

RECENTLY PATENTED INVENTIONS.
Of Interest to Farmers.

WHEAT-SHOCKER.—G. R. KELTNER, Covington, Oklahoma Ter. This shocker is adapted for attachment to a harvesting-machine, taking the place of the bundle-carrier, and so located with reference to the harvester as to receive bundles from the binding table. As it receives the bundles they are fed in standing position, butt downward, upon a platform and are packed in curved guard-arms and wherein the platform is slid from beneath the packed bundles, which are received on horizontal fingers; which being automatically dropped the bundles slide to the ground and platform returns to normal position to receive other bundles.

GRAIN-CONVEYER.—J. W. SCHAUER, Kalispell, Mont. Mr. Schauer's invention has for its aim the provision of a simple and efficient grain-conveyer for use in connection with threshing-machines, and especially in connection with those employing a band-cutter and feeder. A great saving of manual labor is effected in supplying bundles to the threshing-machine.

DRAFT-EQUALIZER.—H. C. SCOTT, Ritzville, Wash. The object of the invention is to provide an equalizer arranged to distribute the load to be hauled equally to the animals in the team, to reduce the friction of the working parts to a minimum and to provide a comparatively short but very strong and durable equalizer not liable to get out of order nor cause entanglement to the animals when not in use.

CORN-SNAPPER AND FEED-CUTTER.—F. T. MARTIN, Winchester, Ky. In this instance the invention has for its object the provision of a machine adapted to take the stalks of corn as cut from the field with the fodder and ears still connected to the stalks and to snap or tear off the ears from the stalks and in the same operation cut the stalks and blades into short lengths for rough feed.

Of General Interest.

DUST-CAP AND SOLAR EYEPICCE FOR TELESCOPES.—F. B. WARNER, New York, N. Y.—The invention has reference to improvements in combined dust-caps and solar eyepieces for telescopes, the object being to provide a device of this character that may be manufactured at small cost. The cap is employed for protecting the eye-lens from dust when the telescope is not in use in the usual manner, and the cap is to be used on the telescope when making observations of the sun.

GOODS-HANDLER.—W. R. CALVERT, Louisville, Ky. This invention is an improvement in goods-handlers. By means of a lug attached to an enlargement at the lower end of a rod, the jaws may be opened and the article grasped therebetween, after which the lug is released, a spring maintaining a firm grip of the jaws upon the article. In practice this lug may be manipulated by the thumb, while the forefinger would engage another lug to prevent rotation of the tube with respect to the hand.

PROPELLER ATTACHMENT FOR BOATS.—A. E. HAUCK, New York, N. Y. Mr. Hauck's invention is an improvement in that class of propellers which are adapted to be detachably connected with boats and suspended in the water at the stern. A rectangular metal platform or frame is adapted to be placed and supported upon the rear or stern portion of a boat. A frame carries the propelling mechanism proper and has hinged connection with the platform, but provided with means for securing it in vertical position as required for propulsion.

FILE AND FASTENER.—C. R. SMEAD, St. Paul, Minn. The object of the inventor is to securely fasten the file-wrapper, avoiding the necessity of tapes or elastic bands, permitting full expansion of the file, and at the same time permitting the wrapper to be readily opened and closed. Also, to construct a fastening device particularly useful in connection with a file of this sort and capable of securely holding the flaps of the file engaged, at same time permitting the fastening to be readily manipulated.

DOOR-FASTENING.—J. ROONEY, New York, N. Y. This invention relates particularly to improvements in doors for water-tight compartments of marine vessels, although it may be used for other purposes, such as in caissons or the like, the object being to provide a novel form of locking device to secure the door closed in a water and air-tight condition.

BOTTLE-CLOSURE.—J. PORTER and F. C. MAYER, Frostburg, Md. By this invention it is sought to provide means for holding the bottle-closure in the neck of the bottle, at the ends of which are provided means for detachable engagement with the bottle-neck, so the fastening devices may be applied to and removed from the neck of the bottle.

PROPELLER.—F. C. GORDON, Asotin, Wash. In the present patent the invention has reference to a propeller in which the blades are reversible, so that the shaft turning continuously in one direction may be made to turn the vessel ahead or astern to exercise no propelling action thereon.

DRAFTING INSTRUMENT.—A. A. ALLEN, Ortonville, Minn. The object of the invention is to provide a new and improved drafting instrument, more especially designed for the use of tanners, plumbers, and other mechanics in laying out the blanks for forming elbows,

T's, and other articles of sheet metal and like material. It is a division of the application for Letters Patent of the United States formerly filed by Mr. Allen.

CONDENSER FOR TOBACCO-PIPES.—C. G. BUSCHOW, Westfield, N. Y. The object in this improvement is to produce a device whereby the injurious effects of nicotine will be materially lessened, if not entirely eliminated, and also to produce a pipe provided with improvements which can be kept in a sanitary condition, and one whereby a cool and delightful smoke can be had without the disagreeable burning and swelling sensation so common with the use of ordinary pipes, and one in which flavor of tobacco is not destroyed.

TWINE-HOLDER AND TAKE-UP.—F. W. COPCUTT, New York, N. Y. The aim of the invention is to provide a twine holder and take-up which can be readily hung up in any desired place, and is arranged to retract a certain amount of the twine after being released by the operator to remove the end of the twine from the counter. It relates to holders and take-ups such as shown and described in Letters Patent of the United States formerly granted to Mr. Copcutt.

RAIN-ALARM.—V. A. DEVER, Philadelphia, Pa. The invention relates to automatic alarm devices; and the object of the invention is to produce a device of this kind which is especially adapted to give an alarm if it should begin to rain. It is intended to be most useful for the purpose of preventing damage to curtains or furniture in the neighborhood of open windows in residences or apartments.

Hardware.

GAGE.—E. H. BATEMAN, Balduf, Canada. Special means are employed by this inventor both for supporting a knife for cutting laces or strips from a body of leather or other material and for maintaining the knife or blade in truly operative position during the cutting operations, special means being also used for adjusting the blade or knife within the first-named special means as the cutting edge thereof becomes worn down from use, said second-named special means also serving to hold the blade or knife to its work.

TRIPLE-GAGE, BUTT-GAGE, AND TOOL HOLDER.—P. GYSSLER, Cleveland, Ohio. The principal object of the invention is to provide a convenient holder with means for holding gages, squares, paring-chisels, scribers, compasses, keyhole-saws, and the like in a convenient and simple manner and to provide means for affording adjustments for certain of these parts. It relates to a triple-gage, butt-gage, and tool holder for implements used in wood-working and carpentry.

TOOL FOR CUTTING AND FITTING BOILER-TUBES.—P. W. CHAMBERLAIN and E. G. CHAMBERLAIN, Greytown, Nicaragua. The invention relates to that class of tools which are used for expanding the ends of boiler-tubes into the heads of boilers so as to tightly and firmly seat them therein. It consists in means whereby the tool may be so gaged or adjusted and be taken out from time to time and reinserted, so as to accurately come again into the same plane of action or any modification of the position necessary to correct errors or enable it to work in any desired plane.

Household Utilities.

CURTAIN-FIXTURE.—P. F. MCCARTY, Washington, D. C. In the operation of the invention a bracket may be engaged by its hook with an outwardly-projecting bead of a supporting-frame and its tongue be forced into engagement with any of the notches, the spring afforded by lateral deflection tending to bind the tongue securely in manner as to prevent displacement of the bracket without interfering with its application to and removal from the supporting sections, as may be desired.

Machines and Mechanical Devices.

DRAWING-MACHINE FOR COKE-OVENS.—R. D. MARTIN, Las Esperanzas, Coahuila, Mexico. The object of the present invention is to provide a machine arranged to allow convenient manipulation of the machine through the small door of the coke-oven, and to permit discharging the coke from the oven underneath the machine without interference with the working parts of the machine. The invention relates to drawing-machines, such as shown and described in the Letters Patent of the United States, formerly granted to Mr. Martin.

GOVERNOR FOR SPRING-MOTORS.—W. B. KIRBY, Wellington, Texas. When the motor is running, motion is transmitted to a shaft and through a pinion and gear-wheel to a spindle, and motion of said spindle to toggle-levers through bevel-pinions, so as to resolve the said levers in a direction opposite to that of the spindle. Motion becoming excessive and levers are thrown out by centrifugal force, the brake-shoes will be thrown into engagement with the collar on the spindle, and the shoes revolving in a direction opposite to that of the spindle the speed of the motor will be quickly checked.

TENSION DEVICE FOR WARP-BEAMS.—G. KELLER, New York, N. Y. The object of the present invention is to provide a device for warp-beams or warp-carrying spools arranged to permit minute and convenient regulation for producing the desired tension on the warp, according to the nature thereof, and to provide

a long range of movement of the beam. It relates to devices—such, for instance, as shown and described in former Letters Patent of the United States.

REGULATOR OR GOVERNOR.—J. W. BOYLE, Unity Station, Pa. The invention relates especially to means for regulating or governing the speed of movement of machinery. It is useful in connection with all classes of machinery, particularly for elevators, inclined railways, oil or gas well machinery, vehicles, and the like. Fluid of any sort may be employed in connection with the apparatus. Oil is preferable; but an elastic fluid, such as air, may be used, if desired.

CLUTCH.—N. E. SWANSON, York, Neb. This invention has reference to a friction-clutch of that class in which a ring is expanded or contracted against a shell or drum to fasten the two members together; and it consists in various improvements in the construction and assembly of the device, among which may be enumerated the arrangement of the shell with the band and its carrier and the device for acting on the band to expand it.

STAVE-PRESS.—J. B. SCHOFIELD, Tomahawk, Wis. In this case the improvement refers to a press for use in bundling staves and for similar purposes. The principal objects are to provide means whereby top and bottom clamps can be forced toward each other simultaneously and at the same time preserve the curves of the staves and prevent flattening them out.

MACHINE FOR COMPUTING INTEREST.—C. A. MARBLE, Ottumwa, Iowa. The principal feature is a series of rotatable members, each comprising nine rollers, arranged parallel around a common axis and each inscribed on its periphery with numbers indicating different amounts of interest on given sum for a given time. They have a planetary motion—that is, each is rotatable on its own axis and bodily around the common central axis. They are designated "multiple cylinders." Means for rotating or adjusting, locking, and releasing these members or cylinders as a whole and their individual component rollers further embody special features.

FABRIC-FOLDING MACHINE.—M. ISAACS and M. PELLAR, New York, N. Y. It is the usual practice preparatory to cutting handkerchiefs or garments to place the goods in several layers on a cutting-table, and as the table is considerably long much time is consumed by a person walking back and forth to manually form the layers and to keep the layers straight or even one upon the other. The object is to provide a machine of simple construction by means of which the several layers of fabric may be quickly and evenly placed.

PLANING-MACHINE.—G. A. ENSIGN, Defiance, Ohio. Mr. Ensign's invention relates to wood-working machinery, and more particularly to planing apparatus such as shown and described in the Letters Patent of the United States formerly granted to him. The object of the invention is to provide a new and improved planing-machine for planing fannies cut from the solid wood and without danger of splitting or roughing the inner and outer peripheral surfaces.

Prime Movers and Their Accessories.

MOTOR.—I. J. PADDOCK, Percival, Iowa. The invention comprises an endless chain belt, which belt has articulated and folding wings arranged within a tapering inclosing casing, which casing incloses one portion of the belt and its hinged wings and has an inlet at its small end for the steam or other fluid under pressure, so that as the pressure of this fluid comes upon the wings they open and bear in the travel of the belt against the casing and by gradually unfolding expose their surfaces to the pressure of the fluid.

Railways and Their Accessories.

CROSS-TIE CUTTER.—R. S. WRIGHT, Nelson, Ark. This invention has reference to improvements in machines for cutting out or shaping railway cross ties from the rough timber, the object being the provision of a machine of this character by means of which the work may be rapidly done and making up the ties of uniform size.

JOURNAL-LUBRICATOR.—C. H. TURNER, New York, N. Y. This invention relates to improvements in devices for applying lubricant to car-wheel journals, the object being to provide a device of this character that may be readily placed in a journal-box of the usual construction. In operation the lubricant will be taken up from the lower portion of the journal-box and applied by the rollers of the journal.

Pertaining to Recreation.

TOY FISH-TANK.—E. T. SULZER, New York, N. Y. This amusement apparatus comprises a tank for receiving water and artificial fish to move about in the tank. The fish are provided with pieces of iron, so that they may be magnetized for catching them on hooks formed of magnets and for providing for their motion. The inventor prefers to secure this motion by means of magnets located adjacent to the tank and moved in the vicinity thereof out of sight.

MERRY-GO-ROUND.—G. B. MCKINNEY, Barry, Ill. The aim of this invention is to provide novel details of construction for a

machine which are extremely simple and durable, adapt the same for the simultaneous rotation of one or more individuals, and enable those mounted upon the machine to communicate rotary motion thereto by hand and foot power in a convenient manner, thus affording amusement and healthful exercise to the riders.

Pertaining to Vehicles.

BRAKE MECHANISM FOR VEHICLES.—G. D. BUCHANAN, Saratoga, Wyo. The mechanism includes means for applying brakes to front wheels of a vehicle in addition to brake mechanism employed with the hind wheels thereof, detachable supplementary operating mechanism being provided, adapting the invention to be used with or without the wagon-body. It may be applied to ordinary vehicles of the class for which it is intended and adapted when thus attached to be connected with rear brake mechanism of the vehicle to be operated simultaneously therewith.

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