J. J. MARKEL.

Whip-Socket.

No. 163,388. Patented May 18, 1875.

Fig. 1.

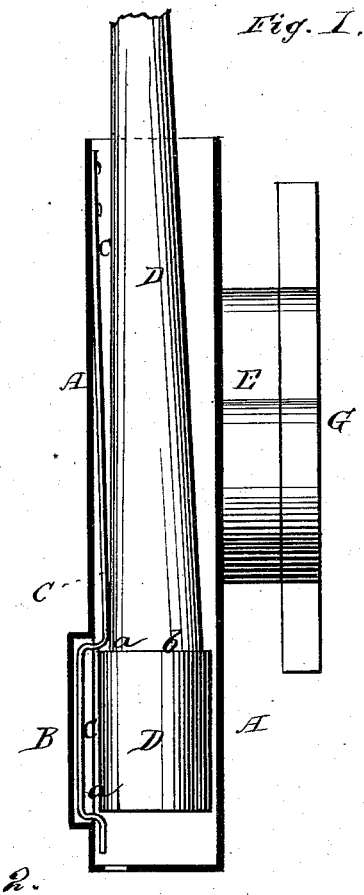


Fig. 2.

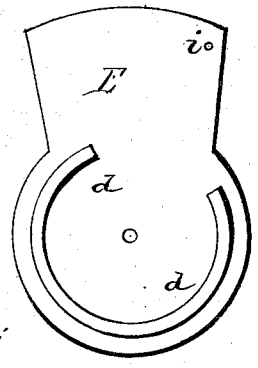
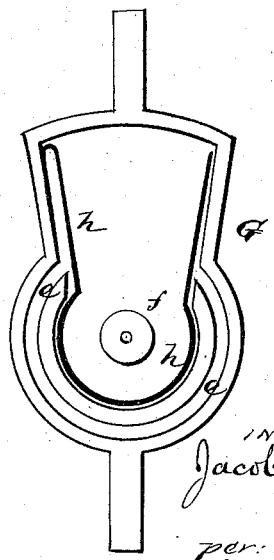


Fig. 3.



WITNESSES:

P. C. Dieterich.

H. C. McArthur.

INVENTOR.

Jacob J. Markel

per:

C. H. Watson & Co

ATTORNEYS.

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

JACOB J. MARKEL, OF NANKIN, OHIO.

IMPROVEMENT IN WHIP-SOCKETS.

Specification forming part of Letters Patent No. **163,388**, dated May 18, 1875; application filed April 19, 1875.

To all whom it may concern:

Be it known that I, JACOB J. MARKEL, of Nankin, in the county of Ashland and State of Ohio, have invented certain new and useful Improvements in Whip-Sockets; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a whip-socket and its fastening, as will be hereinafter more fully set forth.

In the annexed drawing Figure 1 is a side elevation of a device embodying my invention, and Figs. 2 and 3 are views of the inside of the attachment.

A represents a tubular or cylindrical whip-socket, provided at its lower end on one side with a box, B, as shown. Within the socket A near the upper end is secured a flat spring, C, which extends downward, and provided near its lower end with a shoulder, *a;* or in other words, the spring is bent to form such shoulder. D represents the handle of the whip, which is intended to be dropped into the socket, and rests upon the spring, so that it can be used at any time.

When it is desired to lock the whip fast, it is pushed down, so that the shoulder *a* of the spring will catch the bead *b* on the butt of the whip, and this will also push the spring back far enough for a key, inserted in a key-hole in the bottom of the whip-socket, to catch the spring, so as to throw the spring still farther back into the box B, to receive it and unlock the whip. Should the whip be fast it can still be used lightly on the team by means of the fastening, which is constructed of two plates, E and G, fastened respectively to the whip-socket and dash-board.

In the plate G is a groove, *e*, extending about three-fourths of a circle, to receive a corresponding flange, *d*, on the plate E. In the center of the circle, of which the groove *e* forms a part, is a hub, *f*, to which the plate E is pivoted. In a recess formed in the plate G is placed a spring, *h*, fastened at one end, and on the other end bears a pin, *i*, on the plate E. The spring *h* operating against this pin holds the plate E, with the whip-socket attached thereto, in proper position, and allows the socket and whip to be turned sufficiently forward for the whip to be used lightly on the team.

I am aware that whips have been secured in a socket by means of a spring, and I do not therefore broadly claim such device; but

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

1. The combination of tubular whip-socket A, having box B, with the spring C, having shoulder *a*, for supporting and locking the whip, substantially as set forth.

2. In a whip-socket fastening, plates E and G, pivoted together, in combination with an interior spring, for the purposes set forth.

3. The combination of the recessed plate E, having the groove *e* and hub *f*, the plate G, having flange *d* and pin *i*, and the spring *h*, all substantially as and for the purposes set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JACOB J. MARKEL.

Witnesses:

M. R. MASON,

J. C. COTTER.