

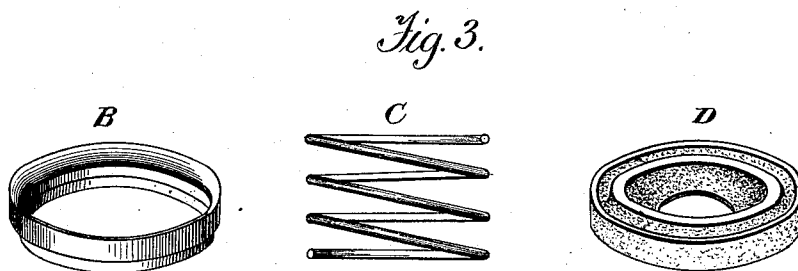
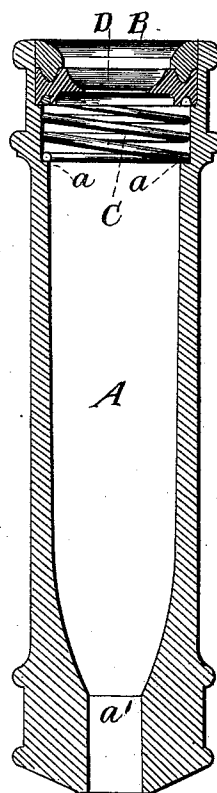
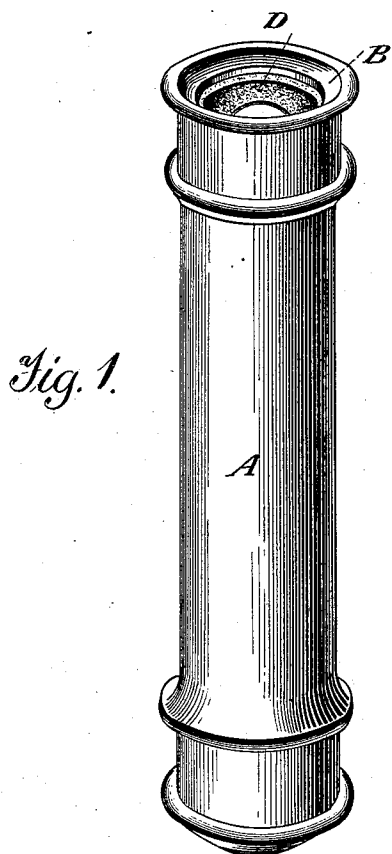
(No Model.)

F. E. BENTON.

WHIP SOCKET.

No. 367,179.

Patented July 26, 1887.



Witnesses.

A. Ruppert,
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Inventor.

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UNITED STATES PATENT OFFICE.

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WHIP-SOCKET.

SPECIFICATION forming part of Letters Patent No. 367,179, dated July 26, 1887.

Application filed December 29, 1886. Serial No. 222,663. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS E. BENTON, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Whip-Sockets; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

The invention has for its object to secure the rubber clasp of a whip-socket so that it will have ample freedom of play, but be always kept in its place. In order to accomplish this I construct two shoulders on the inside of the socket, and upon one of these support a spiral spring, on which the rubber clasp rests and by which it is yieldingly held up to its place against a superposed ring on the inside of the socket.

The invention will first be described in connection with the drawings, and then pointed out in the claim.

Figure 1 of the drawings is an elevation in perspective; Fig. 2, a section elevation made in a vertical plane and diametrically. Fig. 3 is a group of detail views showing the ring, spring, and clasp.

In the drawings, A represents my whip-socket, which may be made in one or more sections. B is the ring, C the spring, and D the rubber clasp. The latter is expected to keep the whip in a perpendicular line, and in order

to do so requires means which shall keep it always horizontal and in its intended place. When the whip is thrust into the socket, it tends to push it downwardly out of place, while when pulled up the whip tends to drag the clasp out. As soon as the whip is down in the socket the spiral spring C, which bears upon the under side of the clasp near its circumference, raises it up against the inside ring, B, which prevents it from being pulled out of place when the whip is removed.

The spring C is supported upon the socket-shoulder *a* and the clasp D upon the spring, while the ring B fits inside the socket and is glued above the clasp. By this construction the clasp has the required play, and is always kept against the ring B, while the inner face of the socket tapers from the shoulder *a* down to the bottom hole, *a'*, so as to support the butt of whip and allow moisture or dust to escape.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new, and desire to protect by Letters Patent, is—

A whip-socket having a spiral spring supported upon the shoulder *a*, a rubber clasp resting on the spring, and an inside fastening above the clasp, substantially as shown and described.

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

FRANCIS E. BENTON.

Witnesses:

CHAS. STEERE,

WALTER J. WHISTON.