

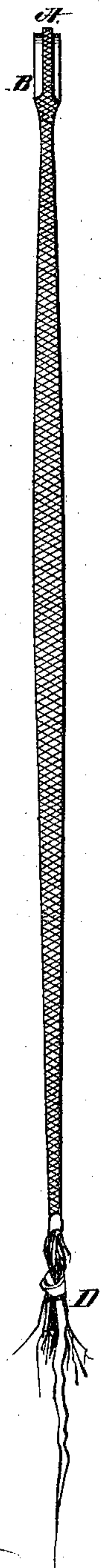
J. C. SCHMIDT.

Improvement in Whip-Lashes.

No. 131,975.

Patented Oct. 8, 1872.

*Fig I*



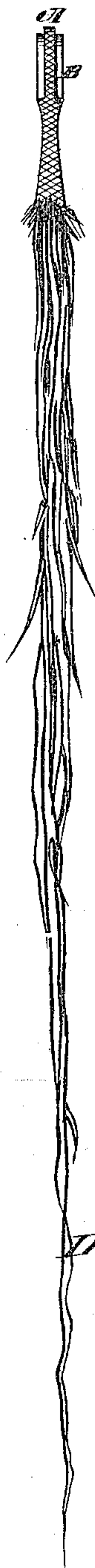
*Fig III*



*Fig IV*



*Fig II*



*Witnesses*  
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# UNITED STATES PATENT OFFICE.

JOHN C. SCHMIDT, OF WESTFIELD, MASSACHUSETTS.

## IMPROVEMENT IN WHIP-LASHES.

Specification forming part of Letters Patent No. **131,975**, dated October 8, 1872.

*To all whom it may concern:*

Be it known that I, JOHN C. SCHMIDT, of Westfield, Hampden county, State of Massachusetts, have invented an Improvement in Whip-Lashes, of which the following is a specification:

My invention consists in forming a whip-lash of one or more strips of rawhide or other leather, over which is woven the covering, the hide being extended at one end to form a re-enforce to the loop to which the handle is attached, while at the other it may be prolonged beyond the covering to either form the cracker itself or a loop by which to attach it; the object of my invention being to, by this combination, form a lash, the covering of which shall inclose a filling possessing in a high degree the qualities needed in a filling to insure the proper flexibility and strength of a lash and the uniformity in the surface of the woven covering, and which enables the lash to be made very strong at ordinarily weak points, *i.e.*, where the loop is formed, and where the cover ends or is supplemented by the cracker.

In the drawing, Figure I shows a view of a complete lash; Fig. II shows a partially-woven one; and Figs. III and IV are detail views of parts of my invention.

A is the woven loop, formed from an extension of the covering, and received within it at one end to secure it, which way of forming a loop of a detachment of the cover alone, or of any way of securing the loose end within the cover, I do not make claim to; but the lashes terminated by the unaided loop break at this point and become comparatively useless, while in my improved lash the main strand of hide alongside of or around which the others are

laid, or which may constitute the sole filling, is formed into a loop, B, over and in contact with which is the woven loop forming part of the cover, so that, while the general appearance of the lash is improved, the strain in using the lash does not come upon the woven fabric to distend or part it, but upon the strong fiber extending its whole length.

In lashes in which only one strand of hide is used it is formed to taper from the center each way to give the required shape; and where more are employed to make the filling, as shown in Fig. II, I vary their lengths from the center or swell of the lash toward the end having the cracker.

To form the cracker, or a loop to which to attach it, that shall not only relieve the cover from strain but secure it from being worn or becoming unraveled, I extend one strand, D, beyond the cover, and knot it over it, as seen in Fig. I.

In the lash in common use, having a filling of cotton or other similar material, the extremities have a tendency to break and unravel, and the filling, besides bunching within the cover, bends unequally in places within its length, while in my improved lash all of these defects are obviated.

Now having described my invention, what I claim is—

In combination with the woven covering, the filling of one or more strands of hide, and being extended to re-enforce the loop and form the cracker or its point of attachment, substantially as shown and described.

JOHN C. SCHMIDT.

Witnesses:

JOHN PEYSER,

GEORGE A. GOEBEL.