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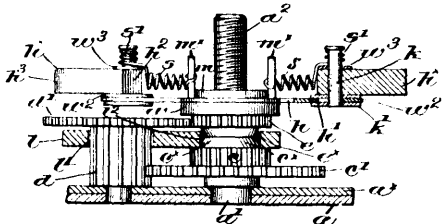
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INVENTIONS PATENTED.

NOTE.—Patents are granted for 18 years. The term of years for which the fee has been paid, is given after the date of the patent.

No. 56,850. Bicycle Bell. (*Cloche de bicycles.*)



56850

Norman Taylor Mills, East Hampton, Connecticut, U.S.A., 3rd August, 1897; 6 years. (Filed 22nd June, 1896.)

Claim.—1st. In a bell of the class described, a central post, a hammer-carrier rotatable thereon and having an attached pinion, a locking plate to at times directly engage and hold the pinion, a vibratable actuator having a segmental gear, and gearing intermediate it and the pinion, the actuator on returning to normal position engaging and moving the locking plate into operative position, substantially as described. 2nd. In a bell of the class described, a central post, a hammer-carrier rotatable thereon and having an attached pinion provided with a bevelled hub, a locking device to at times engage and hold the bevelled hub, a vibratable actuator, and gearing between it and the pinion to rotate latter, the actuator on its return to normal position engaging and moving the locking device into operative position, substantially as described. 3rd. The base, an upright post erected thereon, a hammer-carrier rotatable thereon and having an attached pinion, a vibratable actuator having a segmental gear, a pinion in engagement therewith and loose on the post, a locking device to engage and lock said pinions when the actuator is at rest, and connecting gearing between said pinions, substantially as described. 4th. The base, an upright post thereon, a hammer-carrier rotatable thereon and having an attached pinion provided with a downwardly-extended hub, a vibratable actuator having a segmental gear, a pinion in mesh therewith loose on the post and having an upwardly-extended hub, a movable locking plate to at times engage the hubs of and restrain the pinions from rotation, and gearing intermediate the pinions, said locking plate being moved into operative position by the actuator when in normal position, substantially as described. 5th. In a bell of the class

described, a rotatable hammer-carrier, actuating mechanism to rotate it, a locking plate to normally engage and prevent rattling of said mechanism, and means to release the plate when the bell is rung, substantially as described. 6th. A rotatable hammer-carrier having an upturned lug, and a hole at one end, a headed stud extended loosely through said hole and the hammer, a substantially triangular hammer having a convex base, and a spring secured to the lug and interposed between it and the hammer to bear upon the convex base of and normally press the hammer and stud outwardly and maintain the hammer apex extended radially, substantially as described. 7th. A rotatable hammer-carrier, a pinion having its hub extended therethrough, a retaining ring on the hub above the carrier and provided with an upturned lug, a hammer pivotally mounted near the end of the hammer-carrier, and a hammer spring connected at one end to said lug and interposed between it and the hammer, substantially as described. 8th. A rotatable hammer-carrier, a hammer having a convex base and outwardly converging sides mounted on said carrier and having a radial and a partially rotative movement thereon, and a controlling spring held at its inner end on the hammer-carrier, and bearing upon but unconnected with the convex inner side of the hammer to retain it yielding in normal position, substantially as described. 9th. A rotatable hammer-carrier, a triangular hammer having a convex base mounted to move radially and rotatively thereon, a headed stud extended loosely through the hammer-carrier and through the hammer near its convex base, and a controlling spring for the hammer adapted to bear upon the convex base substantially at its centre to return it to normal position after rotative movement upon the stud, substantially as described. 10th. In a bell of the class described, a base having an integral loop struck on its inner side, a rotatable hammer-carrier and its hammer, an actuator manually moved in one direction, a spring, one end of which is attached thereto to move it in the opposite direction, the other end of said spring being attached to the loop of the base, and gearing intermediate the hammer-carrier and actuator, substantially as described. 11th. A rotatable triangular hammer, a headed stud extended through said hole and the hammer, and a spring to normally hold the hammer upon the hammer-carrier and also to maintain the hammer pressed outwardly, substantially as described. 12th. In a bicycle bell, a base, an adjusting screw rotatably mounted therein, an attaching clip inturned at its inner ends and perforated, and an internally threaded block secured to the clip within one of its inturned ends to engage the screw, whereby when the clip is bent to cause its ends to overlap, engagement and rotation of the adjusting screw will draw the loop of the clip into the base, substantially as described.

No. 56,851. Sun Shade for Bicycles.

(*Garde-soleil pour bicycles.*)

Paula von Meyern, Halberstadt, Prussia, Germany, 3rd August, 1897; 6 years. (Filed 22nd March, 1897.)

Claim.—1st. A sunshade for cyclists in which a closable fan *a* is carried by the handle or handle-bar of the bicycle or other velocipede by means of a rod *d*, *d*¹, advantageously adjustable in a longitudinal direction, constructed and arranged substantially as hereinbefore described. 2nd. In a sunshade for cyclists in which a closable fan *a* is carried by the handle or handle-bar of the bicycle or other velocipede by means of a rod *d*, *d*¹, advantageously adjustable in a longitudinal direction, the binding together of the two stiff rods *a*¹, *a*², of the fan by means of cords *n* connected with the ring or sleeve *p* near the lower end of the rod parts *d* or *d*¹, or to a lever *u* or cord *n*¹ by the lowering of either of which the fan can be completely or partly closed, constructed and arranged substantially as hereinbefore described. 3rd. In a sunshade for cyclists in which