

(No Model.)

J. W. MIDDLETON.
WHIP.

No. 437,127.

Patented Sept. 23, 1890.

Fig. 1.

Fig. 2.

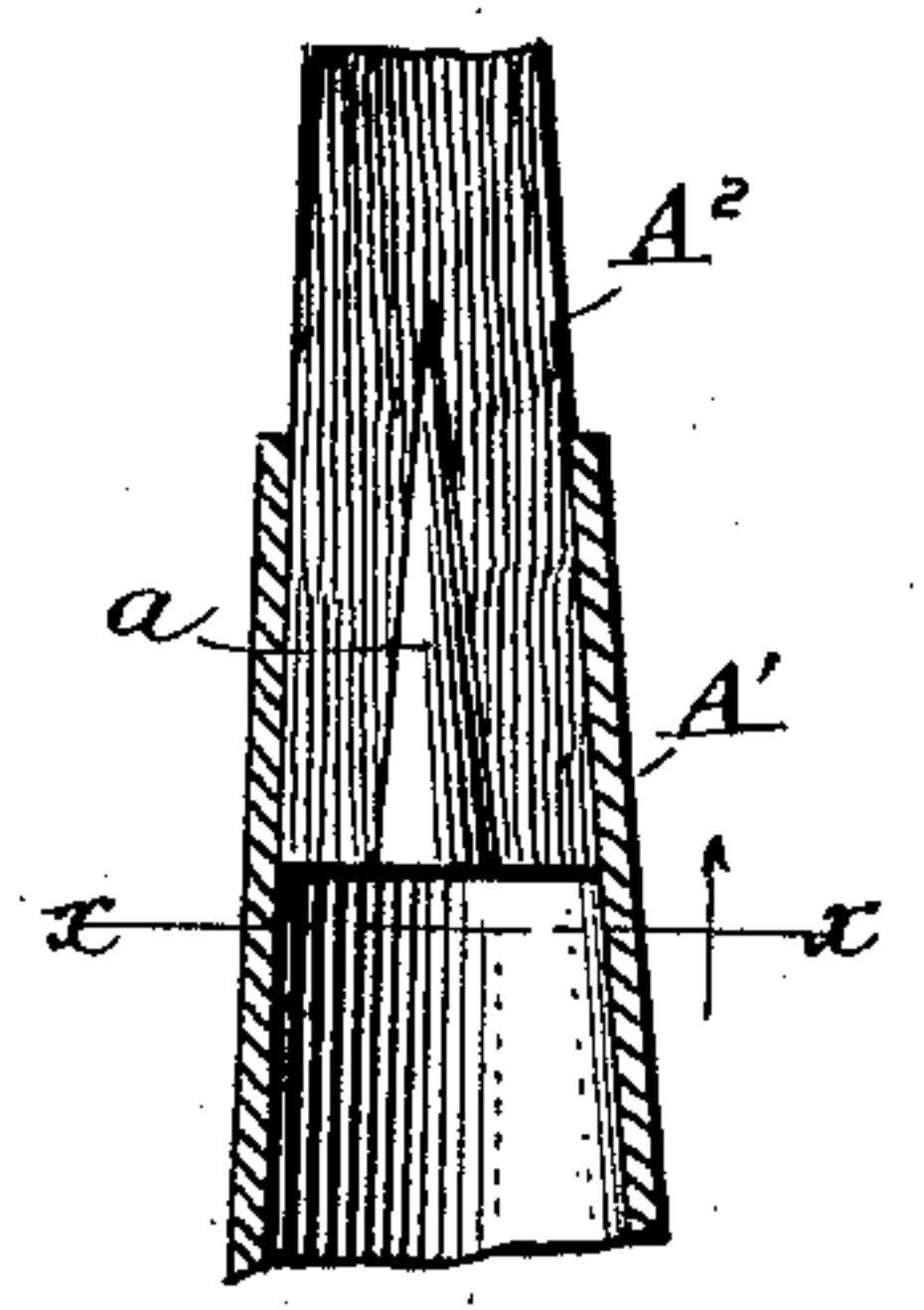


Fig. 3.

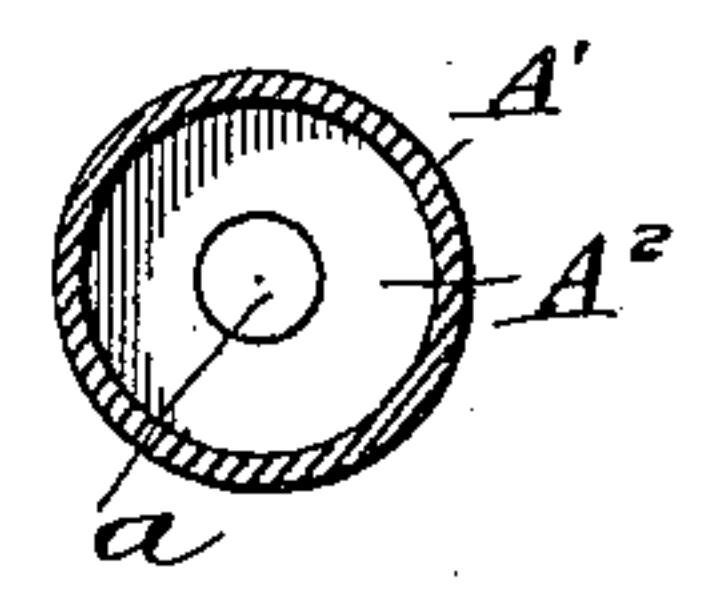
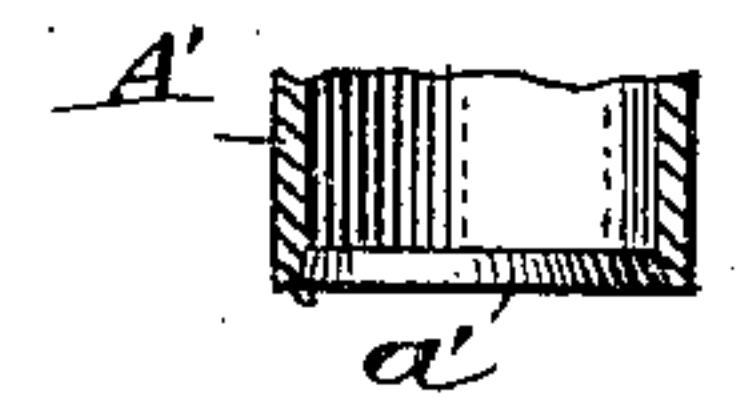


Fig. 4.



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WHIP.

SPECIFICATION forming part of Letters Patent No. 437,127, dated September 23, 1890.

Application filed June 23, 1890. Serial No. 356,367. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. MIDDLETON, of Kingston, Jamaica, West Indies, have invented a new and Improved Whip, of which
5 the following is a full, clear, and exact description.

My invention relates to improvements in whips; and the object of my invention is to produce a whip that is extremely simple and inexpensive, that is strong and durable, and in which the handle and lash are attached together in such a manner that while they may be readily attached together or separated when desired they cannot accidentally become
15 detached.

To this end my invention consists in a whip having a hollow tapering handle or stock and a lash or thong having a thickened butt enclosed by the handle. This construction will
25 be hereinafter fully described, and specifically pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate
25 corresponding parts in all the figures.

Figure 1 is a side elevation of a whip embodying my invention with a portion broken away to show the connection between the stock and thong; Fig. 2, an enlarged detail showing in vertical section the connection of the stock and thong. Fig. 3 is a transverse section on the line xx of Fig. 2; and Fig. 4 is an enlarged detail, partly in section, showing the cover for closing the butt-end of the stock.
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The whip A is composed of the stock A' and lash or thong A². The stock A' is hollow and tapers from the butt upward. It is made, preferably, of light sheet-steel, but may be made of any suitable material and may be ornamented in any desired manner.
35

The thong A² may be made of any material suitable for the purpose and tapers from butt to point, and to keep the butt spread, so that it will always be the largest part of the thong,
45 a wedge a , preferably of metal, is inserted.

The butt of the stock A' has a cover a' hinged therein, so as to close the opening to the same. This cover is not, however, absolutely necessary, but it adds to the beauty of the whip.

To insert the thong in the stock, the cover a' is opened and the thong pushed point first through the stock and is drawn tightly to place. The thickened butt of the thong and the taper of the stock prevent the thong from
50 being drawn entirely through the stock, and it may be drawn tightly enough to place to prevent it from dropping back through the stock. As the whip is used the ordinary whipping motion will cause the thong to be drawn
55 more tightly to place.

To remove the thong when a new one is to be inserted, the thong may be cut off around the wedge a and the wedge and the butt of the thong forced back through the stock. If
60 the thong to be inserted in the stock is extremely limber, so that it cannot be readily pushed through, it may be weighted and dropped through the stock, and may then be easily drawn to place.

The whip may be made in any desired style and size, and from the foregoing description it will be seen that a new thong may be quickly and easily inserted in the stock when desired.

Having thus described my invention, I
65 claim as new and desire to secure by Letters Patent—

A whip comprising a hollow tapering stock having a removable cover at its butt-end, a thong adapted to fit closely in the small end
70 of the stock, and a wedge held in the butt of the thong to prevent its removal from the stock, substantially as described.

JOHN W. MIDDLETON.

Witnesses:

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