

(No Model.)

2 Sheets—Sheet 2.

R. A. HARTLEY.
WHIP SOCKET.

No. 586,491.

Patented July 13, 1897.

FIG. 3.

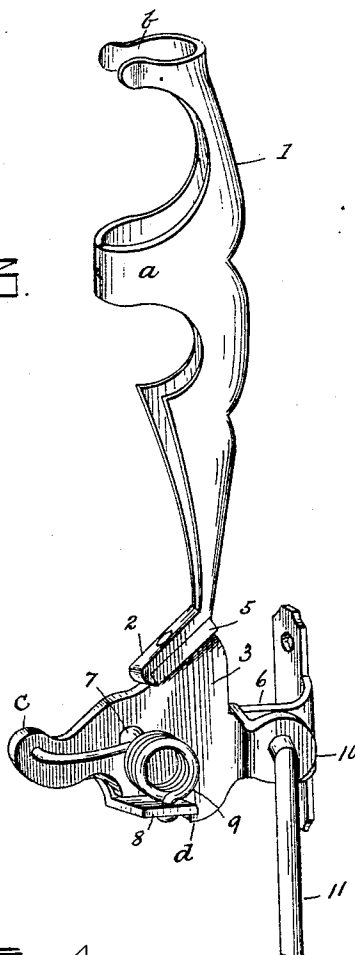
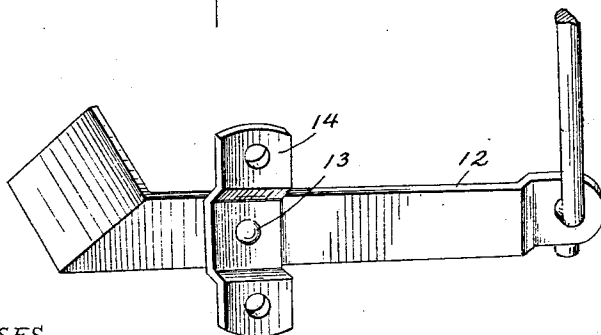


FIG. 4.



WITNESSES
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ROBERT ALFRED HARTLEY, OF BRANTFORD, CANADA.

WHIP-SOCKET.

SPECIFICATION forming part of Letters Patent No. 586,491, dated July 13, 1897.

Application filed March 16, 1897. Serial No. 627,762. (No model.)

To all whom it may concern:

Be it known that I, ROBERT ALFRED HARTLEY, a subject of the Queen of Great Britain, residing at Brantford, in the Province of Ontario and Dominion of Canada, have invented certain new and useful Improvements in Whip-Sockets; 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.

By securing a whip in the ordinary socket attached to the inner side of the dashboard of a vehicle said whip is often located out of the reach of a person sitting in an easy upright position, requiring him to lean forward in taking hold of the whip. Especially is this the case in sleighing, where the occupant of the sleigh is usually well wrapped up with lap-ropes and in leaning forward to reach the whip displaces the robes. In order to obviate these objectionable features of the rigid or stationary whip-socket I have devised one that can be operated to tilt the whip backward, and thereby bring it within easy reach, and to this end the whip-socket is pivoted or hinged to its support and means connected for swinging the same upon its pivot, as hereinafter fully described in the specification and set forth in the claims.

In the accompanying drawings, Figure 1 is a view showing the application of my invention. Fig. 2 is a front view of the whip-socket and support to which it is connected, including the bracket. Fig. 3 is a side elevation of Fig. 2. Fig. 4 is a detail view of the means employed for swinging the socket upon its connections.

Referring to the drawings by letters and figures, 1 designates the socket proper, which is of any particular construction to receive the butt-end of an ordinary whip, the construction of the socket shown providing for its being stamped from a single plate, which is bent upon itself to present the band *a* and spring members *b*, which embrace the whip, the lower end or foot 2 of said socket being inclined and the terminal bent at an angle, as shown. The inclined foot 2 presents a surface upon which the butt-end of the whip rides to hold the upper end in proper engagement with the socket, said foot also provid-

ing a means by which the socket is connected to this support or swinging plate by means of a rivet 4. This plate 3 is provided with the projection 5, which is inclined to correspond with the inclination of the foot of the socket to which it is attached, as hereinbefore stated, and said plate is pivoted to the projecting arm 6 of a bracket by means of the bearing-pin 7 to have a swinging movement with respect to said bracket. The bracket may be of any approved construction, and it is obvious that the socket could be connected in swinging engagement by having the plate 3 hinged to the projecting arm of the bracket, it only being necessary that the socket have a tilting movement for the purpose hereinafter more fully explained.

The projecting arm of the bracket is provided with a lateral extension 8, which forms a stop for limiting the throw or tilting movement of the whip-socket by engagement of the plate 3 therewith, and for this purpose the plate has a projection *c*, which limits the throw in one direction by engaging the outer edge of the extension 8, and the shoulder *d*, which engages the inner edge of said extension to limit the opposite movement, which positions the whip-socket in an upright position. In order to bring the whip-socket to a normally-upright position, I provide a helical spring 9, which is located upon the extension 8 of the bracket and is secured thereto at one end with the inner or opposite end extended to engage the projection *c* of the swinging plate, the latter having an ear 10 out of line with the body of the plate and pierced transversely to receive the bent end of a rod 11, by which the swinging plate is operated against the action of the spring. This rod 11 is connected to one end of an operating-lever 12, fulcrumed at an intermediate point upon a pin 13, carried by a metal strap 14, the end of said lever opposite its connection with the rod being turned outward at an angle, as shown, to form a rest or enlarged surface to receive the toe of the operator's foot.

The device hereinbefore described is attached to a vehicle by locating the whip-socket on the dashboard in the usual place, and the operating-lever 12 is positioned below the socket by attaching the metal strap

(No Model.)

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No. 586,492.

Patented July 13, 1897.

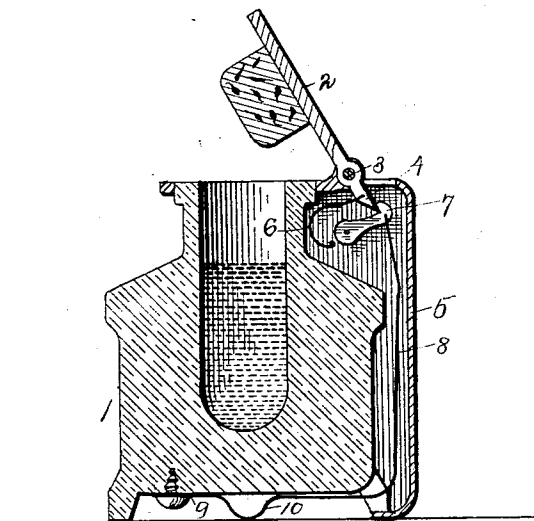


FIG. 1.

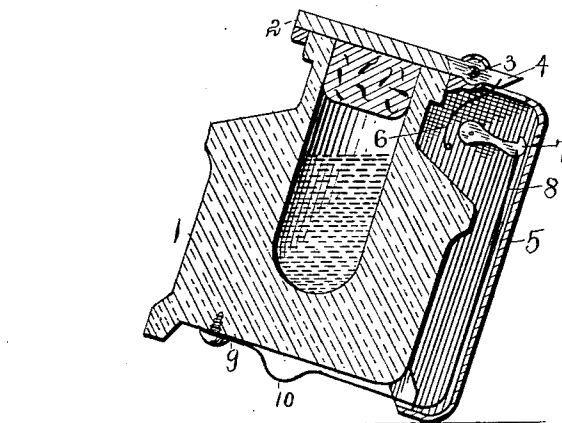


FIG. 2.

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