

(No Model.)

LE ROY W. FAIRCHILD.

BUTTON HOOK.

No. 312,622.

Patented Feb. 24, 1885.

Fig. 1.

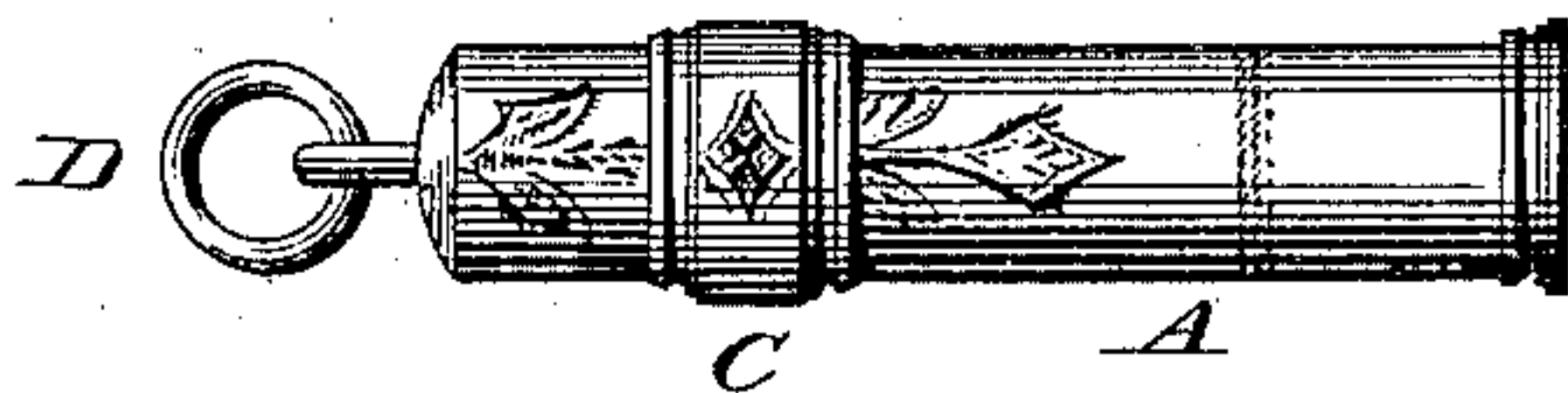


Fig. 2.

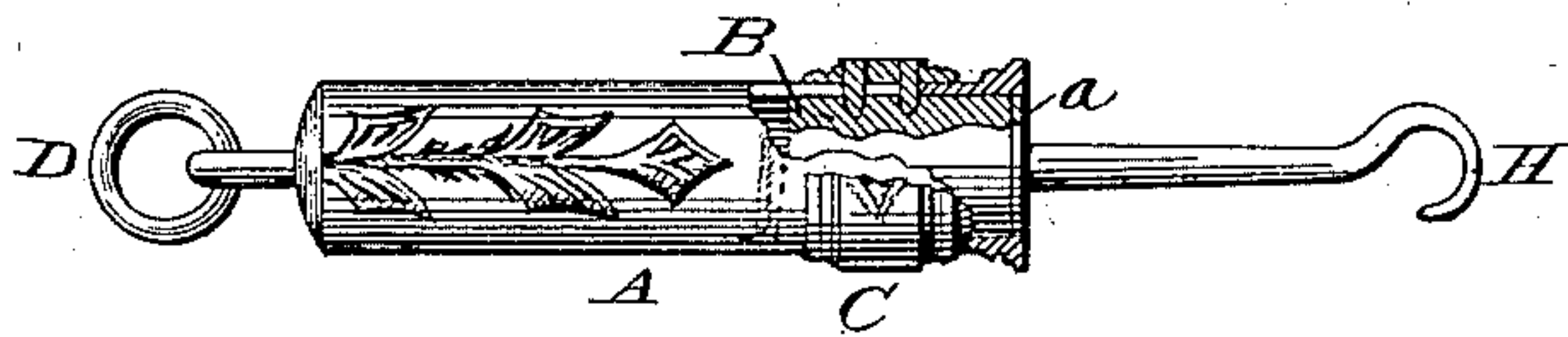
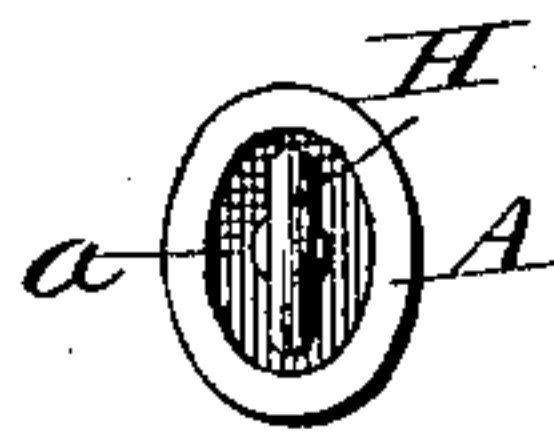


Fig. 3.



Witnesses;

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UNITED STATES PATENT OFFICE.

LE ROY W. FAIRCHILD, OF NEW YORK, N. Y.

BUTTON-HOOK.

SPECIFICATION forming part of Letters Patent No. 312,622, dated February 24, 1885.

Application filed December 31, 1883. Renewed January 7, 1885. (No model.)

To all whom it may concern:

Be it known that I, LE ROY W. FAIRCHILD, of New York city, in the county of New York and State of New York, have invented certain Improvements in Button-Hooks, of which the following is a specification.

My invention relates to that class of button-hooks designed to be carried on the person; and the invention consists in making the case of an oval form transversely, whereby a larger and stronger hook can be used than can be in the round cases heretofore made, and in attaching the hook to a slide in such a manner as to render it strong and rigid, and which when the hook is projected shall make a neat finish at the end of the case, all as hereinafter more fully set forth.

Figure 1 is a side elevation showing the hook retracted within the case. Fig. 2 is a similar view showing the hook projected, with a portion of the case broken away to show the internal construction; and Fig. 3 is an end view.

The object of this invention is to provide a button-hook of a neat and ornamental appearance to be worn or carried on the person, and which at the same time shall possess the requisite size and strength for practical use without being clumsy.

To make a button-hook on my plan, I first construct a metal case, A, which, as shown in Fig. 3, is of oval form transversely, to enable a comparatively large hook to be used without making the case as large or clumsy in appearance as it would be if made round, in the usual manner. This case A may be engraved or ornamented in any desired manner, as indicated in Figs. 1 and 2, and is provided at its upper or closed end with a ring, D, as shown, by which it can be connected to the watch chain or cord, or to a bunch of keys by a slip-ring, as may be preferred, the object being to have it always about the person, ready for use whenever required. This case has a slot cut in one edge to allow the slide B, to which the hook H is secured, to be moved back and forth by means of the external ring or slide, C, the same as in the ordinary pencil-case. The in-

ternal slide, B, is made of such a length as to have a firm bearing in the case A, as shown in Fig. 2, and may be formed of heavy sheet-brass in the form of an oval tube of the proper size to fit snugly and yet slide freely within the case A. The hook may be secured rigidly to the slide B by inserting its shank within the tubular slide B, and then pouring molten metal in around it until the space within the slide B is filled up solid, by which means the hook is firmly and rigidly connected to the slide; or, if preferred, an oval plate of the proper size may be soldered firmly in each end of the slide B, and the shank of the hook inserted through holes in the center of these two plates, and fastened there by solder, either with or without screw-threads being first cut on them.

The plan first described is the simplest, and renders the parts very strong and rigid; but either plan may be adopted, as may be preferred or found most convenient. In either case it will be seen that the hook and the slide to which it is secured will have a firm bearing in the case, so that when the hook is projected for use there will be no looseness or play between the hook and case, the two being nearly, if not quite, as rigid as though made in one piece.

A plate, a, is secured to the outer end of the slide B, as shown in Fig. 2, it being fitted so as to fill the interior of the case at the open end, and be flush therewith when the hook is projected to its fullest extent, this plate a being made of the same or a similar precious metal as the case, so as to cover the end of the slide B, which will be made of a cheaper or base metal, and thus make a nice finish at the open end of the case when the hook is projected. By this construction I am enabled to provide a hook of the proper size and strength for practical use in buttoning shoes, and which has a neat and ornamental appearance, so that it may be worn or carried about the person without objection. When these cases are made of gold or silver, or of other metal and suitably ornamented and plated, they form a handsome ornament, which can be worn as other orna-

ments or charms are. I also propose to make them of smaller sizes for use in buttoning gloves and the like.

Having thus fully described my invention,
5 what I claim is—

As an improved article of manufacture, the herein-described button-hook, consisting of the oval case A, with the hook H, rigidly se-

cured to the oval slide B, and the oval ring C, all constructed and arranged to operate as is shown and described.

LE ROY W. FAIRCHILD.

Witnesses:

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