

(No Model.)

J. P. ARNOLD.

WHIP.

No. 284,351.

Patented Sept. 4, 1883.

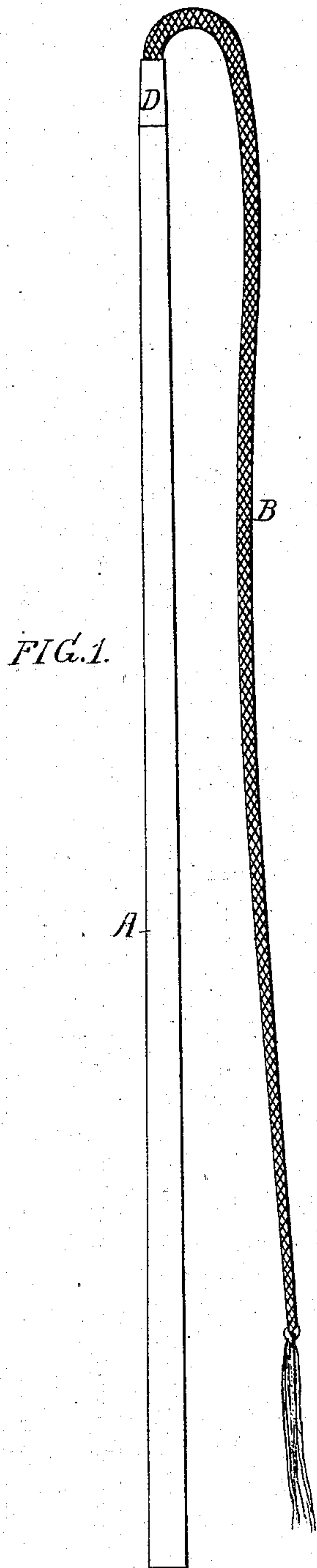


FIG. 1.

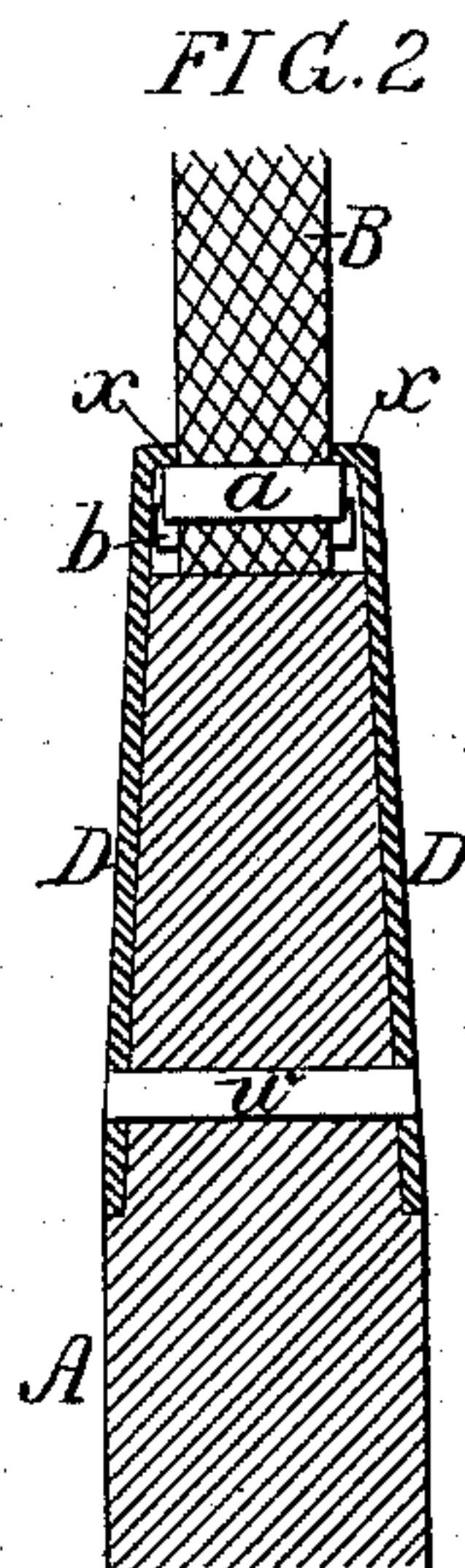


FIG. 2.

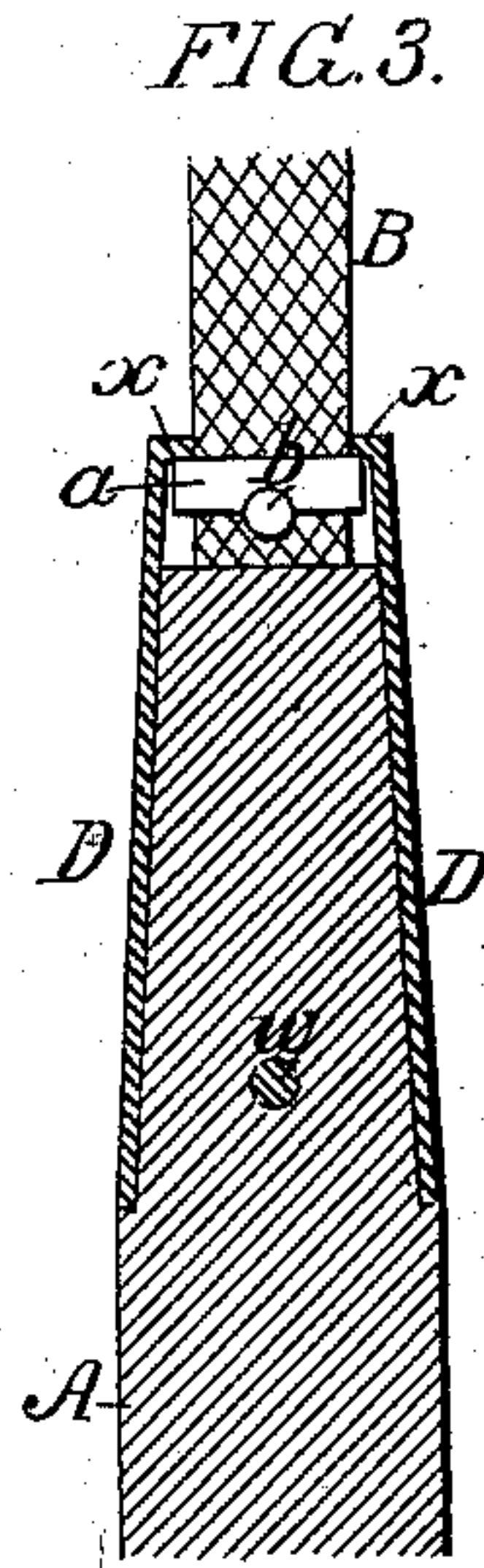


FIG. 3.

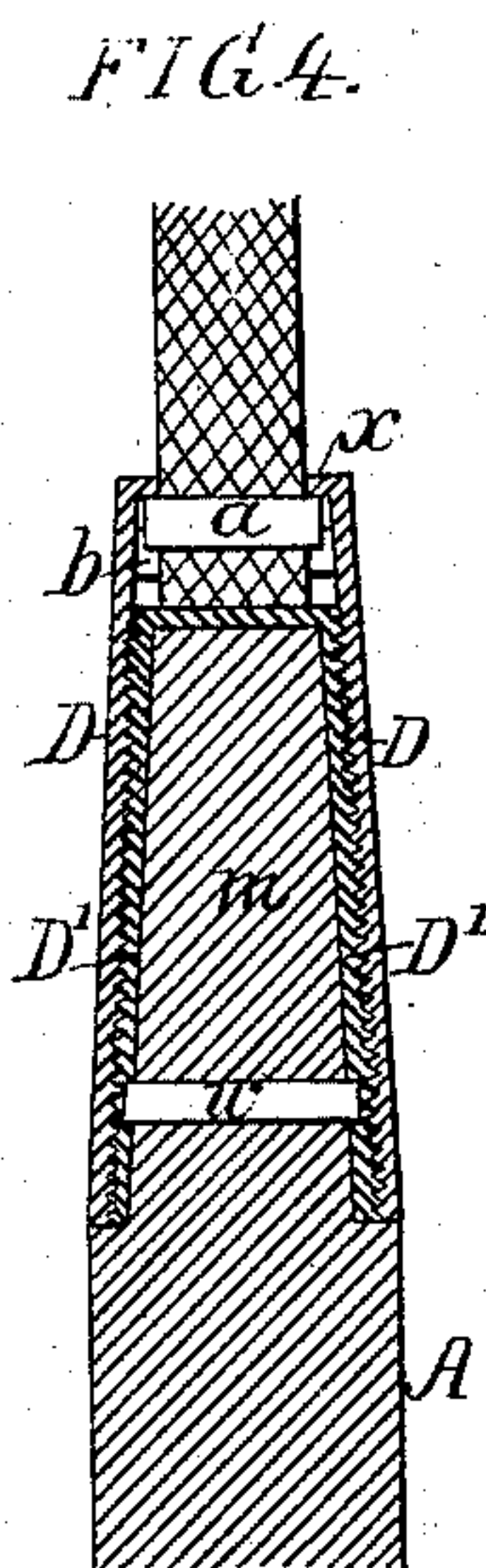


FIG. 4.

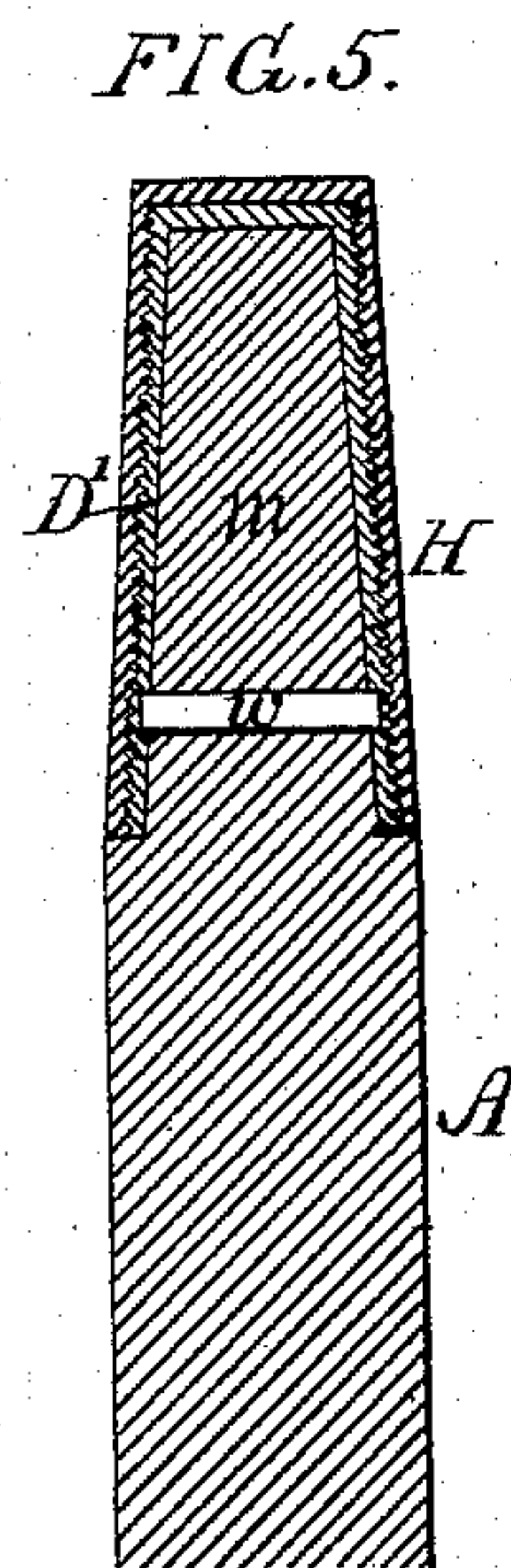


FIG. 5.

WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN P. ARNOLD, OF PHILADELPHIA, PENNSYLVANIA.

WHIP.

SPECIFICATION forming part of Letters Patent No. 284,351, dated September 4, 1883.

Application filed June 22, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN P. ARNOLD, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented certain Improvement in Whips, of which the following is a specification.

My invention consists of a device, fully described hereinafter, for securely fastening the lash of a whip to a stock or handle; also, of a combination of parts by which the lash can be readily detached from the handle and the latter converted into a walking-cane.

In the accompanying drawings, Figure 1 is a view of my improved whip; Figs. 2 and 3, sectional views of parts of the handle and lash, drawn to a larger scale, and showing the simplest manner of carrying out my invention; and Figs. 4 and 5, sectional views, showing another feature of my invention.

The stock or handle A of the whip may be made of any kind of tough wood, the lash B, preferably, consisting of a rawhide strip braided or plaited. A metal collar, *a*, is fitted tightly to the lash near the butt-end of the same, as shown in Figs. 2 and 3, a pin, *b*, passing through the lash, and being adapted to notches in the collar; or any other available plan of so securing the said collar that it cannot be dislodged from the butt-end of the lash may be adopted. The lash is secured to the handle A by first passing the said lash through a tapering ferrule, D, having an internal flange, *x*, at its smallest end, and then driving the ferrule onto the tapering end of the handle A, so that the flange, acting on the collar, shall firmly confine the same, after which a pin, *w*, may be driven through the ferrule and handle and riveted at the ends.

If the lash has to be made easily detachable from the handle—as, for instance, when the conversion of the handle into a walking-cane is desired—I adopt the plan shown in Figs. 4 and 5. In this case a tapering ferrule, D', closed at its small end, is fitted and secured

to the reduced portion *m* of the handle A, this ferrule being threaded on the outside to receive an outer and internally-threaded ferrule, D, which has an internal flange, *x*, for confining the butt-end of the lash in the manner described above. When the handle has to be used as a cane, this outer ferrule may be unscrewed from the inner ferrule, thereby releasing the lash from the handle, after which an internally-threaded ferrule, H, closed at its smaller end, may be screwed onto the inner ferrule, as shown in Fig. 5.

A bayonet-joint or other form of retainer may be used in place of a screw-thread for securing the ferrules D and H to the ferrule D'.

If desired, the collar *a* may be secured to the lash B some distance from the end of the same, and the end of the lash may project into an opening in the end of the handle.

I do not claim, broadly, a combined cane and whip, as various plans of detachably connecting whip-lashes to sticks have been heretofore devised; hence

I claim as my invention—

1. The combination of the handle A and a lash, B, having a collar, *a*, secured to the same above the butt, with a ferrule, D, constructed for attachment to the end of the handle, and having an internal flange, *x*, forming a bearing for the collar *a*, as set forth.

2. The combination of the handle, having a ferrule, D', secured thereto, with the lash B, having a collar, *a*, secured to the same above the butt, and the outer ferrule, D, having the internal flange, *x*, and constructed for application to and removal from the ferrule, D', as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN P. ARNOLD.

Witnesses:

HARRY L. ASHENFELTER,
HARRY SMITH.