

W. W. RICHARDSON.
Whip-Sockets.

No. 151,798.

Patented June 9, 1874.

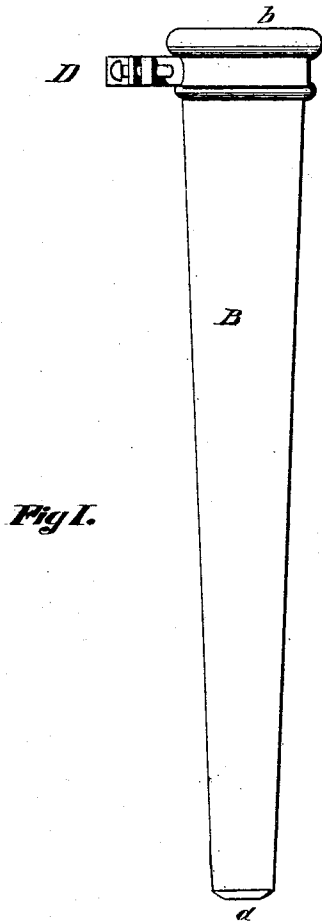


Fig I.

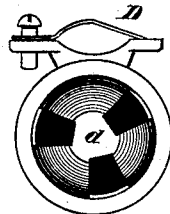


Fig III.

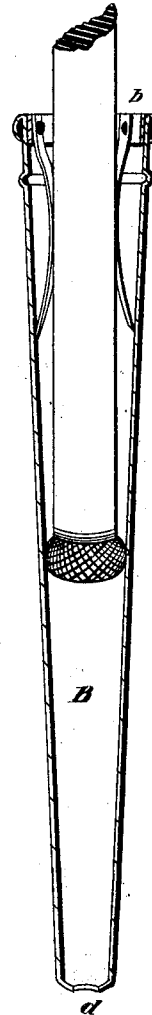


Fig II.

Witnesses

E. Dudley Chapin
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W. W. Richardson
by his Attys

Gardner & Hyde

UNITED STATES PATENT OFFICE.

WILLIAM W. RICHARDSON, OF WESTFIELD, MASSACHUSETTS, ASSIGNOR OF
ONE-HALF HIS RIGHT TO GEORGE L. LAFLIN, OF SAME PLACE.

IMPROVEMENT IN WHIP-SOCKETS.

Specification forming part of Letters Patent No. **151,798**, dated June 9, 1874; application filed
March 14, 1874.

To all whom it may concern:

Be it known that I, WILLIAM WARREN RICHARDSON, of Westfield, Hampden county, State of Massachusetts, have invented certain Improvements in Whip-Sockets, of which the following is a specification:

The objects and nature of my invention are fully illustrated in the accompanying drawings, of which—

Figure I is an outside view of my socket; Fig. II, a vertical section, showing the socket holding a whip; and Fig. III is an end view.

B is the barrel of the socket, which I form of sheet metal, and so as to taper from its mouth to its apex *d*, which I leave open to permit the escape of water, and, being formed of sheet metal, I am able to construct it of a single sheet, having the overlapping edges properly secured. By means of extending the taper to form a cone or pyramidal holder of unusual length, I am enabled to dispense with the necessity of fitting a bottom to the socket, as the smallest whip-handle will find a bearing before reaching the bottom of the socket, while of necessity a larger whip-handle will bear at a point nearer its mouth.

In order to secure the whip from being girdled

by the mouth of the socket, or from jolting out of it, I provide the mouth with springs, as shown in the drawing, which bear against the whip-handle to hold it.

The mouth *b* I make large enough to admit the butt of the largest-sized whip, while the butt of the smallest-sized carriage or riding one will bear against the tapering sides at a point between the mouth *b* and bottom *d*. Thus any size of whip-handle will be securely held within the socket by having its end supported by the taper walls beneath and around it, while prevented from rising or having any rotary motion by the spring in the mouth of the socket.

By this method of construction, I obtain a socket in which a whip-handle of any size is self-adjusting, and which at no time contains any parts to rattle or become deranged by use.

Now, having described my invention, what I claim is—

The tapering whip-socket B, of sheet metal, having springs *b*, all combined as described.

WILLIAM WARREN RICHARDSON.

Witnesses:

R. F. HYDE,
G. L. LAFLIN.