J. H. SUNDERMAN.

WHIP-SOCKET.

No. 193,100. Patented July 17, 1877.

Fig. 1.

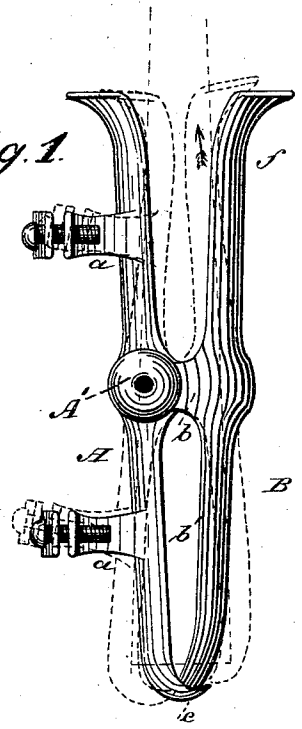


Fig. 2.

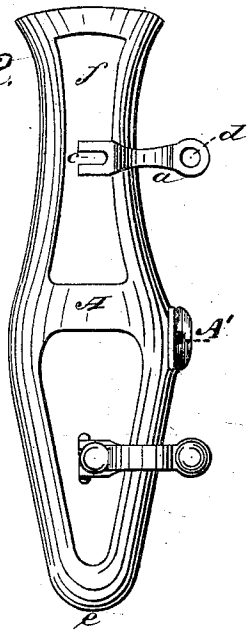


Fig 3

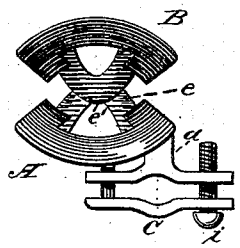
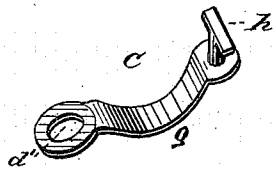


Fig. 4.



Attest.

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UNITED STATES PATENT OFFICE.

JOHN H. SUNDERMAN, OF QUINCY, ILLINOIS.

IMPROVEMENT IN WHIP-SOCKETS.

Specification forming part of Letters Patent No. 193,100, dated July 17, 1877; application filed February 6, 1877.

To all whom it may concern:

Be it known that I, JOHN H. SUNDERMAN, of Quincy, in the county of Adams and State of Illinois, have invented certain new and useful Improvements in Whip-Sockets; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side elevation, Fig. 2 is a rear elevation, Fig. 3 is a top plan, and Fig. 4 is a perspective view, of my improved fastener detached.

Similar letters of reference indicate corresponding parts in all the figures.

My invention relates to that class of whip-sockets which consist of two pieces hinged together, one of the pieces provided with fastening devices by which it may be secured upon the dash-board rail; and it consists in an improved construction and arrangement of the parts, substantially as hereinafter more fully described, and pointed out in the claim.

In the drawing, A B denote the two parts of the socket. Both of these pieces consist of a metallic skeleton-frame, the shorter piece B having a projecting arm, *b*, by which it is hinged to the side of the longer piece A. Cast in one piece with frame A are two brackets, denoted by *a a*, having each a notch, *c*, at one end, and a screw-threaded hole, *d*, at the other end. These brackets are curved, as shown in Fig. 3, so as to fit the dash-board rail, to which the socket is secured when in use. The longer piece A terminates in a lip, *e*, bent in under the lower part of the other swinging piece B, and both the pieces A and B are bent outward at their upper or top end, so as to form, when united, a flaring or bell-shaped mouth for the ready insertion of the whip.

It will be observed, by reference to Fig. 1, that the swinging piece B is hinged, by its arm *b*, a little below its middle, and that the widest part of the socket is at the hinging-point *b'*, both the pieces A and B tapering or sloping gradually toward the top and bottom, as shown, so as to form a narrow or contracted neck, *f*, just below the bell-shaped mouth.

The fastening device C consists of a small casting of the shape represented in Fig. 4. *g* is a piece of a size, and bent, to correspond to the brackets *a a* on the socket-piece A, having a downwardly-projecting T-shaped lug, *h*, the shank of which fits into the notch *c* in bracket *a*. At the other end there is a hole, *d'*, corresponding to *d*. *i* is a screw, by which the casting C is secured to its corresponding bracket on the socket-piece.

The advantages of this construction are as follows: First, by casting the socket-piece A and fastening-brackets *a a* in one piece, in the manner shown and described, the socket will stand out to one side of, and away from, the dash-board, so that there is no danger of striking against the board, and scratching or otherwise injuring the japan when the whip is hurriedly inserted into the socket; second, the short arm *b*, by which the swinging piece B is hinged onto A, gives this piece an upward motion when the butt of the whip strikes against its lower part *b'*, as shown in dotted lines, thereby enabling it to get a firmer gripe around the whip by pressing it tighter against the bell-shaped mouth of the rigid socket-piece A; and, third, the lip *e'* of the shorter socket-piece B, fitting in over the curved lip *e* of the piece A, enables the socket to hold a whip however small or slender, as it cannot fall out through the bottom of the socket even if the two jaws or pieces of this are opened to their fullest capacity.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination of the socket-piece A, having brackets *a a*, pin A', and lip *e*, with the swinging jaw B, having arm *b*, and lip *e'*, substantially as and for the purpose shown and described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOHN H. SUNDERMAN.

Witnesses:

WILLIAM R. DODD,

P. A. HELMER.