W. HUGHES & J. K. ALEXANDER.

WHIP-SOCKET.

No. 173,859. Patented Feb. 22, 1876.

Fig: 1.

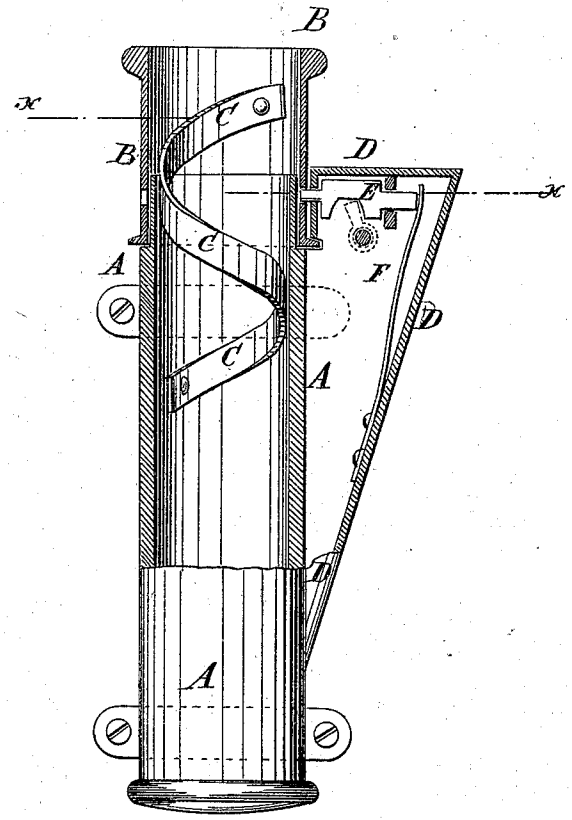
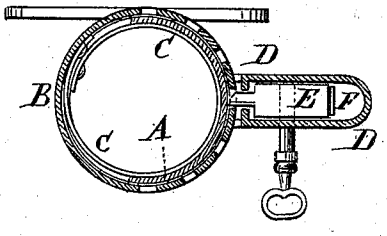


Fig: 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM HUGHES AND JOSEPH K. ALEXANDER, OF MINERVA, OHIO.

IMPROVEMENT IN WHIP-SOCKETS.

Specification forming part of Letters Patent No. **173,859**, dated February 22, 1876; application filed January 29, 1876.

To all whom it may concern:

Be it known that we, WILLIAM HUGHES and JOSEPH K. ALEXANDER, of Minerva, in the county of Stark and State of Ohio, have invented a new and useful Improvement in Whip-Sockets, of which the following is a specification:

Figure 1 is a side view of our improved whip-socket, partly in section, to show the construction. Fig. 2 is a cross-section of the same, taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved whip-socket which shall be so constructed as to enable the whip to be locked in it when desired, and which shall be simple in construction and convenient in use.

The invention consists in the combination of a coiled spring and a lock with a whip-socket made in two parts, turning upon each other, as hereinafter fully described.

A is the lower or main part of the socket, the upper end of which is rabbeted upon the outer side to receive the lower end of the upper part B. Within the socket A B is placed a spiral spring, C, which makes one or more turns around the inner surface of the said socket. One end of the spring C is attached to the lower part A of the socket, and its other end is attached to the upper part B, so that by turning the upper part B in the direction to coil the spring C, the said spring C will be drawn together to grasp the handle of the whip and prevent it from being withdrawn from the socket.

To one side of the socket A is attached a case, D, in which is placed a bolt, E, held forward by a spring, F. The end of the bolt E passes into a hole of a circle of holes in the upper part B of the socket A B. One side of the engaging-end of the bolt E is beveled off, as shown in Fig. 2, so that when the part B of the socket is turned in the direction to coil the spring C the said part will push back and slip past the end of the bolt, which bolt will again spring into a hole of said part B and lock it in position.

With this construction the part B cannot be turned back to uncoil the spring and release the whip without first drawing back the bolt E with a key inserted through a key-hole in the case D.

Having thus described our invention, we claim as new, and desire to secure by Letters Patent—

The combination of a coiled spring, C, and a lock, D E F, with a whip-socket made in two parts, turning upon each other, substantially as herein shown and described.

WILLIAM HUGHES,
JOSEPH K. ALEXANDER.

Witnesses:
GEO. P. DAVIS,
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