

J. J. MARKEL.  
WHIP-SOCKET.

No. 173,413.

Patented Feb. 15, 1876.

Fig. 1.

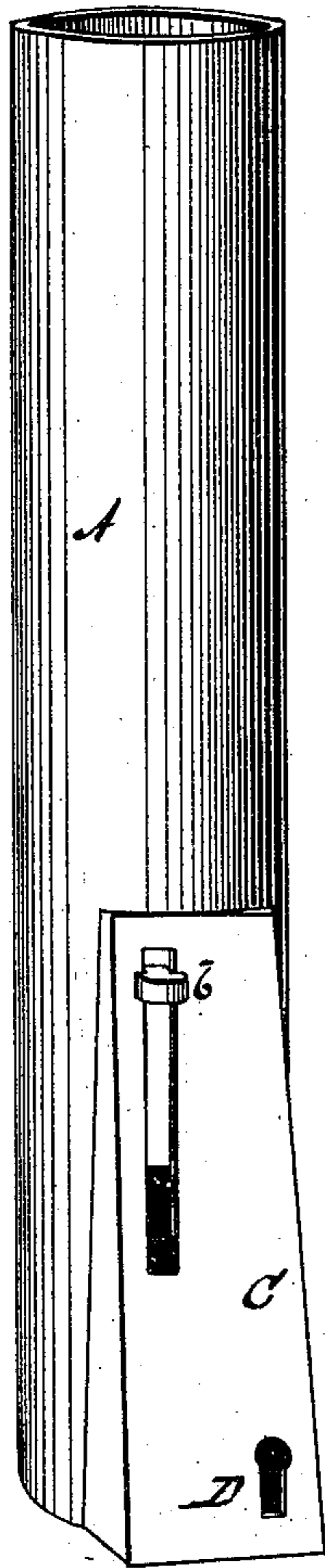


Fig. 2.

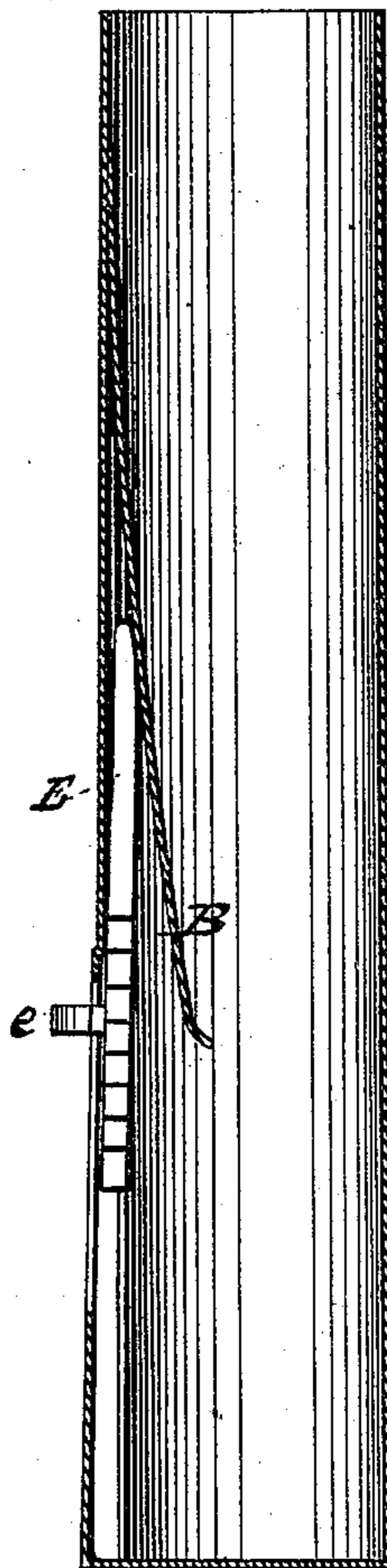
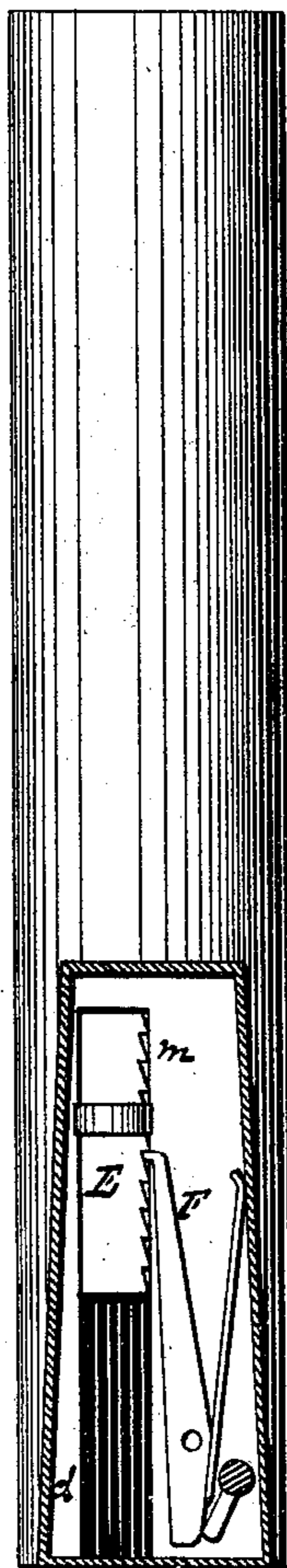


Fig. 3.



Witnesses:~

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# UNITED STATES PATENT OFFICE.

JACOB J. MARKEL, OF NANKIN, OHIO.

## IMPROVEMENT IN WHIP-SOCKETS.

Specification forming part of Letters Patent No. **173,413**, dated February 15, 1876; application filed January 21, 1876.

*To all whom it may concern:*

Be it known that I, J. J. MARKEL, of Nankin, Ohio, have invented certain new and useful Improvements in Whip-Sockets, of which the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, making a part of this specification, in which—

Figure 1 is a perspective view of a whip-socket with my device attached. Fig. 2 is a section of the same. Fig. 3 is a view of the locking device exposed.

My invention relates to that class of whip-sockets used on carriages and other vehicles; and it consists in a combination of certain devices, hereinafter described, for securing the whip against loss.

To enable others skilled in the art to make and use my invention, I will proceed to describe the exact manner in which I have carried it out.

In the drawings, A represents a whip-socket, provided with the spring-catch B, as shown in Fig. 2. On the lower extreme of the socket is secured the locking-chamber C, which is provided with a slot and key-hole, D, in its outer wall. A groove, *d*, is provided on the inner side of the chamber, in which slides the bolt E, which passes from the locking-chamber into the socket, and beneath the loose or lower end of the spring-catch B. This bolt is provided with the stud *e*, which fits into the slot *c*, and has a knob, *b*, upon its outer end, with shoulders extending over the sides of the slot. The

bolt E is provided with ratchet-teeth *m* on one side, into which fits a pivoted spring-pawl, F, as represented in Fig. 3.

The operation of my device is as follows: The bolt E being in its lower position, the handle of the whip is passed into the socket, and end descends below the lower or loose end of the catch B. Then, by sliding up the bolt E, by means of the knob *b*, the spring-catch is forced against the handle of the whip, and secures it in position. To release the whip from the socket, the spring-pawl F is raised out of the ratchet-teeth *m* by means of a key, which pushes against the short arm *n* of the lever, when the bolt E can be withdrawn from its position beneath or behind the spring-catch B, allowing the catch to spring away from the handle of the whip, and permit its withdrawal.

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

The socket A, provided with the slotted locking-chamber C, in combination with the spring-catch B, located entirely within the socket, the serrated bolt E, passing up into the socket, and provided with the knob *b* and spring-pawl F, all constructed to operate substantially as and for the purpose set forth.

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Witnesses:

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