

995,986.

Patented June 20, 1911.

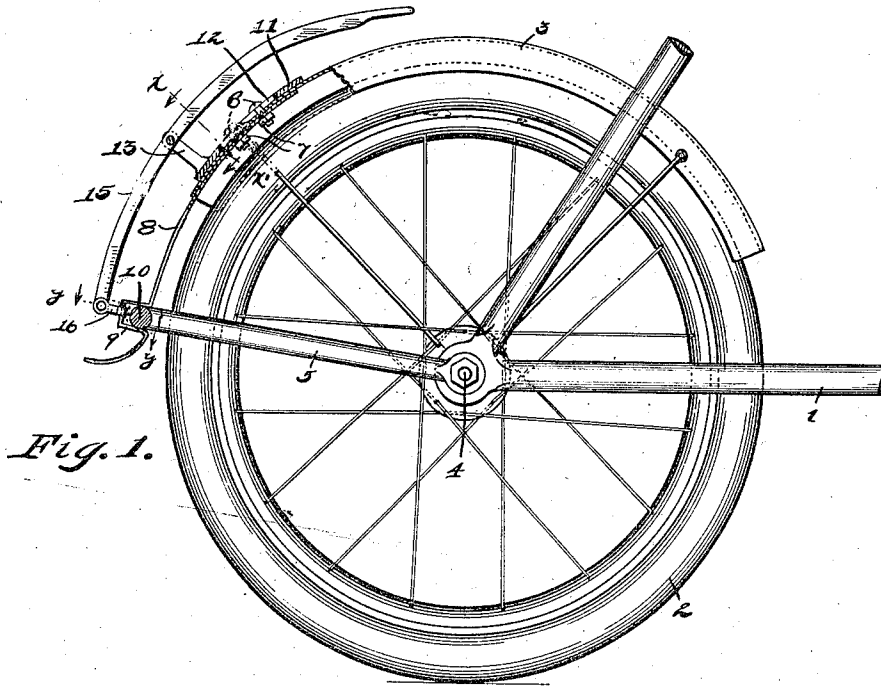


Fig. 1.

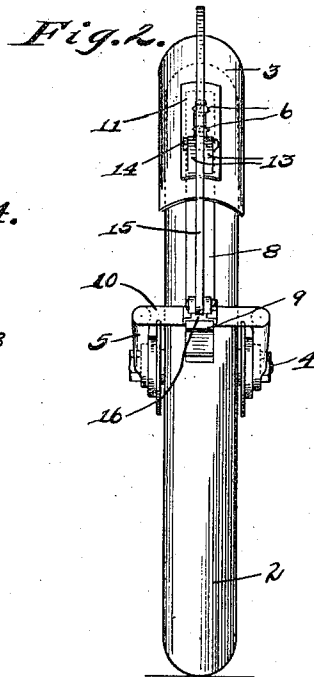


Fig. 2.

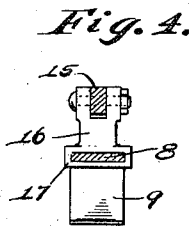


Fig. 4.

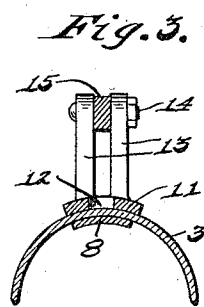


Fig. 5.

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UNITED STATES PATENT OFFICE.

JOHN HOWARTH RAPP, OF CHICAGO, ILLINOIS.

RELEASE FOR CYCLE-STANDS.

995,986.

Specification of Letters Patent.

Patented June 20, 1911.

Application filed June 23, 1910. Serial No. 568,477.

To all whom it may concern:

Be it known that I, JOHN H. RAPP, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented a certain new and Improved Release for Cycle-Stands, of which the following is a specification.

My invention relates to cycle stands and more specifically to means for operating the supporting keepers therefor.

The object of my invention is the provision of a cycle stand release as mentioned whereby the stand-supporting keeper may be readily and quickly operated to release the stand held in inoperative position thereby.

A further object of my invention is the provision of a stand release as mentioned which will be of simple and economical construction and efficient in operation.

Other objects will appear hereinafter.

With these objects in view my invention consists in a release for cycle stands characterized as above mentioned and in certain details of construction and arrangement of parts all as will be hereinafter fully described and more particularly pointed out in the appended claims.

My invention will be more readily understood by reference to the accompanying drawing forming a part of this specification, and in which,

Figure 1 is a fragmentary side elevation of a cycle and a stand arranged thereon to which is applied a releasing device embodying the preferred form of my invention, Fig. 2 is a rear elevation thereof, and Figs. 3 and 4 are enlarged sections on lines $x-x$ and $y-y$ respectively of Fig. 1.

Referring now to the drawing 1 indicates the frame of a motor or other cycle, and 2 the rear wheel thereof which is rotatably mounted in the frame 1.

3 indicates the mud guard which is rigidly supported from the axle 4 in the usual manner.

Pivoted at its upper extremities to the axle 4 is a U-shaped cycle stand 5 which may be of any desired form or design. Said stand is adapted to be dropped to substantially vertical position, in which position the lower end thereof is adapted to contact the ground to serve to support the cycle in upright position. Attached to the rear end of the mud guard 3 by means of bolts 6 and nuts 7 is a rearwardly and downwardly ex-

tending spring keeper 8 which is formed with a loop 9 adapted to engage the rearward or outer bar portion 10 of the stand 5 to support the latter in elevated or inoperative position. This, however, is ordinary construction and at the present time, with this construction, in order to effect the release of the stand it is necessary to engage the lower end of the keeper 8 and to spring the same outwardly. Such springing is done usually by grasping the lower end of the spring by the hand or by placing the toe of the shoe thereunder and forcing the same outwardly in crowbar fashion. The portion of the keeper so engaged is usually covered with mud so that when engaged as above mentioned, the hand or shoe is soiled thereby. It is, therefore, the object of my invention to provide means for operating the keeper 8 which will avoid the necessity of engaging the same.

Arranged upon the upper side of the mud guard adjacent the rearward end thereof is a plate 11 of a form corresponding to that of the mud guard, said plate being secured in position upon the latter by the bolts 6 and nuts 7. Said bolts engage an elongated longitudinally extending slot 12 provided substantially centrally in said plate and whereby longitudinal adjustment of said plate upon the mud guard is evidently permitted. At the rearward extremity of said plate is formed a pair of spaced upwardly extending ears 13. Pivoted at 14 intermediate its extremities between said ears is a lever 15. The rearward extremity of said lever is connected to the free end of the keeper 8 by means of a link 16, the outer bifurcated end of the latter being pivotally connected to said lever, the inner end thereof being formed with a loop 17 embracing the portion 9 of the keeper 8. Said loop 17 is of such dimensions that, when assembling the device or attaching the same to a mud guard, said loop may be slipped over the lower extremity of the keeper to a position engaging the loop thereof. With this arrangement it will be seen that in order to effect releasing movement of the keeper it is only required to depress the forward end of the lever 15. Said end of said lever being positioned above the mud guard is protected from bespattering by mud or dirt and hence will remain in a clean condition so that if the same is depressed by the hand the latter will not be soiled thereby. Should said lever become

soiled it may be operated by the foot in which event the same may be engaged by the sole of the shoe.

This device it will be observed may be readily attached to any cycle mud guard already in use and, because of the provision of the elongated slot 12 therein, may be adjusted to position the same for coöperation with stand keepers of various lengths.

While I have shown what I deem to be the preferred form of my device I do not wish to be limited thereto as there might be various changes made in the details of construction and arrangement of parts described without departing from the spirit of the invention comprehended within the scope of the appended claims.

Having described my invention what I claim as new and desire to secure by Letters Patent is:

1. The combination of a cycle, a mud guard therefor arranged adjacent the upper side thereof, a pivotally supported cycle stand, and a spring keeper having one end secured to said mud guard by means of bolts passing through said guard, the free end of said keeper being adapted to engage said stand to hold the same in elevated or inoperative position, said keeper being adapted when the free end thereof is swung outwardly to release said stand, of a longitudinally slotted plate secured to said mud guard by means of said keeper securing bolts engaging through the slot therein, project-

ing ears provided on said plate, a lever pivotally connected to said ears, an operative connection between one end of said lever and the free end of said keeper, said lever being adapted upon depression of the opposite end thereof to effect the outward swinging of said keeper, substantially as described.

2. The combination with a cycle, a mud guard therefor arranged adjacent the upper side thereof, a pivotally supported cycle stand, and a spring keeper having one end secured to said mud guard, the free end of said keeper being adapted to engage said stand to hold the same in elevated or inoperative position, said keeper being adapted when the free end thereof is sprung outwardly to release said stand, of a plate secured to said mud guard and longitudinally adjustable thereon, projecting ears provided upon said plate, a lever pivotally connected to said ears, an operative connection between one end of said lever and the free end of said keeper, said lever being adapted upon depression of the opposite end thereof to effect the outward springing of said keeper, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN HOWARTH RAPP.

Witnesses:

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