

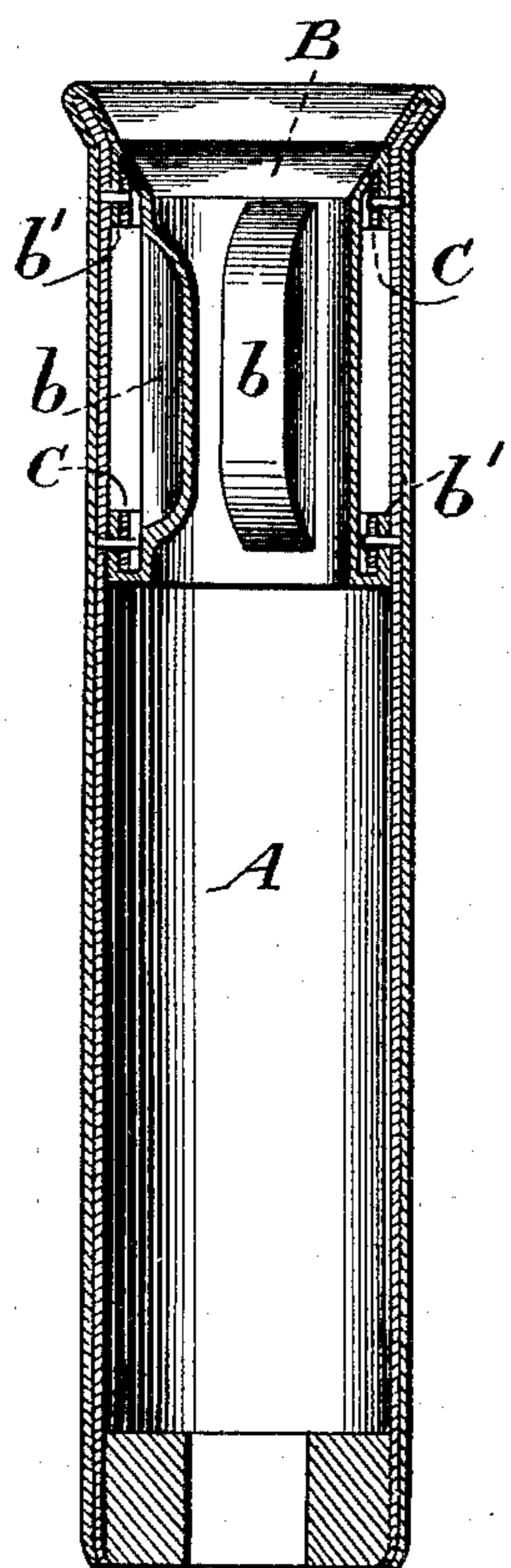
(No Model.)

F. E. BENTON.  
WHIP SOCKET.

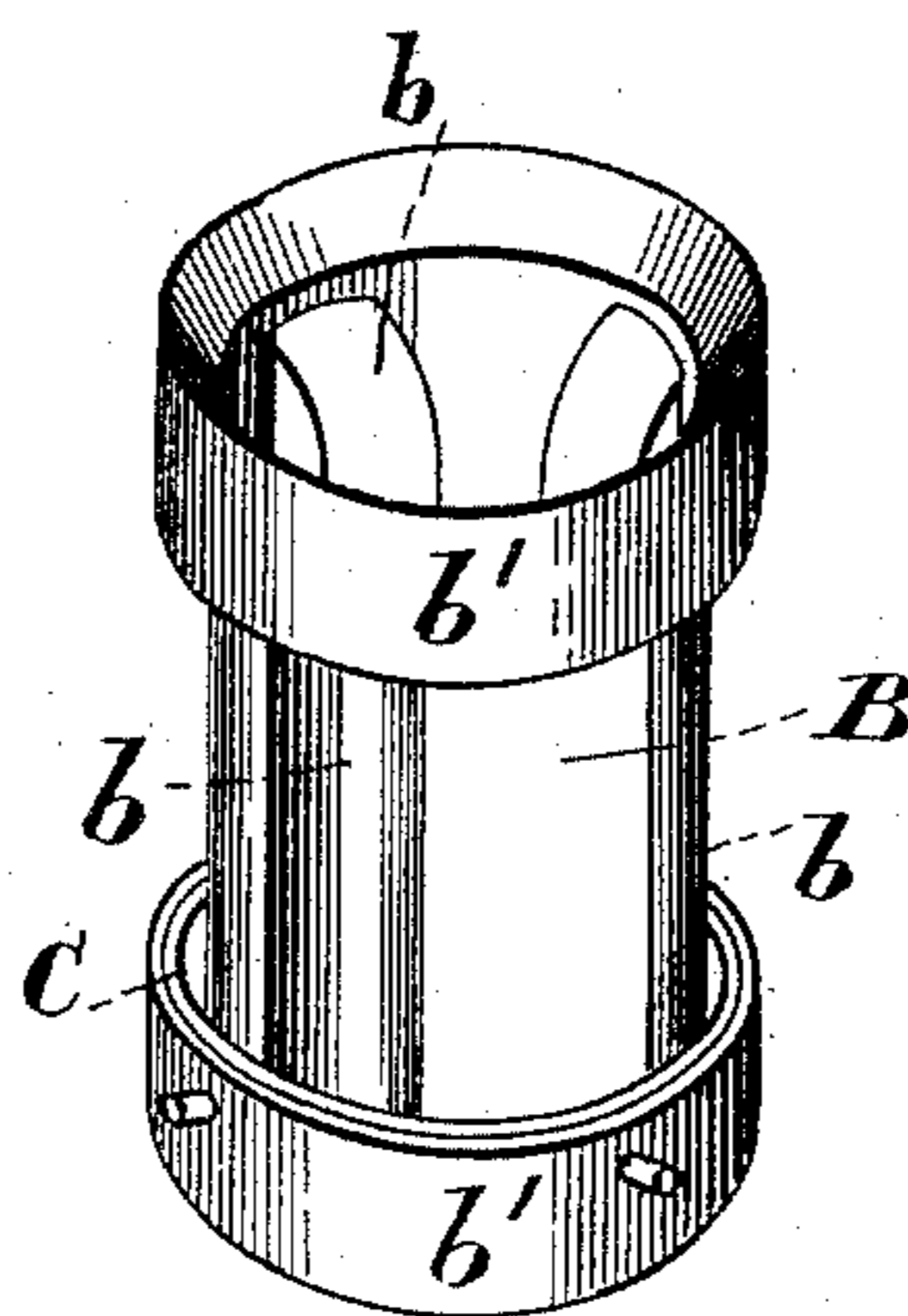
No. 482,717.

Patented Sept. 20, 1892.

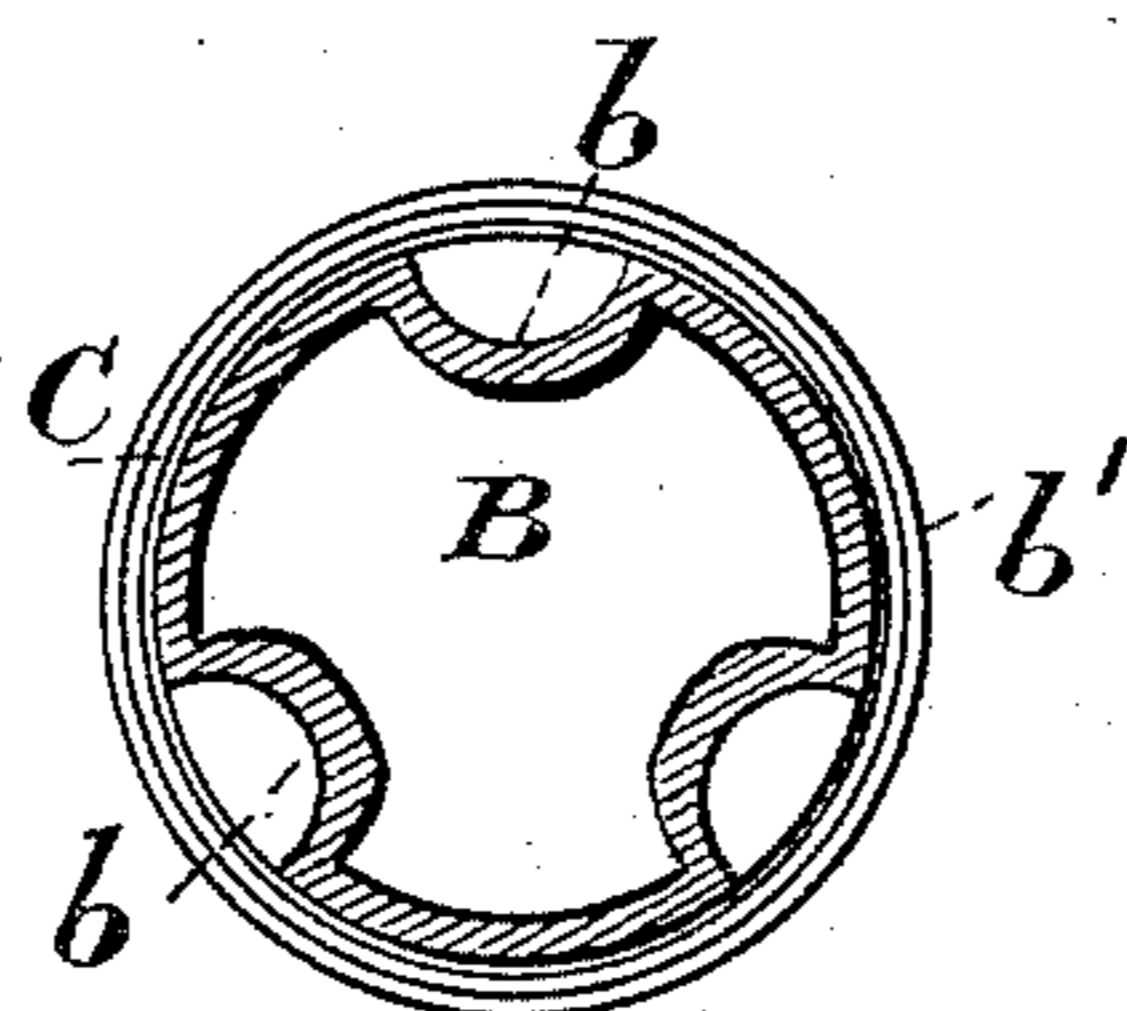
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses.*  
*A. Ruppert.*  
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*Inventor.*  
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# UNITED STATES PATENT OFFICE.

FRANCIS E. BENTON, OF STOUGHTON, MASSACHUSETTS.

## WHIP-SOCKET.

SPECIFICATION forming part of Letters Patent No. 482,717, dated September 20, 1892.

Application filed April 12, 1892. Serial No. 428,828. (No model.)

*To all whom it may concern:*

Be it known that I, FRANCIS E. BENTON, a citizen of the United States, residing at Stoughton, in the county of Norfolk and State of Massachusetts, have invented certain new and useful Improvements in Whip-Socket Clasps; and I do hereby 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.

The special object of the invention is to improve the elastic clasp used in whip-sockets for the purpose of holding the butt-end of the whip, so that the whip may not be drawn out of the socket or the clasp permitted to be turned or carried out with the whip.

Figure 1 of the drawings is a vertical section of a whip-socket provided with my improved clasp; Fig. 2, a detail perspective view of the clasp itself, and Fig. 3 a horizontal section thereof.

In the drawings, A represents a whip-socket, which is flared at the mouth or upper end and provided with an ornamental leather covering fitted to the metallic tube in the usual way.

B represents my clasp, made of one solid block of rubber molded so that each end shall fit snugly in the socket, while the middle or body is made of sufficiently less diameter

to leave a space between it and the socket A. It has the inwardly-extending longitudinal corrugations *b*, which grip the butt of the whip, are convex on the inside, and concave on the outside. It is also provided at the outside of the ends with the oppositely-extending flanges *b' b'*, under one or both of which I insert a metallic band C, which is riveted both to the flange *b'* and the socket A. Thus it will be seen that the solid-rubber clasp B has its end flanges made fast to the socket, so that it cannot turn or draw out with the whip, while the space between the body and socket leaves plenty of room for expansion and contraction.

What I claim as new, and desire to protect by Letters Patent, is—

A whip-socket clasp made of a single block of rubber molded to fit snugly at top and bottom, there provided with oppositely-extending outer flanges and metallic bands, the clasp-body being of less diameter than the ends, with longitudinal corrugations convex on the inside and concave at the rear, substantially as shown and described.

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

FRANCIS E. BENTON.

Witnesses:

EUGENE H. MOORE,  
W. E. HAWES.