

No. 845,743.

PATENTED MAR. 5, 1907.

A. C. BINDNER.
SAFETY KEY RING SNAP.
APPLICATION FILED OCT. 23, 1906.

FIG. 1.

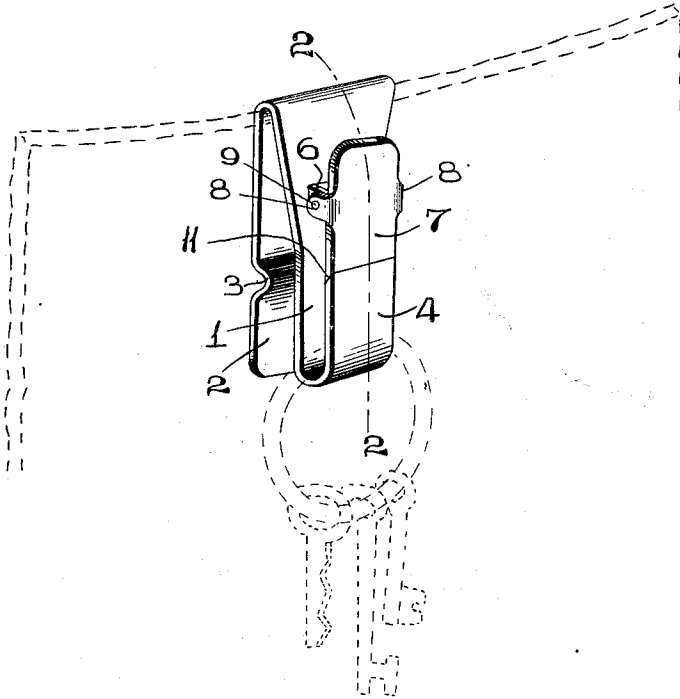


FIG. 2.

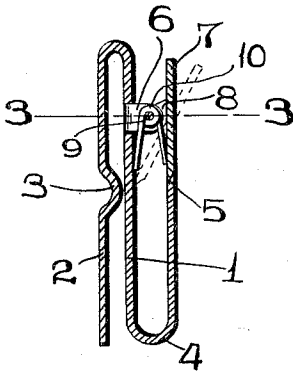
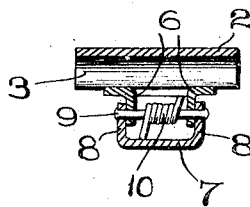


FIG. 3.



ATTEST—

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SAFETY KEY-RING SNAP.

No. 845,743.

Specification of Letters Patent.

Patented March 5, 1907.

Application filed October 23, 1906. Serial No. 340,222.

To all whom it may concern:

Be it known that I, ALFRED C. BINDNER, a citizen of the United States, and a resident of St. Louis, Missouri, have invented certain new and useful Improvements in Safety Key-Ring Snaps, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to a safety key-ring snap; and the object of my invention is to provide a hook which is detachably secured to a portion of the clothing of the wearer—for instance, at the vest-pocket or on the waistband of the trousers—and which hook is provided with a spring-actuated tongue which normally engages against a portion of the hook to prevent the accidental removal of the key-ring positioned in said hook.

To the above purposes my invention consists in certain novel features of construction and arrangement of parts, which will be hereinafter more fully set forth, pointed out in the claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a safety key-ring snap of my improved construction. Fig. 2 is a vertical section taken on the line 2 2 of Fig. 1. Fig. 3 is a horizontal section taken on the line 3 3 of Fig. 2.

The main body portion of my improved snap-hook is constructed of a single piece of suitable material, preferably brass, the central portion of which forms a plate 1, and one end of the material is bent downwardly into a plane parallel with the plate 1 to form the rear plate 2, in the center of which is formed the transversely-arranged rib 3, which engages against the rear side of the plate 1. The opposite end of the section of material of which the device is formed is bent upwardly to form a U-shaped hook 4, the upper edge of the outer portion of which hook is beveled, as designated by 5. A pair of ears 6 are stamped from the plate 1, which ears extend forwardly from said plate and are horizontally perforated.

7 designates a tongue or keeper, which is of the same width as is the hook 4, and formed integral with the sides of said tongue are rearwardly-projecting ears 8, which are per-

forated, and passing through said ears and through the perforated ears 6 is a hinge-pin 9. Wound upon this pin 9 between the ears 6 is a torsional coil-spring 10, one end of which bears against the plate 1 below the ears and the opposite end bearing against the rear side of the tongue 7. The lower edge of the tongue 7 is beveled, as designated by 11, so as to form a neat fit against the corresponding beveled edge 5 on the upper end of the hook 4.

The device so constructed is positioned on a portion of the clothing of the wearer—for instance, on the waistband of the trousers, by slipping the plates 1 and 2 downwardly over said waistband, and when so arranged the rib 3 presses the clothing against the plate 1, owing to the resiliency of the material of which the device is formed, and thus retains the hook in the desired position. The spring 10 normally holds the lower end of the tongue 7 against the upper edge of the hook 4, and the key-ring is engaged in said hook by merely pressing the upper end of the tongue 7 outwardly against the resistance offered by the spring 10, and this movement separates the meeting edges of said tongue and hook, as shown by dotted lines in Fig. 2, and the ring is now dropped into the hook, after which the tongue 7 is released and allowed to resume its normal position. To disengage the ring from the hook, the thumb is engaged on the upper end of the tongue 7 to force said upper end outwardly and to bring the lower end thereof against the plate 1, and when so positioned the first finger engages the key-ring and pulls the same upwardly out of the hook.

A device of my improved construction is simple, inexpensive, is easily and firmly positioned on the clothing, and very conveniently holds the key-ring.

I claim—

A device of the class described, comprising a plate, one end of which is bent downwardly to form an inverted-U-shaped hook, there being a transverse rib formed on the downwardly-bent end, which rib projects toward the body of the plate, a U-shaped hook formed integral with the lower end of the plate, the upper edge of the free arm of the

last-mentioned hook being beveled, and a
spring-actuated tongue hinged to the front
side of the upper portion of the plate, the
lower end of which tongue is beveled and
5 normally engages against the beveled edge on
the free upper end of the arm of the U-
shaped hook.

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

ALFRED C. BINDNER.

Witnesses:

M. P. SMITH,

E. L. WALLACE.