.

FOLDING TABLE.—M. A. DREES, Peshtigo, Wis. The invention pertains to a table wherein the legs or supports are folded inwardly upon the folding of the table and it has particular reference to a table wherein the legs are linked together in such a manner that the operation of folding automatically brings the supports into a compact position, embraced by the leaves of the table.

BALL-COCK.—A. C. GORDON, Glens Falls, N. Y. The improved device is for use for flush tanks, and the object of the inventor is to provide a device requiring no packing, easily installed, and difficult to become deranged or disordered, and which will further fill the tank quickly without splashing, and operate to instantly cut off and turn on the water without vibration or noise.

DRIER.—D'ARCY B. PLUNKETT, New York, N. Y. More particularly the invention refers to driers in which the rack serves to support the articles to be dried and is movable into or out of a closed, heated chamber. The object is to so construct the drier that the tubes may be kept cool and serve for ventilating the interior of the chamber, but at the same time the front end of the tubes will be covered so that they cannot be seen, and dust and foreign bodies cannot readily clog therein.

Machines and Mechanical Devices.

VALVE.—W. E. WERD, Roundup, Mont. In this case the valve is of use in dispensing beverages, or as a means for controlling the supply of water for irrigation purposes. The object is to provide an organization which is simple and durable in construction, readily controlled, and one which automatically prevents leakage.

PRINTING-MACHINE.—R. G. PRENDES, Habana, Cuba. An object of the invention is to provide a machine which has an endless belt to which the characters are secured, means being provided to ink said characters, and means being provided to move the belt in either direction by a step-by-step movement, and also to move the belt rapidly so that a number of characters will pass the opening in the casing quickly in succession.

PRESSURE-REDUCING VALVE.—F. NICOLA, New York, N. Y. The invention pertains to valves adapted for reducing the pressure of a motive agent as it is utilized for useful effect, and more particularly to reduce the pressure of water flowing from high-pressure service conduits, to hose or the like for extinguishing fires or for other purposes that require a controlled uniform pressure of fluid or liquid where used.

WOVEN FIBRE FABRIC.—W. A. MINIFIE, Little Falls, N. J. The object here is to provide a woven fibre fabric in which pile tufts are securely held in place and a body weave is provided to insure long life of the fabric when in use. To attain this, use is made of a stuffer chain, upper and lower filling shots, pile tufts held on the upper filling shots and pairs of binding threads for the filling shots, the binding threads in each pair passing simultaneously around one set of filling shots and singly around the other filling shots.

WATER-MOTOR.—W. J. WHITE, Oyster Bay, N. Y. An object of the invention is to provide a construction in which the lever arm of a float operating upon a sweep will be constant so that the velocity of the sweep will be substantially uniform. Further, to provide means for counterweighting the sweep when in a horizontal or in an inclined position, and which will relieve the sweep of the counterweight when the sweep is in a substantially vertical position.

BOOK-SEWING MACHINE.—C. J. RICH, Norwood, Mass. The object here is to provide means for looping the tape intermediate the last signature of one book and the first signature of the next succeeding book, so that after the signatures are all sewed and the books separated, there will remain a free end of tape at each side of each book, which may be used in attaching the body of the book to the cover or to the binding.

DESICCATING APPARATUS.—O. PAUCKSCH, Berlin, Germany. The invention relates to improvements in machines for drying potatoes, cereals, and all other materials of the kind and in particular to that class of machines which are provided with a box, casing, or the

like underneath two heated drums, said box having the object to prevent the steam evolved by the action of the hot drums on the moist material passed between them from escaping, and to draw off this steam, so that it will not come into contact with the dried material.

COUPON-SAFE.—C. F. JONES, New York, N. Y. The invention refers to safes, the more particular purpose being the provision of a safe containing a supply of coupons connected together in the form of a strip, and further containing means controllable by the entrance of coins for feeding out the coupons.

LOOM.—W. J. GARLICK, Paterson, N. J. The purpose in this instance is to provide a loom having a plurality of shuttles carrying different colored threads, and arranged to permit moving any one of the shuttles into active position and working it for one or any desired number of picks according to a predetermined design.

DRAFT MECHANISM.—C. E. ESTABROOK, Springport, Ind. The object of the inventor is to produce a mechanism which will enable several horses or other draft animals to be hitched in such a way that the work will be equally distributed among them. In other words, the lever arm from the point of application of the pulling force, will be adjustable to suit the power of the animal.

LUBRICATING-WASHER.—C. E. PALMER, Spokane, Wash. The invention is an improvement in lubricating washers. The washers are each supplied with a lubricant in the form of a paste-like substance, such as tallow or other suitable material, and in this manner the parts that are connected together are supplied with grease that will gradually become liquid, and lubricate the wearing surfaces between the connected parts. The washer is especially adapted for use in sprocket chains.

Musical Devices.

UNIVERSAL PNEUMATIC-ACTION.—H. MEYER, New York, N. Y. In this case the improvement relates to self-playing pianos and like musical instruments, the object being to provide a universal pneumatic action capable of use in any make of piano, and arranged to permit convenient and accurate connection between the pneumatics and the individual hammer actions of the piano.

REWINDING MECHANISM.—H. MEYER, New York, N. Y. This mechanism is controlled from the time lever, and arranged to rewind the note sheet without stopping the motor, and to automatically apply a friction brake as soon as the note sheet is rewound, to hold the note sheet under tension during the next following winding up and while passing over the tracker board for actuating the instrument.

PIANO FALL-BOARD.—J. R. A. LANG, Mount Vernon, N. Y. The inventor provides a key board cover rabbeted at opposite longitudinal edges, with the rabbeted portions on opposite faces, and hinge to one edge a front fall foldable in the adjacent rabbeted portion of the key board when the fall board is raised, and hinge at the opposite edge a backfall having a foot movable into the other rabbeted portion of the key board cover when the fall board is lowered.

DRUM AND CYMBAL BEATER.—E. M. ANDERSON, Victoria, British Columbia, Canada. More particularly the invention relates to drum and cymbal beaters adapted to be actuated by the foot of the operator. An object is to provide a combined drum and cymbal beater, adapted to be operated by the pressure of the foot, and having means for securely holding a drum in position, so that positive blows may be struck upon the drum and the cymbal carried by the drum.

Prime Movers and Their Accessories.

STEAM-TURBINE.—A. BONOM, New York, N. Y. The invention relates to steam turbines and constitutes an improvement on the turbine formerly patented by Mr. Bonom, in which the increase in volume of the steam space can be readily proportioned. The object of the present invention is to improve the general construction of this type so as to facilitate its manufacture. A further object is to provide an arrangement for admitting steam and for controlling the development of power. The turbine also presents improvements in the form of the buckets and guide vanes.

Railways and Their Accessories.

RAILWAY-GATE.—R. SPURLOCK, Valley View, Ky. In this invention the gate is adapted to be operated automatically by the passage of a train. One of the objects is to provide an improved means for automatically operating the gate pneumatically by the passage of a car or train along a given stretch of track.

Pertaining to Vehicles.

SWIVEL-COUPPLING.—B. HENLEY, Edinburg, Pa. In the present patent the invention is an improvement in swivel couplings. The present invention is an improvement over Letters Patent of two numbers, formerly granted to Mr. Henley for a swivel or pivot coupling adapted to connect two parts that require to rotate upon each other.

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.