O. BRECKENRIDGE.

WHIP.

No. 192,617. Patented July 3, 1877.

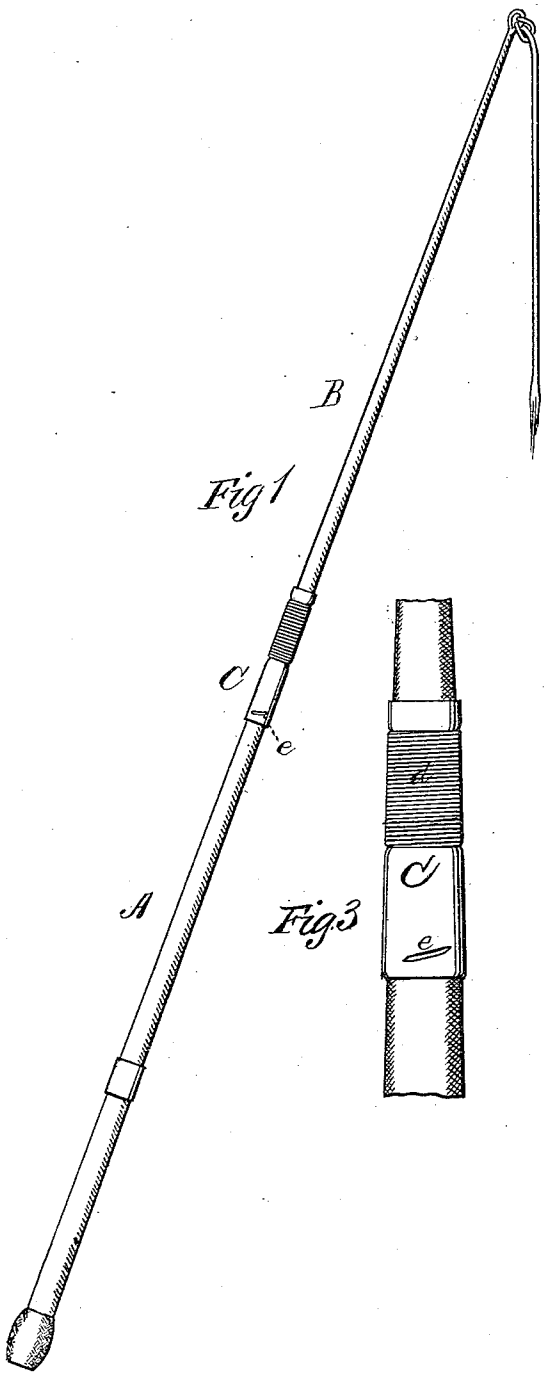


Fig 1

Fig 3

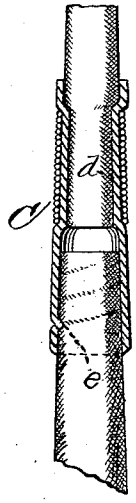


Fig 2

WITNESSES

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UNITED STATES PATENT OFFICE.

ORLO BRECKENRIDGE, OF WESTFIELD, MASSACHUSETTS.

IMPROVEMENT IN WHIPS.

Specification forming part of Letters Patent No. 192,617, dated July 3, 1877; application filed April 14, 1877.

To all whom it may concern:

Be it known that I, ORLO BRECKENRIDGE, of Westfield, in the county of Hampden and State of Massachusetts, have invented a new and valuable Improvement in Socket-Connections for Whips; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side view of a whip, showing this invention. Fig. 2 is an enlarged sectional view of the coupling-joint. Fig. 3 is a side view of the coupling detached.

This invention has relation to the construction of whips; and it consists in a whip-joint socket or coupling, having one or more inwardly-projecting oblique ribs or corrugations, formed by indentation, which, acting as a screw-thread, will carry the stock home in the socket when inserted therein and turned, as will be hereinafter more fully explained.

In the accompanying drawings, the letter A designates the stock of the whip, and B the tip. C represents the coupling sleeve or socket, made slightly tapering in form from its lower end or mouth toward the base of the tip, to which it is attached securely by means of a constricted neck-portion, *d*, or otherwise. On the inside of said socket is formed an oblique elongated rib or projection, *e*, by indentation, which serves, when the small end of the stock is inserted in the mouth of the socket and turned, to carry the same home in the coupling. At the same time the taper of the socket causes the stock to fit neatly, leaving no room for the latter to work in the coupling when turned home. It may, in some cases, be advisable to form more than one inside projection.

What I claim as my invention, and desire to secure by Letters Patent, is—

A whip-joint coupling or socket, having one or more oblique lengthened projections, *e*, on the inside, formed as described, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ORLO BRECKENRIDGE.

Witnesses:

JOSEPH A. MCBURNEY,

CHAS. E. CURTISS.