W. H. MILLIKIN.

WHIP.

No. 192,447. Patented June 26, 1877.

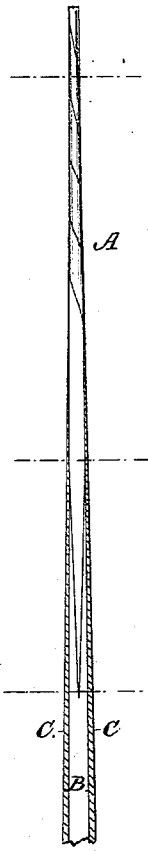


Fig. 1.

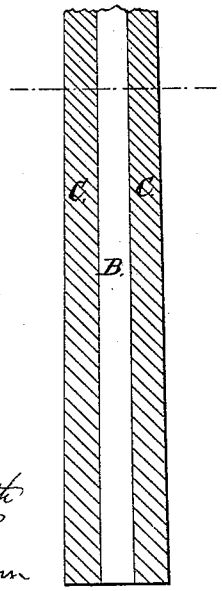


Fig. 2.

Fig. 3.



Fig. 4.



Fig. 5.

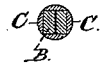
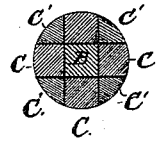


Fig. 6



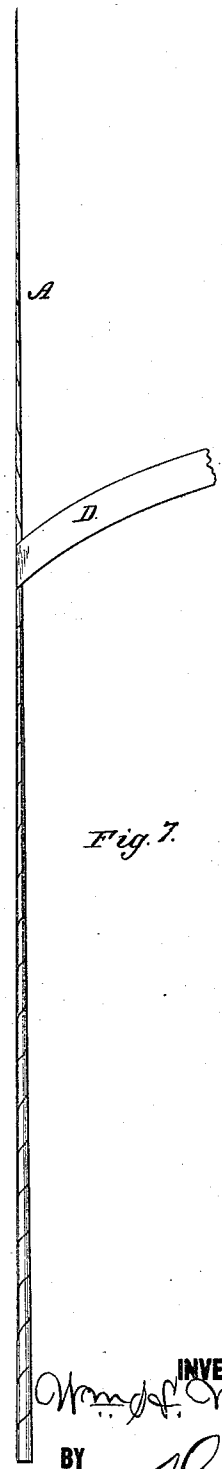


Fig. 7.

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN WHIPS.

Specification forming part of Letters Patent No. **192,447**, dated June 26, 1877; application filed June 13, 1877.

To all whom it may concern:

Be it known that I, WILLIAM H. MILLIKIN, of Baltimore city, State of Maryland, have invented a new and Improved Whip; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 is a view of the jointed portion of the whip-body with the stocking in longitudinal section. Fig. 2 is a similar view of the butt portion of the whip-body. Figs. 3, 4, 5, and 6 are cross-sections taken upon the lines opposite in Figs. 1 and 2; Fig. 7, a view of the whip-body, showing the application of the oiled fabric wound in reverse direction from the twist of the rawhide.

My invention relates to an improvement in carriage-whips; and it consists in combining a rawhide tip with a rattan core or wedge, and afterward stocking the same, then wrapping it with oiled silk or muslin in the reverse direction from the twist of the rawhide, and finally covering the whip with the finishing web, as hereinafter more fully described.

In the drawing, A represents the rawhide tip, and B the rattan core or wedge, which are united at a point near the middle of the whip, but slightly nearer the tip than the butt. The rattan core or wedge is made square, and has at its jointed end a central tapering wedge-shaped opening, such as is employed in joining the said core to whalebone tips, as ordinarily practiced. The tip is the regular solid rawhide, of suitable length, squared at its butt or larger end, as shown in Fig. 4, and terminating in a tapering wedge, which corresponds to and exactly fits the wedge-shaped opening in the rattan core, into which opening it is inserted and securely retained by gluing. The next step in the construction of the whip is the stocking of the same, which consists in applying to the flat sides of the rawhide and rattan strips C C′ for the sides and corners, which are made of rattan, and extend past the splice of the rawhide to strengthen the joint. This stocking, as thus applied, is glued in place, and then turned down to a round and smooth tapering body for the whip. About the whip-body, as thus formed, is then wrapped oiled muslin or silk in strips D, the wrapping being in the reverse direction from the twist of the rawhide. This wrapping may extend throughout the entire length of the whip, or it may be confined to the tip and middle portions only, if desired.

In relation to the advantages of the rawhide tip over the whalebone tip as commonly used, it does not split and fray out as does whalebone, and hence it forms a more durable whip. It does not, moreover, get permanently bent to one side, as does whalebone, and in uniting the tip to the rattan core the natural viscid gluey character of the rawhide permits a much more secure joint in gluing than does the dry and porous whalebone. The wrapping of the oiled silk or muslin also forms a protective binder for the entire whip, and, being wrapped in the reverse direction from the twist of the rawhide, the latter is not liable to become untwisted.

After the whip-body has been formed in accordance with my invention it is covered with the usual webbing or outside cover, the handle is loaded and finished, and a suitable cracker is attached to the tip.

Having thus described my invention, what I claim as new is—

A whip having a rawhide tip and a rattan stock, and provided also with a wrapping of fabric in strips wound about the whip-body in the reverse direction from the twist of the rawhide, substantially as described and for the purpose set forth.

WILLIAM H. MILLIKIN.

Witnesses:

WM. A. HALL,

JOHN MOORE.