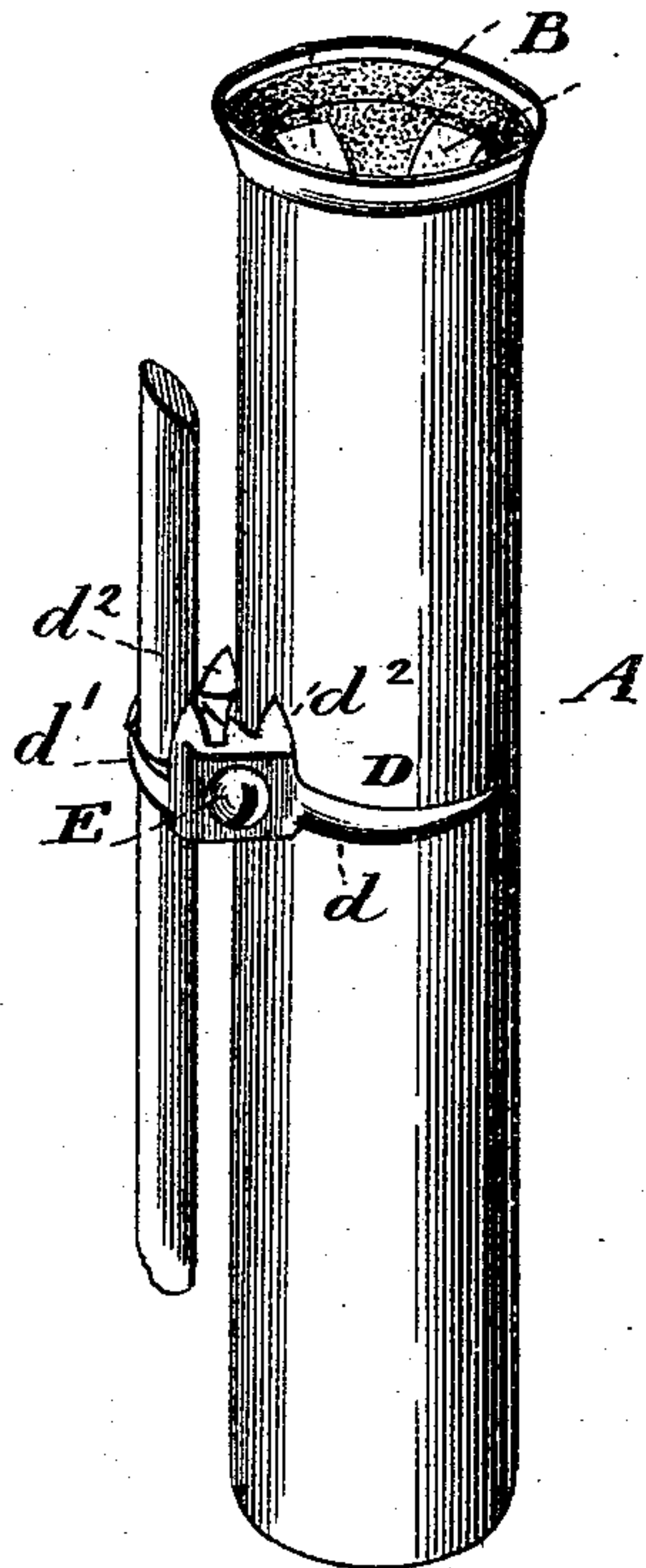


(No Model.)

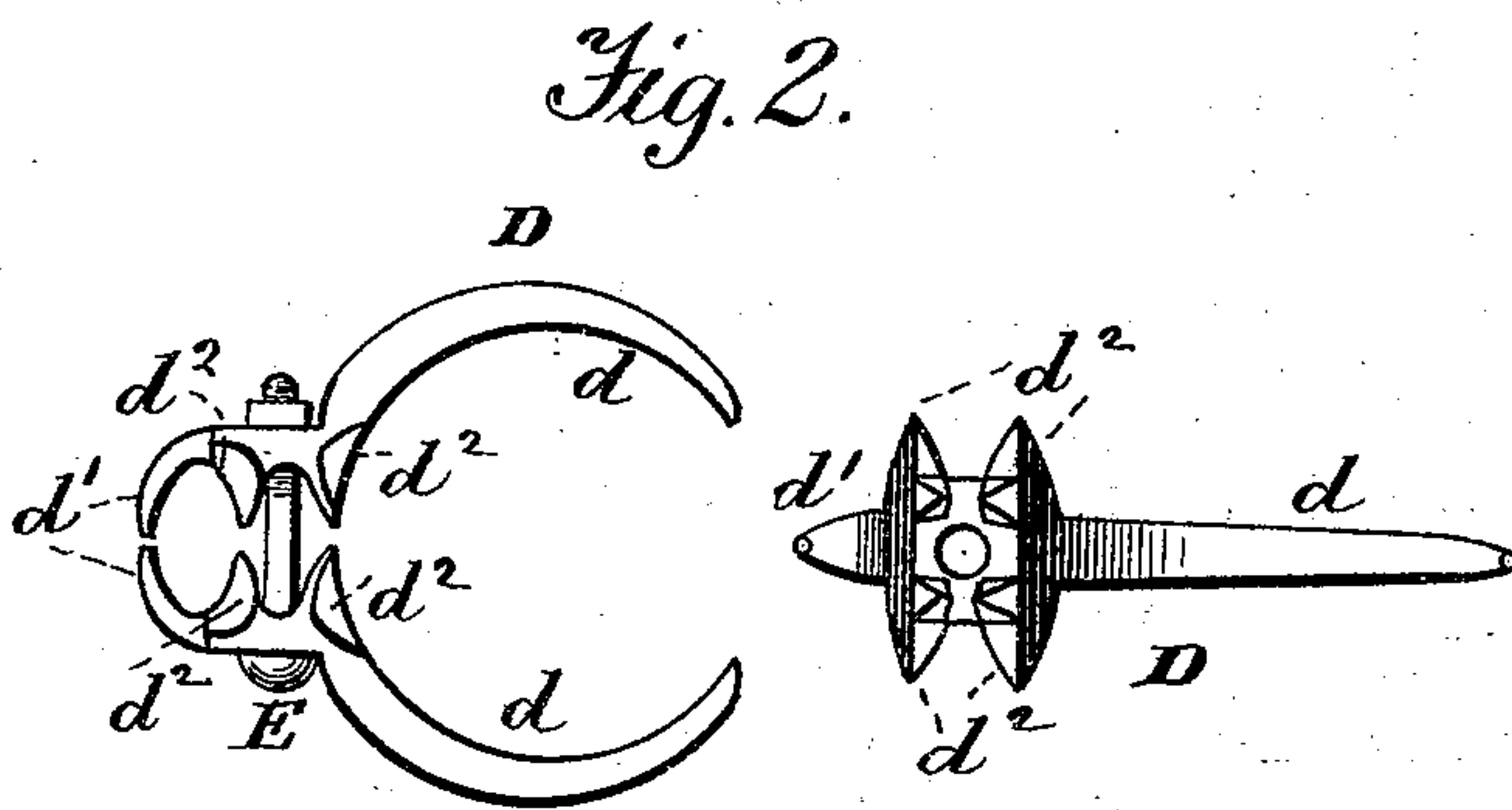
F. E. BENTON.  
WHIP SOCKET FASTENER.

No. 488,109.

Patented Dec. 13, 1892.



*Fig. 1.*



*Fig. 2.*

*Witnesses.*  
*A. Ruppert.*  
*H. A. Daniels.*

*Inventor.*  
*Francis E. Benton*  
*Per*  
*Thomas P. Simpson*  
*Atty.*

# UNITED STATES PATENT OFFICE.

FRANCIS E. BENTON, OF STOUGHTON, MASSACHUSETTS.

## WHIP-SOCKET FASTENER.

SPECIFICATION forming part of Letters Patent No. 488,109, dated December 13, 1892.

Application filed November 18, 1891. Renewed November 18, 1892. Serial No. 452,472. (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 Fasteners; 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 invention relates to metallic whip-sockets covered with leather; and it consists in constructing the clamp which fastens the socket to the dash-rail so that the fastener will not rock in any direction.

Figure 1 of the drawings is a perspective view showing the socket and dash-rail connected by the fastener, so that the whip will be held perpendicularly; Fig. 2, a detail view of the fastener.

In the drawings, A represents a leather-covered metallic socket flared at the upper end, into which is fitted the tubular rubber B to clasp the whip and prevent it from moving about in the socket or jumping out.

D represents the fastener, which has the

usual jaws  $d\ d$ , which embrace the socket, and the jaws  $d'\ d'$  to clasp the dash-rail, the opposite jaws being made to clamp them by means of a screw E, passing through holes between the jaws  $d$  and  $d'$ . What I have done is to support the rail and socket by means of the prongs  $d^2$ , so that the tendency of the fastener to rock or turn in any direction and destroy the perpendicular of the socket is effectually prevented.

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—

The described fastener for whip-sockets, having the curved arms or jaws  $d\ d$  for holding the whip-socket, jaws  $d'\ d'$  for clamping the dash-rail, the vertical prongs  $d^2\ d^2$ , and an attaching-screw for holding the arms together and to a dash-rail, substantially as described.

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

FRANCIS E. BENTON.

Witnesses:

EUGENE H. MOORE,  
HOBART MOORE.