

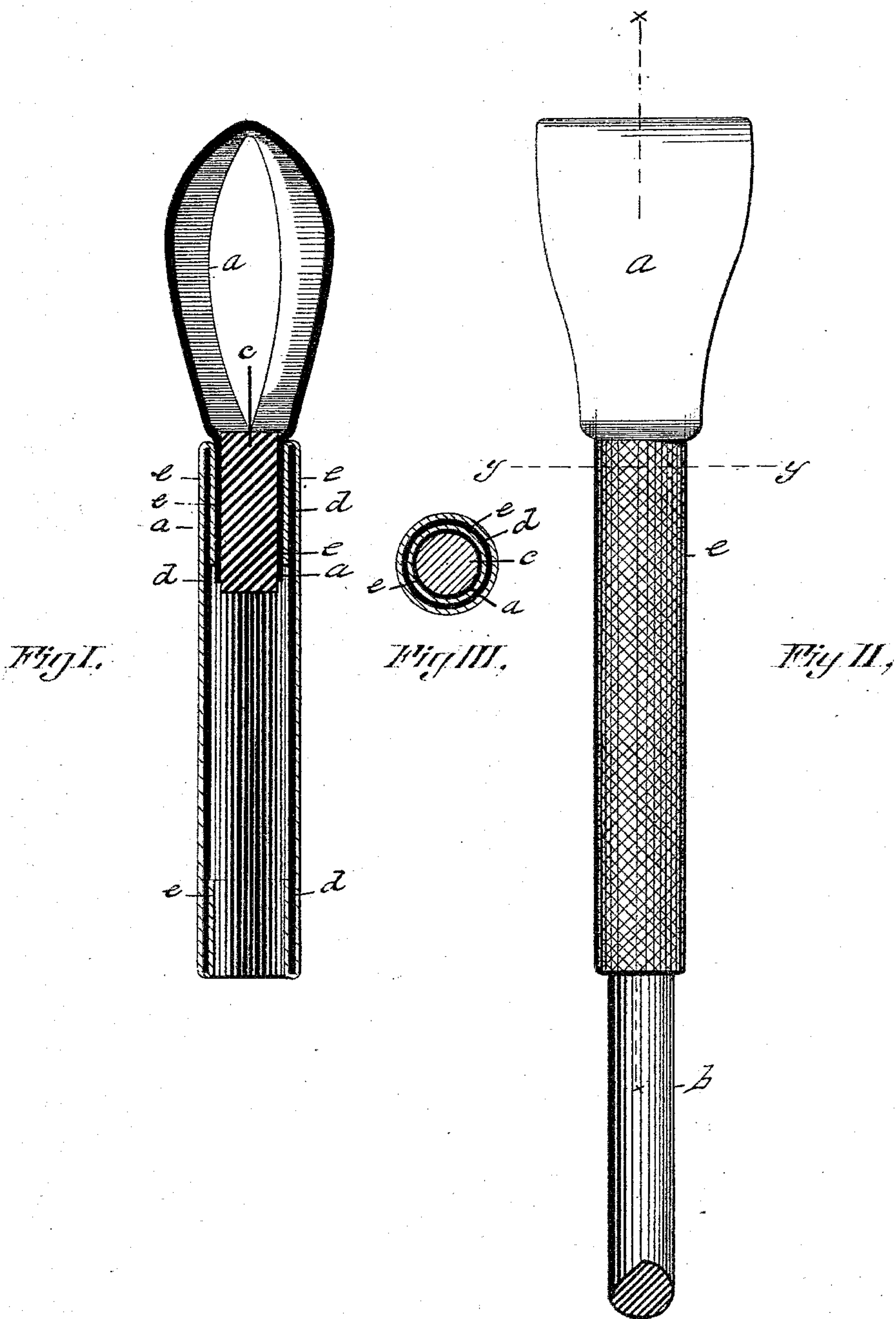
(No Model.)

H. MULLEN & J. NOBLE, Jr.

LOOP FASTENING FOR WHIPS.

No. 274,641.

Patented Mar. 27, 1883.



Witnesses,
H. A. Chapin
E. J. Hyde

INVENTORS,
Henry Mullen
James Noble Jr
by Henry A. Chapin

UNITED STATES PATENT OFFICE.

HENRY MULLEN AND JAMES NOBLE, JR., OF WESTFIELD, MASSACHUSETTS.

LOOP-FASTENING FOR WHIPS.

SPECIFICATION forming part of Letters Patent No. 274,641, dated March 27, 1883.

Application filed December 6, 1882. (No model.)

To all whom it may concern:

Be it known that we, HENRY MULLEN and JAMES NOBLE, Jr., citizens of the United States, residing at Westfield, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Loop-Fastenings for Whips, of which the following is a specification.

This invention relates to improvements in loop-fastening devices for whip-stocks, the object being to provide a whip having an improved loop-fastening, consisting of a braided-covered ferrule, having said braid folded into each end of said ferrule, and of a suitable loop and loop-fastening plug, as hereinafter set forth.

In the drawings forming part of this specification, Figure I is a view, partly in longitudinal section, of a lash-loop combined with fastening devices embodying our invention. Fig. II is a side elevation, including a section of the end of a whip-stock, showing the relation of the parts. Fig. III is a transverse section on the line *y y*, Fig. II. The section shown in Fig. I is about on the line *x x*, Fig. II.

In the drawings, *a* is the loop. *d* is a tube. *e* is a tube-covering. *c* is a plug, and *b* is the whip-stock. In the construction of the said improved loop-fastening we make a cylindrical tube, *d*, of any suitable material—such as wood, paper, or metal, or of leather—and plait or braid over it a covering, *e*, of the usual material employed in covering whips. In forming said covering on the tube we plait it upon a suitable former at each end, so that it shall be longer than the tube, to provide ends extending beyond each end of said tube, which ends are turned inward, as shown, thus covering and protecting each end of the tube, and forming a proper finish therefor, and at the same time greatly strengthening those parts thereof upon which the greatest strain is exerted when the loop is fastened to the tube,

and when the latter is secured to the whip and in use.

The loop *a* is made in the usual form and of the ordinary material, its two ends being adapted to be inserted into one end of the plaited tube *d*. A plug, *c*, is then driven tightly into the end of tube *d* between the said ends of loop *a*, whereby the latter are firmly secured to said tube. To make the union of the tube *d*, loop *a*, and plug *c* more perfect and firm, a suitable cement is applied to said parts previous to uniting them as aforesaid. Said plug *c* is of such length that quite a space is left between its inner end and the opposite end of tube *d* for the admission into the latter of the end of the whip-stock *b*, and when the latter is inserted into said tube cement is applied thereto, thereby securing the loop-fastening strongly thereto. The said braided covering on tube *d* is susceptible of being made very ornamental by the employment therefor of suitable multi-colored threads; and the loop-fastenings may be braided to correspond with the general finish of the whips which they are intended to be used upon.

We are aware that it is not new to construct a loop-fastening for a whip by securing a lash-loop into a ferrule by a plug, and we do not claim, broadly, such construction; but

What we claim as our invention is—

A whip having a lash-loop fastening consisting of the tip-ferrule *d*, having the braided covering *e*, the ends of which are folded inward at the ends of said ferrule, and of the loop *a*, having its ends secured in one end of said ferrule by the plug *c*, substantially as described.

HENRY MULLEN.
JAMES NOBLE, JR.

Witnesses:

J. R. DUNBAR,
L. C. ATWATER.