

E. W. WILDE.
WHIP SOCKET.
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1,215,228.

Patented Feb. 6, 1917.

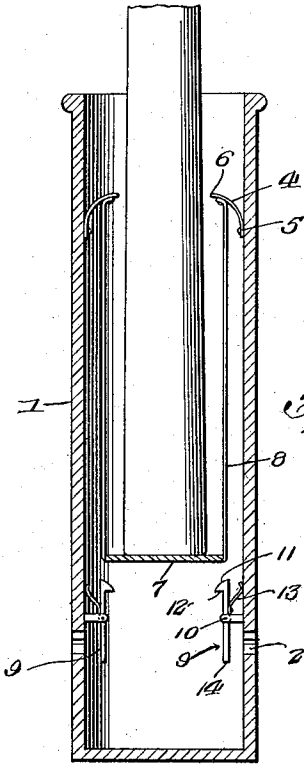


Fig. 1.

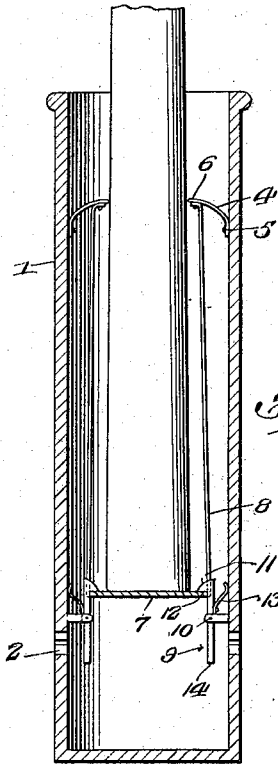


Fig. 2.

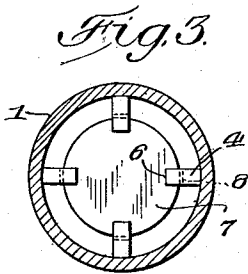


Fig. 3.

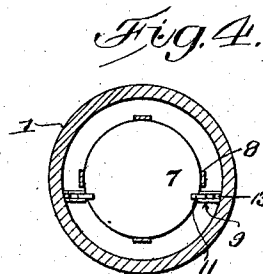


Fig. 4.

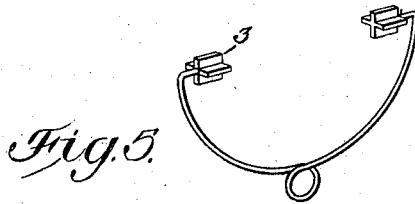


Fig. 5.

Witnesses

J. H. Crawford
DeWanna

Inventor
E. W. Wilde,

By *Victor J. Evans*
Attorney

UNITED STATES PATENT OFFICE.

EMIL W. WILDE, OF WARSAW, ILLINOIS.

WHIP-SOCKET.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EMIL W. WILDE, a citizen of the United States, residing at Warsaw, in the county of Hancock and State of Illinois, have invented new and useful Improvements in Whip-Sockets, of which the following is a specification.

This invention relates to improvements in whip sockets and especially with reference to the provision of means of securely locking a whip in the socket and thereby preventing the whip from being stolen.

The object of the invention is to provide a whip socket of this kind the locking devices of which are simple in construction, are reliable in operation and are not likely to get out of order.

The invention consists in the construction, combination and arrangement of devices hereinafter described and claimed.

In the accompanying drawings:

Figure 1 is a vertical sectional view of a whip socket provided with locking devices constructed and arranged in accordance with my invention and showing locking devices in initial disengaged position.

Fig. 2 is a similar view of the same showing the locking devices in locking position and securing the whip in the socket.

Figs. 3 and 4 are detailed views.

Fig. 5 is a detailed perspective view of the keys.

The whip socket 1 may be of any suitable construction and is provided in opposite sides, near the base, with key-holes 2 which are here shown as cross-shaped and adapted to receive correspondingly shaped keys 3.

Spring catches 4 are arranged radially in the socket and have their outer downturned ends secured to the socket at 5 and at a point a suitable distance from the upper end of the socket. These catches have their free ends 6 adapted to engage a whip to lock the latter in the socket as hereinafter described. A whip supporting and detent device is here shown as a disk 7 which is arranged for free vertical movement in the socket at a suitable point and which is connected to the spring catches by rods 8 and hence is suspended by said rods from the free ends of the spring catches. Dogs 9 are also arranged in the socket, are pivotally mounted as at 10 and have their upper ends out-

wardly inclined to form cam heads 11 for engagement by the disk 7 when the latter is moved downwardly and are also provided with shoulders 12 to engage over the disk and lock the latter in lowered position, each dog having a spring 13 to hold the same in engaging position and also having a downwardly extending release arm 14 arranged opposite one of the key-holes.

The operation of my invention is as follows:

Normally, when the whip is out of the socket, the disk 7 is raised by the spring catches 6 and is entirely disengaged from the dogs, and the spring catches by their own spring movement have their engaging ends 6 so far apart radially as to permit the whip to be readily placed in the socket. When the whip is in the socket and it is desired to lock the same, the whip is pressed downwardly and caused to force the disk 7 downwardly against the tension of the spring catches 4, such downward movement of the disk causing the spring catches to move inwardly and engage their ends with the whip to effectually grip and lock the latter in place, and the downward movement of the disk causing the same to become engaged by the shoulders 12 of the dogs so that the disk is locked in lowered position and the spring catches are firmly secured in whip locking position.

When it is desired to release the whip the latter must be first pushed downward a slight distance to loosen the grip of the spring catches on the whip and the keys must then be placed in the openings 2 and pressed toward each other and caused by their engagement with the arms 14 of the dogs to release the latter from the disk 7, whereupon the spring catches will disengage the whip and the latter may be then readily taken out of the socket.

While I have herein shown and described the preferred form of my invention I will have it understood that changes may be made in the form, construction and proportion of the several parts without departing from the spirit of my invention and within the scope of the claim.

Thus having described the invention what is claimed is:

A whip socket, spring catches therein, se-

cured thereto and arranged to engage the spring catches in whip locking position, around a whip, a disk to support the whip, said dogs having lever arms and means to arranged for vertical movement in the engage the arms of the dogs and cause the 10 socket and connected to and held by the latter to release the disk.

5 spring catches; spring pressed pivoted dogs to directly engage the disk and hold the latter in lowered position thereby securing In testimony whereof I affix my signature.

EMIL W. WILDE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."