W. A. PETERS.

WHIP SOCKET LOCK.

APPLICATION FILED NOV. 21, 1910.

989,925.

Patented Apr. 18, 1911.

Fig. 1

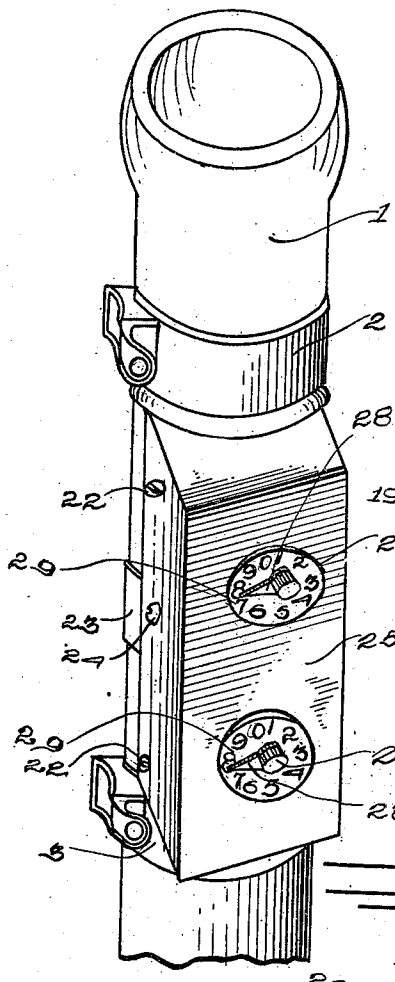


Fig. 2.

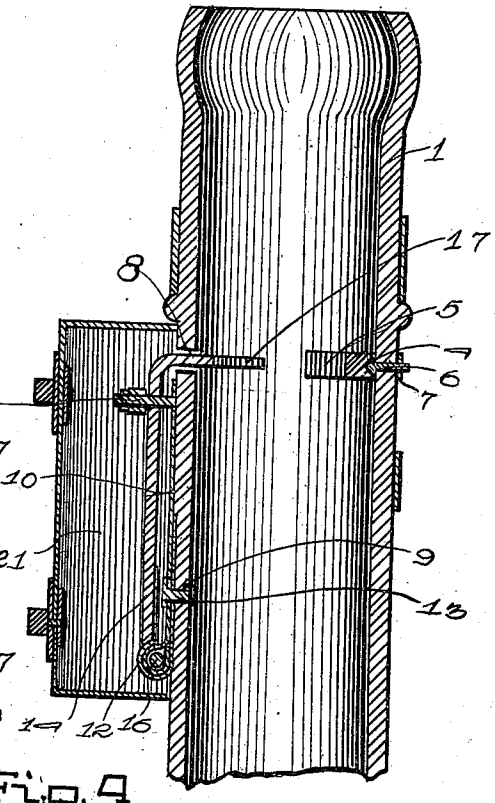


Fig. 4

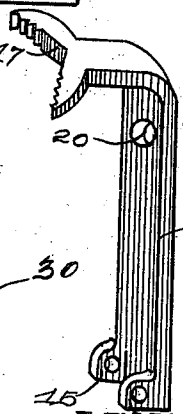


Fig. 3

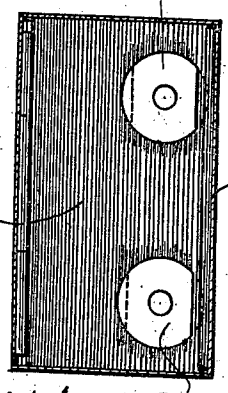
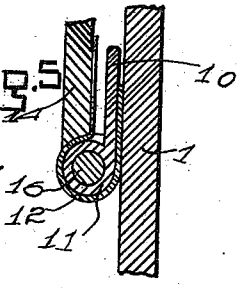


Fig. 5



Witnesses
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WHIP-SOCKET LOCK.

989,925. Specification of Letters Patent. Patented Apr. 18, 1911.

Application filed November 21, 1910. Serial No. 593,516.

To all whom it may concern:

Be it known that I, WILLIAM A. PETERS, a citizen of the United States, residing at Burwell, in the county of Garfield and State of Nebraska, have invented certain new and useful Improvements in Whip-Socket Locks, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to whip sockets and the principal object of the same is to provide a means for locking a whip within a socket so that there is no danger of losing the whip.

This invention is illustrated in the accompanying drawing wherein:

Figure 1 is a perspective view of the whip socket. Fig. 2 is a vertical sectional view through the socket. Fig. 3 is a view of the inner surface of the door and shows means for locking the door. Fig. 4 is an enlarged view of the movable jaw. Fig. 5 is an enlarged view of the hinged portion of the movable jaw.

Referring to the accompanying drawing by numerals it will be seen that the improved whip socket comprises a socket 1 which may be of any desired construction and is preferably made cylindrical and provided with collars 2 and 3 for attaching the socket to the vehicle; the locking jaw 4 having a toothed portion 5 is secured within the socket 1 by means of a threaded shank 6 which passes through the wall of the socket and is secured in place by means of the nut 7.

A transverse slot 8 is formed in the wall of the socket opposite the jaw 4, and a smaller opening 9 is formed beneath the slot 8. A plate 10 is secured to the socket by any suitable means, such for instance as screws or bolts and has a central hinge ear 11 formed at its lower end. A spring arm 12 is secured to the inner surface of the plate by means of the rivet 13 which passes through the opening 9 in the socket and holds the plate in proper position. The free end of the spring is curved around the hinge ear 11 and contacts with the inner surface of a movable jaw 14 which is hinged to the hinge ear 11 by means of side ears 15 and pivot pin 16. The upper free end of the movable jaw is bent over the end of the plate 10, and enters the slot 8 where it terminates in a toothed portion 17 which is disposed opposite to the jaw 4, thus forming a pair of toothed jaws between which the whip is tightly held in place. The movable jaw normally has a tendency to spring outward because of the spring arm 12 and is adjusted by means of a thumb screw, which is threaded upon a threaded shank 19 secured to the plate 10 and passes through the opening 20 formed near the upper end of the movable jaw.

A housing 21 is shaped to fit the socket 1 and is held thereon by means of the screws 22 and band 23 which is held in place by means of screws 24. The housing 21 surrounds the movable jaw and is provided with a door 25 to which there is secured the locking disks 26. The disks are mounted upon the inner side of the door and are operated by means of turn screws 27 which project through the door and have secured upon their outer portions indicating needles 28. A dial 29 having indicating numerals marked thereon is formed around each of the turn screws 27 so as to indicate when the disks are in proper position to open the door. The side wall of the housing has a flange 30 at its front end behind which the disks 26 pass so as to lock the door. Each of the disks has one portion cut off so that when the needle 26 is turned to the proper numeral on the indicating dial the cut off portion of the disk will be toward the flange 30 and permit the door to be opened. By means of this construction the whip can be locked within the socket by turning the thumb screw 18 and bringing the jaws together, and it cannot be removed without opening the door, which would be impossible unless the person knew the proper places to turn the indicating needles.

Having described the invention, I claim:

1. A device of the character described comprising a socket provided with a transverse slot, a stationary jaw secured within said socket and provided with a toothed portion, a plate secured to the outer surface of said socket and provided at its lower end with a central hinge ear, a spring arm secured to the inner surface of said plate by rivets passing through said socket piece for holding said plate in position, the free portion of said spring arm passing around said hinge ear, and a movable jaw hinged to said hinge ear and engaged by said spring arm to normally hold said movable jaw away from said socket, the upper end of said jaw curved from said plate and through said slot and terminating in a toothed portion, a

threaded shank secured near the upper end of said plate, and passing through an opening formed near the upper end of said movable jaw, and a thumb screw threaded upon said shank and adapted to adjust said movable jaw, and a housing surrounding said movable jaw.

2. A device of the character described comprising a socket, a stationary jaw secured within said socket, a plate secured to said socket piece and terminating in a hinge ear, a spring arm secured between said plate and socket surrounding said hinge ear, a movable jaw provided with side ears fastened to either side of said hinge ear, a pin pivotally mounting said ears, said spring arm normally holding said movable jaw away from said socket, and a means for adjusting said movable jaw.

3. A device of the character described comprising a socket, a stationary jaw within said socket, a movable jaw pivoted to the outer surface of said socket and passing within said socket, a housing surrounding said movable jaw, a collar secured to said housing and surrounding said socket, and removably secured at its other end to said housing to retain said housing in place, screws passing through said housing into said socket to retain said housing in place, a flange formed at the outer end of one side of said housing, a door hinged to the other side of said housing, disks pivotally secured to the inner side of said door and adapted to pass beneath said flange to hold said door shut, said disks having one portion cut away to permit said door to be opened, pivot pins secured to said disks and passing through said door, indicating dials surrounding each of said pivot pins, and indicating needles secured to said pivot pins to indicate when said disks are in a position to open said door.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

WILLIAM A. PETERS.

Witnesses:
B. F. BISBING,
JOHN STANEK.

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