

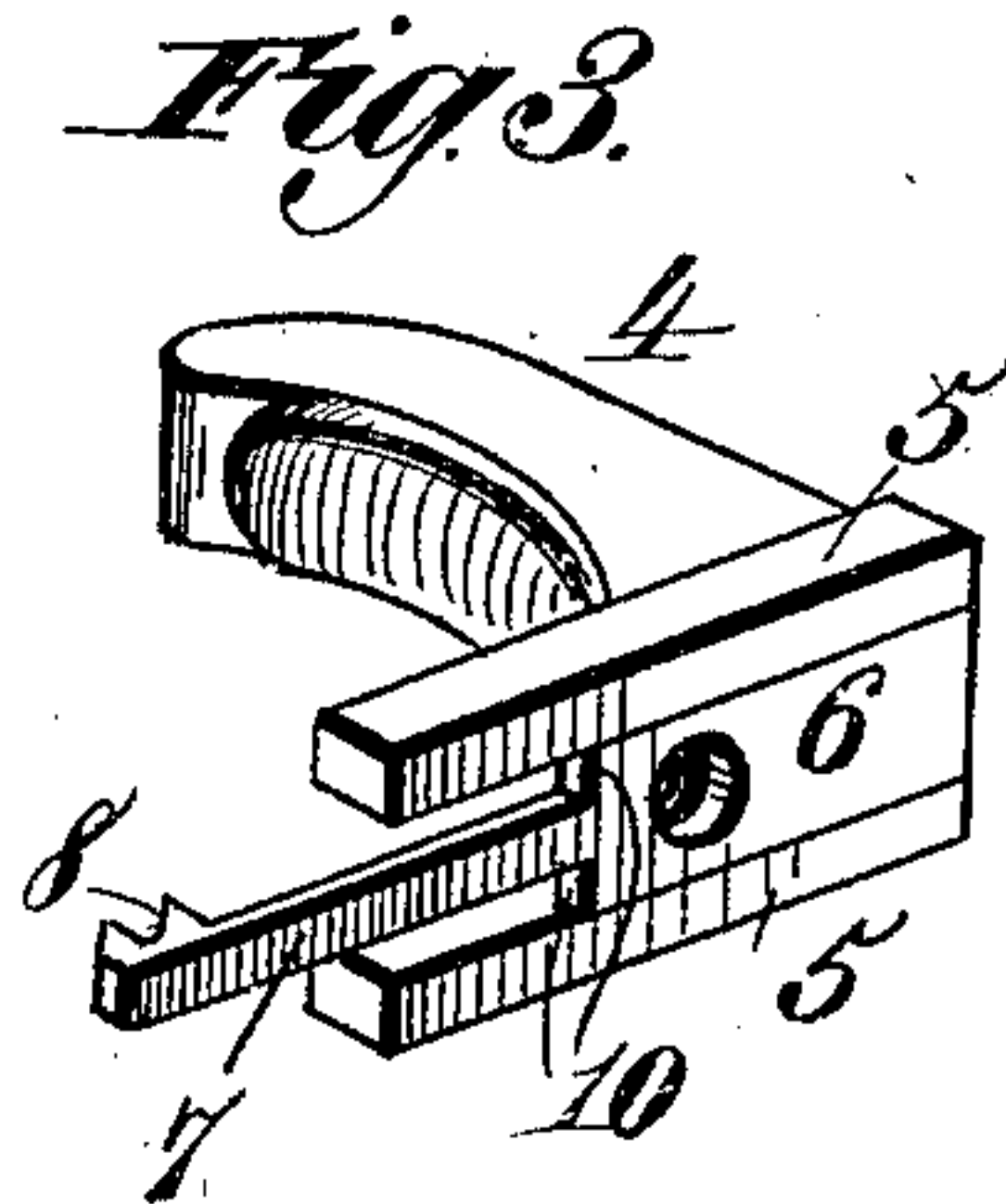
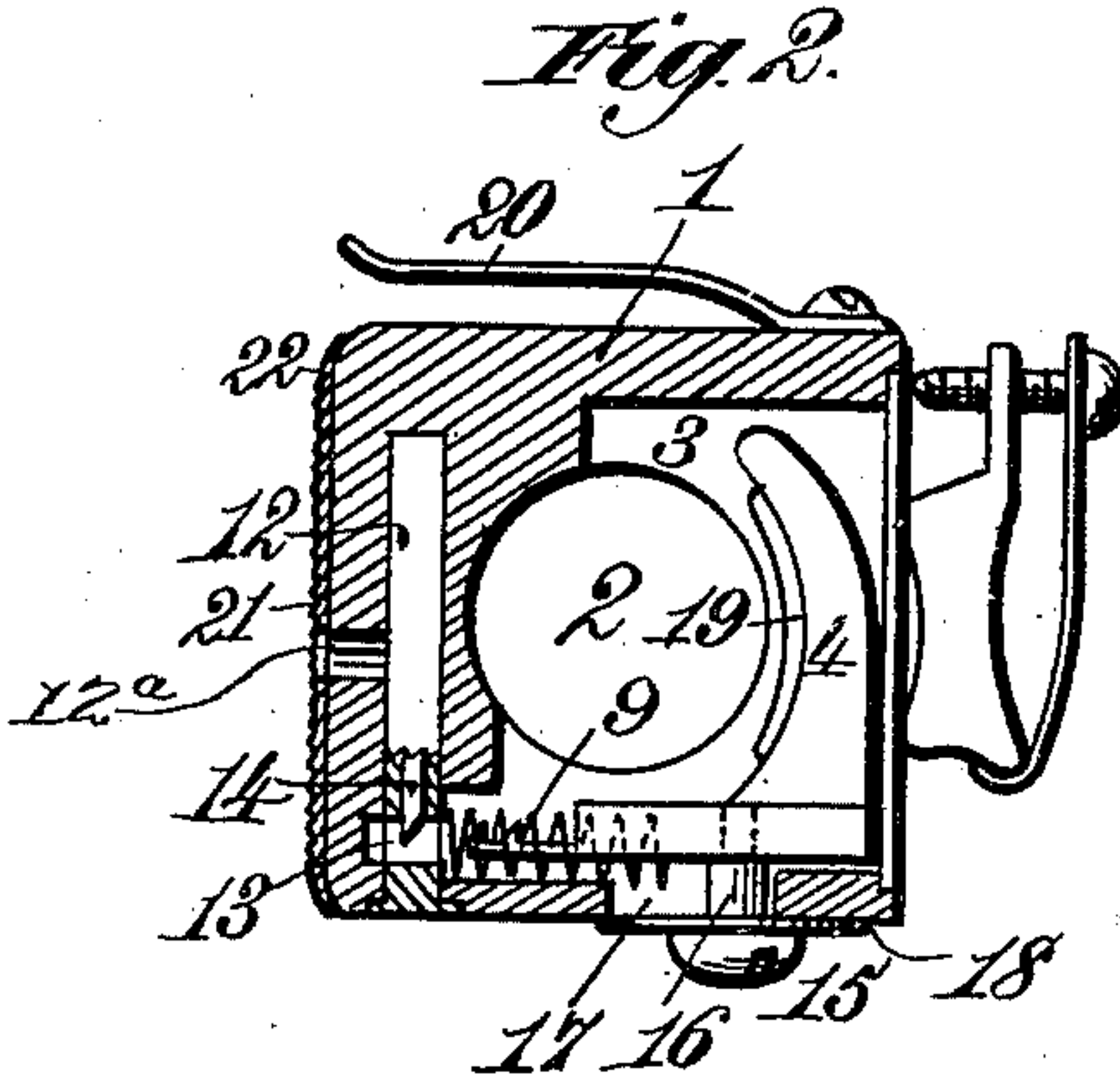
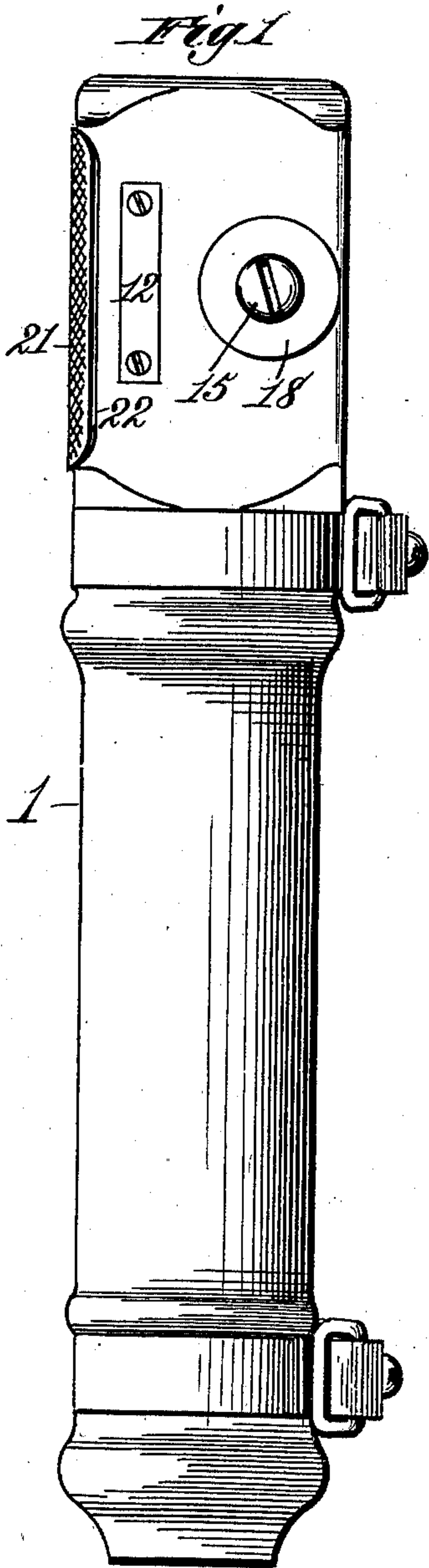
No. 663,756.

Patented Dec. 11, 1900.

A. W. HERRING.
LOCKING WHIP SOCKET.

(Application filed Apr. 3, 1900.)

(No Model.)



Witnesses:
Robert G. Connett.
J. B. Keefe

Inventor:
Archie W. Herring.
By James L. Norris.
Atty.

UNITED STATES PATENT OFFICE.

ARCHIE W. HERRING, OF LIMA, OHIO.

LOCKING WHIP-SOCKET.

SPECIFICATION forming part of Letters Patent No. 663,756, dated December 11, 1900.

Application filed April 3, 1900. Serial No. 11,320. (No model.)

To all whom it may concern:

Be it known that I, ARCHIE W. HERRING, a citizen of the United States, residing at Lima, in the county of Allen and State of Ohio, have
5 invented new and useful Improvements in Locking Whip-Sockets, of which the following is a specification.

My invention relates to locking whip-sockets, my object being to provide a device of
10 this character in which a whip may be so fastened as to prevent its removal by any unauthorized person without regard to the size or particular formation of the whip-handle. It is my purpose, in other words, to provide a
15 whip-socket with a spring-pressed clamp normally withdrawn from locking engagement, but having an outer push-button by which it can be made to partly embrace the handle of a whip with such a degree of pressure as to
20 render its withdrawal impossible, said clamp being provided with a locking-bar having automatic engagement with a suitable lock, whereby the whip may be released at any moment by means of a suitable key.

25 My invention also includes other novel and useful features, all of which will be fully described in the following specification and then particularly pointed out and defined in the claims.

30 For the purposes of the following description reference is had to the accompanying drawings, in which—

Figure 1 is a side elevation of a whip-socket having my invention, the view being
35 taken from the side which shows the exterior push-button or slide for closing the normally open clamping-arm. Fig. 2 is a horizontal section, the plane passing through the clamping-bar and showing its locking-arm and the
40 means for preserving its clamping engagement. Fig. 3 is a detail view, upon a slightly-enlarged scale, of the clamping-bar and its locking-arm removed from the whip-socket.

The reference-numeral 1 in said drawings
45 indicates a whip-socket of ordinary construction and provided with any suitable means by which it is secured to a carriage. In the upper portion of the cylindrical chamber 2, which receives the handle or butt of the whip,
50 is a channel or recess 3, transverse to the chamber 2 and opening into the latter through

half its circumference or thereabout. In this recess is arranged a curved clamping-arm 4, having at one end slide-pieces 5, parallel with each other and substantially at right angles
55 with the arm 4. Between these slide-pieces lies a flat plate 6, bearing against the end of the clamping-arm 4 and substantially flush with the outer edges of the slide-pieces 5. Forming part of said plate 6 is a narrower
60 portion 7, having at its end teeth or detents 8 of any suitable form projecting from the inner face of the bar 7.

Upon the bar 7 is coiled a spring 9, of such diameter that one end bears against two op-
65 posite shoulders 10 of the flat plate 6. The other end of said spring presses against the casing 12 of a small lock, which is inserted in a recess in the socket opposite the recess 3. The lock-casing 12 is provided with a small
70 opening 13 to permit the passage of the end of the locking-bar 7 and has a bolt or tumbler 14 of a form adapted to engage the detents 8 upon the end of the locking-bar and prevent the withdrawal of the latter after such
75 an engagement until the bolt or tumbler is operated by a small key, which is inserted in a suitable aperture 12^a in the whip-socket. It will be observed that the teeth or detents 8 are beveled upon their backs, so that if the
80 lock is spring-operated they will readily pass the bolt or tumbler in one direction and be held by the latter against movement in the other direction. The spring 9 being compressed between the lock-casing and the lock-
85 ing-bar 7 retains the latter normally out of locking engagement and retains the clamping-arm 4 in its retracted position, in which it is practically concealed by the channel 3. In order to effect its proper engagement with
90 the whip-handle, an exterior slide or push-button 15 is provided, its shank 16 lying in a slot 17 in the whip-socket, the threaded end passing through an opening in the flat plate 6 and screwing into the end of the locking-
95 arm 4 between the slide-pieces 5. The shank of the push-button passes through the flat plate 6, which is rigidly secured thereby to the clamping-arm 4. An escutcheon or other
100 suitable cover 18 conceals the slot 17 and moves easily with the push-button.

To give a secure hold, the inner or concave

face of the arm 4 is preferably provided with a yielding or elastic cushion 19 of soft rubber or any other suitable material.

A suitable rein-holder 20 is mounted on the socket, and to preserve the high finish of the carriage I have found it an advantage to attach a match-lighter 21, which may form part of the escutcheon-plate 22, covering the key-opening.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. A locking whip-socket having a movable clamping-arm carrying a locking-bar arranged at a right angle thereto, said arm and bar lying wholly within a recess transverse to said socket, a spring normally acting to hold said arm and locking-bar retracted, a lock located in a recess in the socket directly opposite the arm and having an opening in its casing to receive said bar whereby its bolt may be brought into and out of contact therewith, and a push-button having its shank lying in a slot in the whip-socket and its end engaging the clamping-arm whereby the latter may be moved toward the bolt against the action of the spring, substantially as described.

2. In a locking whip-socket, the combination with a clamping-arm lying in a recess in the whip-socket and opening into the latter transversely, of a locking-bar forming a rigid part of said clamping-arm and lying at a right

angle with the same, a spring coiled on said locking-bar, a key-lock having a casing provided with an opening for the end of the locking-bar, and an exterior push-button having its shank in a slot in the whip-socket and its end tapped into the end of the clamping-arm, the spring having bearing at one end on the lock-casing to hold the clamping-arm out of engagement, substantially as described.

3. In a locking whip-socket the combination with a clamping-arm movable in a recess which opens into said socket transversely, a locking-bar carried by and arranged at right angles to said arm and provided at its free end with teeth or detents, a lock located in a recess in the socket directly opposite the arm and having an opening in its casing to receive the toothed end of said bar whereby the lock-bolt may be brought into and out of engagement with the said teeth or detents on the end of the bar, and a laterally-movable button having its shank lying in a horizontal slot in the whip-socket and its end engaging the clamping-arm whereby the latter may be moved laterally toward the bolt, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ARCHIE W. HERRING.

Witnesses:

H. P. WILLIAMSON,
JAMES S. DOWNARD.