

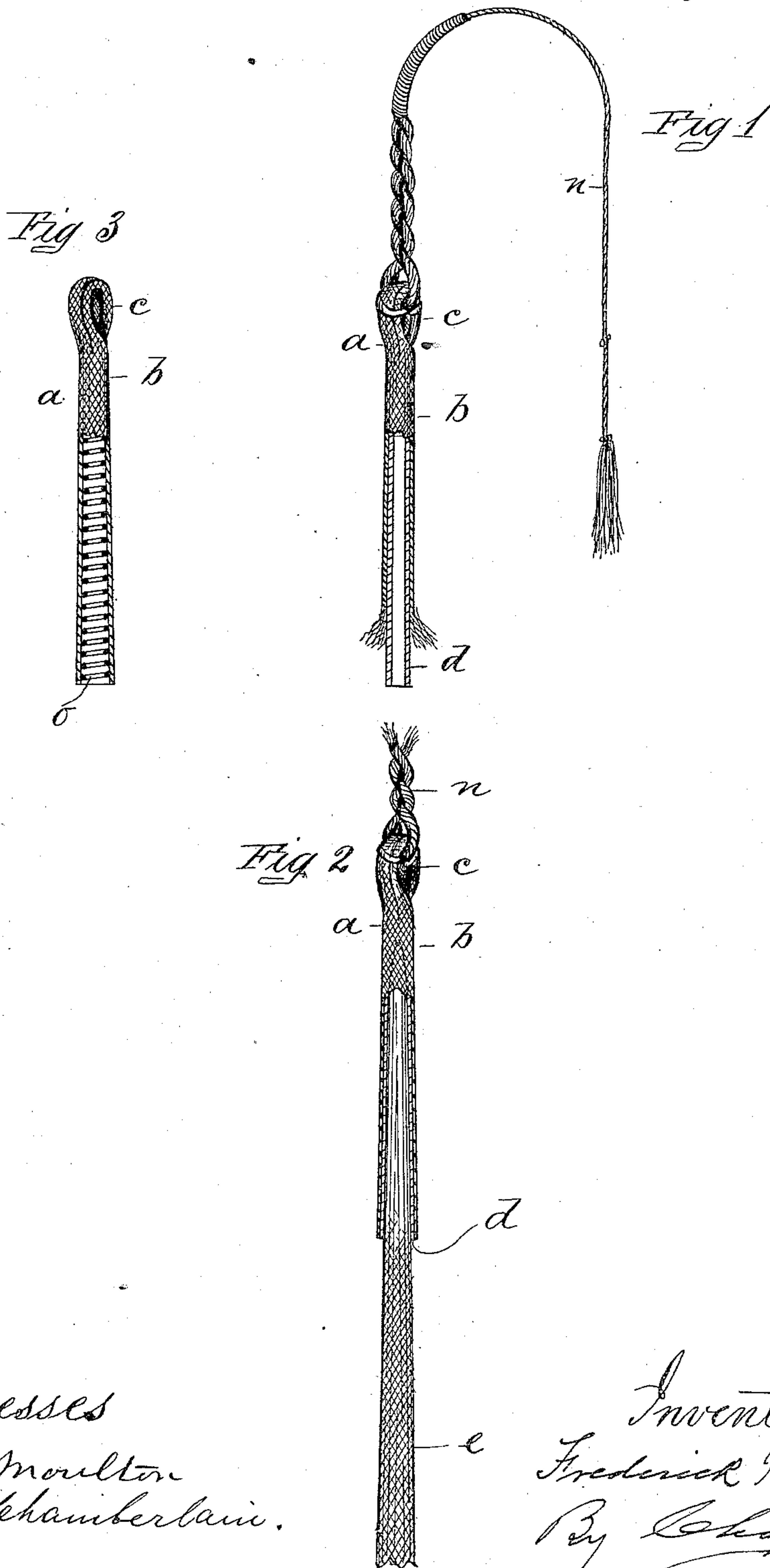
(No Model.)

F. P. COUSE.

SNAPPER ATTACHMENT FOR WHIPS.

No. 341,795.

Patented May 11, 1886.



Witnesses
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UNITED STATES PATENT OFFICE.

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SNAPPER ATTACHMENT FOR WHIPS.

SPECIFICATION forming part of Letters Patent No. 341,795, dated May 11, 1886.

Application filed February 3, 1886. Serial No. 190,680. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK P. COUSE, a citizen of the United States, residing at Westfield, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Snapper Attachments for Whips, of which the following is a specification.

This invention relates to improvements in snapper attachments for whips, the object being to provide a whip-snapper with an improved distensible socket to receive the end of the whip-tip on which it is secured, said socket and snapper being united by means of the usual loop.

In the drawings forming part of this specification, Figure 1 is a side elevation of a whip-snapper having an attachment connected thereto by which the snapper is secured to the whip-tip embodying my improvement, the attachment in said figure being shown with its plaited covering and its tubular body partly in section. Fig. 2 is a similar view of the snapper attachment to Fig. 1, showing the upper end of the snapper broken off and the upper end of the whip-tip in connection with the attachment. Fig. 3 is a side elevation, partly in section, of the said attachment without a snapper, illustrating a modified construction of the same.

The purpose of the herein-described improved snapper attachment for whips is to provide an elastic tubular receptacle for the end of the whip-tip, which is adapted to be distended when the tip is forced with it, and by its retracting tendency to attach itself to the tip, to which it is firmly secured by winding thread or wire around it in the usual way. Said attachment also provides a convenient means for replacing the worn-out snapper-loop of a whip with a new one.

In the drawings, *a* is the snapper attachment, of which *b* is the braided or plaited covering, having the usual snapper-loop, *c*, at its upper end. The said covering *b* is plaited, preferably, on a rubber tube, *d*, the latter being held in a rigid position while said covering is applied thereon by inserting a piece of wire therein while it is in the plaiting-machine, said wire being of such diameter that it somewhat distends said tube before the covering *b* is applied, and after the plaiting is completed said wire is withdrawn, thereby forming more or less of a distensible socket for the reception of the end of the whip-tip *e*.

The said wire is made in practice slightly tapering, in order that the form of the attachment-socket may coincide with the ordinarily-tapered end of the tip *e*, which is inserted in said socket, and the latter, together with its outer covering, *b*, may be made of any desirable length to insure the best union of tip and attachment. The snapper *n* is attached to the loop *c* in the usual way.

In Fig. 3 is illustrated the same braided covering of thread, *b*, and the same loop, *c*, that is shown in Figs. 1 and 2; but instead of the said rubber tube *d*, which constitutes the hollow tubular shell of the attachment *a*, that in Fig. 3 consists of the coiled wire center *o*, made by winding a fine wire of spring quality spirally around a suitable mandrel. The convolutions of said coiled wire center are somewhat spread, as shown, and, like said rubber tube, said center has a wire, such as is above described, inserted in it when the covering *b* is braided onto it, and thereby is made substantially such a socket for the attachment as is shown in Figs. 1 and 2. The said tubular centers of the snapper attachment extend in practice between the end of the tip *e* and the loop *c*, thereby providing a flexible and strong connection between the end of said tip and the loop, whereby the snapper is permitted to swing freely on the end of the whip.

The adhesive nature of the rubber tube *d* contributes greatly to the firmness of the connection of the attachment to the tip *e*, when the usual binding thread or cord is wound on the outside of the socket portion of the attachment, and likewise when the wire center socket (shown in Fig. 3) is so wound its convolutions are forced into the surface of the tip *e*, and thereby the attachment *a* becomes firmly secured to the latter, and in both instances said sockets adapt themselves to the form of the end of the tip within them.

What I claim as my invention is—

A snapper attachment for whips, consisting of the elastic inner section of a size to embrace the whip-tip and to close on the same when applied thereto, and the plaited covering to said section extending beyond the outer end thereof and forming a loop at said outer end, substantially as described.

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