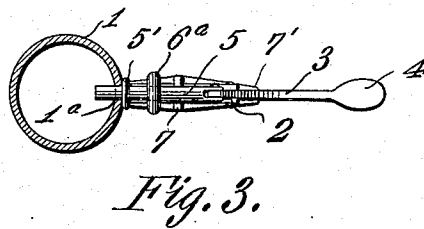
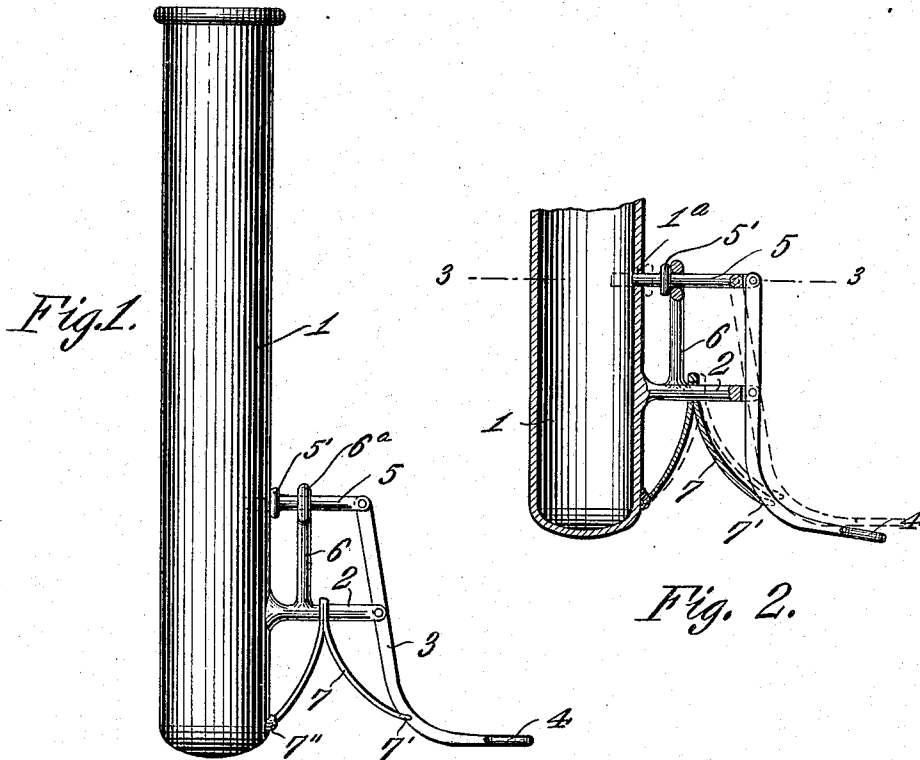


F. J. ERICKSON.
 LOCKING WHIP SOCKET.
 APPLICATION FILED MAY 11, 1909.

930,366.

Patented Aug. 10, 1909.



Witnesses

E. Larson
 S. E. Dodge

Inventor

F. J. Erickson,

By

Decker Cobb

Attorneys

UNITED STATES PATENT OFFICE.

FRED J. ERICKSON, OF JACKSON, MINNESOTA.

LOCKING WHIP-SOCKET.

No. 930,366.

Specification of Letters Patent.

Patented Aug. 10, 1909.

Application filed May 11, 1909. Serial No. 495,344.

To all whom it may concern:

Be it known that I, FRED J. ERICKSON, a citizen of the United States, residing at Jackson, in the county of Jackson and State of Minnesota, have invented certain new and useful Improvements in Locking Whip-Sockets, of which the following is a specification.

This invention relates particularly to improvements in whip sockets of that class designed to prevent accidental displacement of a whip from the socket as the carriage or buggy to which the socket is applied is in movement.

The invention includes a peculiar arrangement of locking parts adapted for convenient operation by the foot of the driver of the vehicle and in order to release the whip very quickly to permit of use of the same.

For a full understanding of the invention, reference is to be had to the following detail description and to the accompanying drawings, in which—

Figure 1 is a side elevation of a whip socket showing the invention applied thereto; Fig. 2 is a sectional view of the lower portion of the whip socket, partly broken away, and bringing out clearly the mounting of the locking parts, the foot lever being shown slightly depressed to disengage the whip engaging member from the whip; and Fig. 3 is a horizontal sectional view taken about on the line 3—3 of Fig. 2.

Throughout the following detail description and on the several figures of the drawings similar parts are referred to by like reference characters.

Specifically describing the invention and referring to the drawings, the numeral 1 denotes the whip socket which may be of any ordinary conventional construction at present in use. From the lower portion of the socket 1 projects a lateral arm 2 and to the outer end of said arm is pivoted a foot lever 3 provided at its lower portion with a foot piece 4. The lever 3 is pivotally connected at its upper end with a whip engaging rod or member 5, the latter having its innermost end adapted to move through an opening in

the side of the whip socket 1, whereby to positively engage the butt end of the whip that is received in said socket, and thus prevent accidental displacement of said whip.

The whip engaging member 5 is guided in its movement to disengage from or engage with the whip, by means of a guide post 6 projecting upwardly from the arm 2, said post having an eye or guide member 6^a at its upper end. The guide member 6^a receives the locking or whip engaging member 5, the latter being adapted to slide freely in the part 6^a as shown most clearly in Fig. 2 of the drawings. Interposed between the lower end portion of the lever 3 and the lower end of the whip socket 1 is a V-shaped spring 7 preferably made from a flat piece of metal bent upon itself intermediate of its ends, the bent end portion being provided with an opening through which the arm 2 passes, and the lower ends of the spring diverging so as to engage with the socket 1 and the lower end portion of the lever 3, thereby normally tending to force the member 5 inwardly and into engagement with the whip received in the socket 1. The outer lower end of the spring 7 may be bifurcated as shown at 7' to effectively hold this end in engagement with the lever 3. The inner lower end of the spring 7, however may be secured to the whip socket as shown at 7". In order to limit the outward movement of the locking or whip engaging member 5, said member is formed with an annular shoulder 5' adapted to engage the post 6 and prevent displacement of the inner end of the part 5 from the opening in the whip socket shown at 1^a.

It will be apparent that the invention is very simply operated and it will only be necessary for the driver to depress the lower portion or foot piece 4 of the lever 3 and thus release the whip from the socket 1, or force the member 5 outwardly preparatory to engaging the whip therewith when the latter is placed in the socket 1.

Having thus described the invention, what is claimed as new is:

In combination, a whip socket, an arm projecting therefrom, a foot lever pivoted

between its ends to said arm, a whip engaging member sliding through a side of the socket and connected with the upper end of the foot lever, a foot piece at the lower end of the foot lever, a spring interposed between the lower portion of the foot lever and the socket to normally hold the whip engaging member projected into the socket, and a post projecting upwardly from the arm and re-

ceiving the whip engaging member to guide the same.

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

FRED J. ERICKSON.

Witnesses:

F. B. FABER,

MARTHA LANGEN.