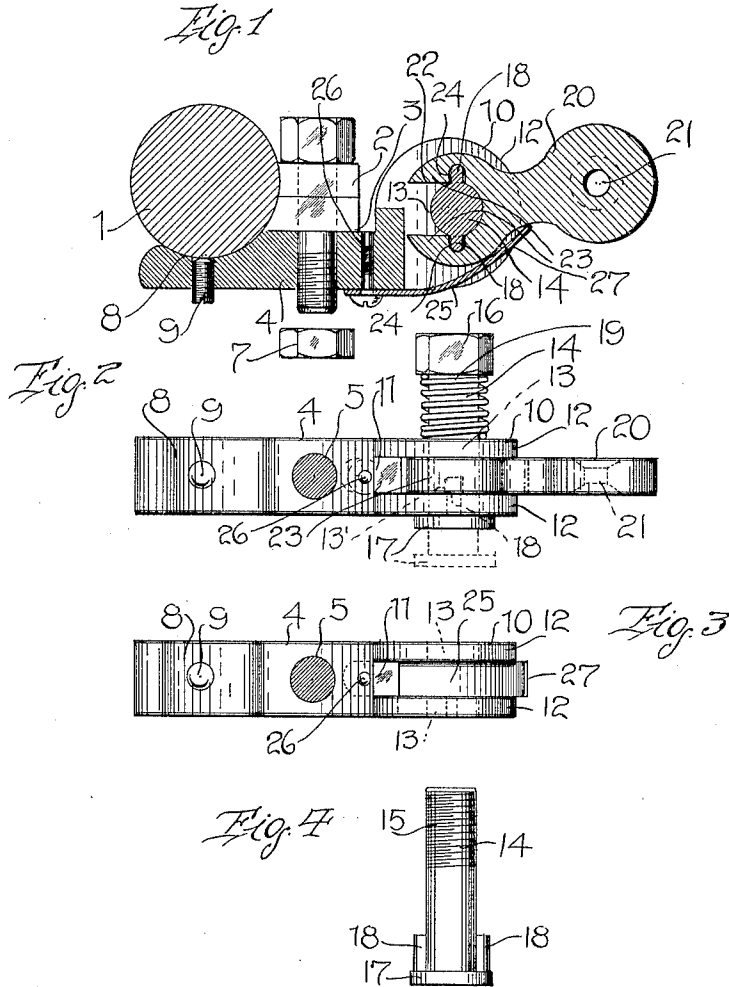


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BRACKET.
APPLICATION FILED JUNE 11, 1913.

1,099,758.

Patented June 9, 1914.



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BRACKET.

1,099,758.

Specification of Letters Patent.

Patented June 9, 1914.

Application filed June 11, 1913. Serial No. 773,083.

To all whom it may concern:

Be it known that we, ALFRED H. NICHOLS and GEORGE A. NICHOLS, citizens of the United States, residing at Eugene, in the county of Lane and State of Oregon, have invented certain new and useful Improvements in Brackets, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to new and useful improvements in brackets and more particularly to that class of brackets used to detachably secure a lantern to a bicycle or other vehicle, the object of the invention is to facilitate the detachment of such lanterns when desired and to prevent their accidental displacement.

Another object of the invention is to provide a bracket of the above character which will possess advantages in points of efficiency and durability, is inexpensive of manufacture and at the same time is simple in construction and operation.

With the above and other objects in view, this invention consists in the novel features of construction and the combination and arrangement of parts to be hereinafter more fully described, pointed out in the claims and shown in the accompanying drawings, in which—

Figure 1 is a longitudinal sectional view illustrating the application of our improved lamp bracket; Fig. 2 is a top plan view; Fig. 3 is a similar view, the lamp supporting member being removed; Fig. 4 is a side elevation of the movable bolt.

Referring more particularly to the drawings, 1 indicates the handle bar of a bicycle having a clamp 2 thereon, which is provided with the outwardly projecting ends 3 having a bolt receiving opening therein.

It will be understood that the object of the present invention is to provide a lamp bracket which is to be secured to the outwardly projecting ends of the clamp and having a lamp removably mounted upon the bracket and to this end we provide an elongated body member 4 which is provided with a bolt opening 5 adapted to receive the lower end of the bolt 6 which is passed through the ends 3 of the clamp and then through the opening 5, a nut 7 being threaded upon the lower end of the bolt to securely fasten the bracket to the handle bar.

The body member 4 is provided with a curved recess 8 which is adapted to conform

to the periphery of the handle bar 1 so that the ends of the body will fit snugly against the handle bar. A set screw 9 is carried by the end of the body member and adapted to engage the handle bar to prevent rotary movement of the bracket. The other end of the body is provided with a circular enlargement 10 bifurcated, as shown at 11 to form the spaced ears 12, said ears being provided with a central opening 13, one of said ears being provided with recesses 13' arranged at diametrically opposite points and communicating with the central openings 13. Mounted within the openings 13 of the ears 12 is a bolt 14 provided at one end with the usual screw threads 15 and having a nut 16 threaded thereon. The opposite end of the bolt is provided with a head 17 and formed integral with the head and the bolt are the oppositely disposed lugs 18 which are adapted to removably engage within the recesses 13' to prevent rotary movement of the bolt.

A coil spring 19 is mounted upon the bolt and disposed between the nut 16 and one of the ears 13 to normally retain the lugs 18 within the recesses 13'. A supporting member 20 is provided, the ends of which are circular in form, one of the ends being provided with a central opening 21 to receive the horizontal standard member of the lamp. The opposite end of the supporting member is bifurcated, as shown at 22 to form the two spaced arms 23 which are adapted to be arranged between the ears 12 and disposed upon opposite sides of the bolt 14. One end of the member 20 is provided with the recesses 24, which are arranged upon opposite sides of the bifurcation 22 and are adapted to receive the lugs 18 when the member 20 is in its operative position to securely hold the member against movement. Thus, as clearly illustrated in Fig. 1, the supporting member 20 is in its operative position the lugs 18 being engaged with the recesses 24 to securely retain the same in its operative position.

A spring member 25 is provided, one end of which is secured by means of the screw member 26 to the under side of the elongated body member 4, the other end of the spring member curving upwardly, as shown at 27, and disposed between the lower sides of the ears 12 and the end thereof adapted to normally engage the intermediate portion of the member 20 to resiliently support the

same. Thus it will be seen that in driving over rough and uneven roads, the recesses 24 are sufficiently large to permit of slight movement of the member 20 so that the shock and jar of the unevenness of the roads will be eliminated from the lamp, the weight of the lamp bearing on the outer end of the member 20 will force the same downwardly against the tension of the spring 25. From this it will be seen that by having the supporting member 20 resiliently mounted, there will be no danger of the lamp becoming broken when traveling over rough or uneven roads.

It will be readily apparent from the above description taken in connection with the accompanying drawings that the supporting member 20 may be quickly and readily released from the supporting bracket by reciprocating the bolt 14 until the lugs 18 have been released from the recesses 24. It will also be apparent that the supporting member can be quickly and readily applied to the bracket by reciprocating the bolt 14 and passing the arms 23 down between the spaced ears 12 until the recesses are disposed opposite the lugs 18, the bolt is then released and the lugs, through the tension of the coil spring 15 will be forced into the recesses 24 to retain the supporting member in its operative position. Thus it will be readily apparent that when it is desired to remove the lamp from the vehicle, it may be quickly and readily removed or replaced thereon. It will also be apparent that the device is extremely simple in construction and can be manufactured at comparatively low cost.

While we have shown and described the preferred form of our invention, it will be obvious that various changes in the details of construction and in the proportions may be resorted to for successfully carrying our invention into practice without sacrificing any of the novel features or departing from the scope of the appended claims.

What we claim is:—

1. A device of the class described including a body member, spaced ears formed thereon having openings therein, a spring actuated bolt movable in said openings, means for retaining said bolt against rotation, a supporting member having one end arranged between said ears and mounted

upon said bolt, and means carried by the bolt and adapted to detachably engage the supporting member to retain the same between the ears.

2. A device of the class described including an elongated body member having a circular enlargement at one end, said enlargement being bifurcated to form spaced ears provided with a central opening, a bolt movable within the openings in the ears, one of said ears being provided with recesses communicating with one of said openings, oppositely disposed lugs formed upon said bolt and adapted to normally engage within said recesses, a coil spring mounted upon the bolt and disposed between one end of the bolt and one of the ears to retain said lugs in their normal position, a supporting member having one end arranged between said ears and mounted upon said bolt and means carried by the bolt and adapted to removably engage the supporting member to retain the same between the ears.

3. A device of the class described including an elongated body member having spaced ears formed at one end, and provided with central openings, one of said ears being provided with recesses communicating with the opening therein, a bolt movable in said openings, lugs formed on the bolt and normally disposed within the recesses, a coil spring mounted upon the bolt and adapted to retain the lugs in their normal position, a lamp supporting member having one end bifurcated to form spaced arms arranged between the ears on the body member and disposed upon opposite sides of the bolt, said arms being provided with oppositely disposed recesses adapted to be removably engaged by the lugs on the bolt to securely retain the supporting member between the ears and a spring member carried by the body and having one end resiliently engaging the supporting member, as and for the purpose set forth.

In testimony whereof we hereunto affix our signatures in the presence of two witnesses.

ALFRED H. NICHOLS.
GEORGE A. NICHOLS.

Witnesses:

WM. HEMPEY,
S. P. NESS.