

R. BUTLER.
SAFETY KEY RING HOOK.
APPLICATION FILED APR. 27, 1920.

1,364,709.

Patented Jan. 4, 1921.

Fig. 1.

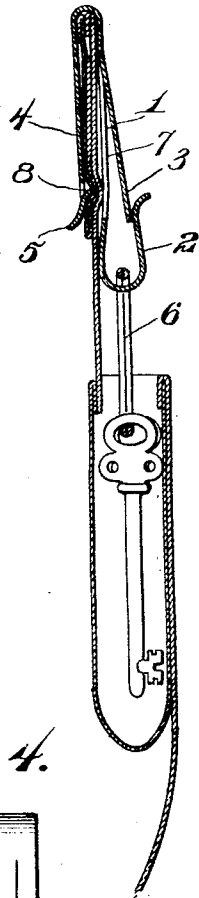


Fig. 2.

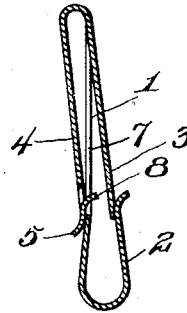


Fig. 3.

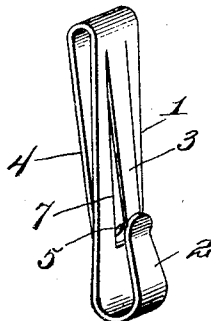


Fig. 5.

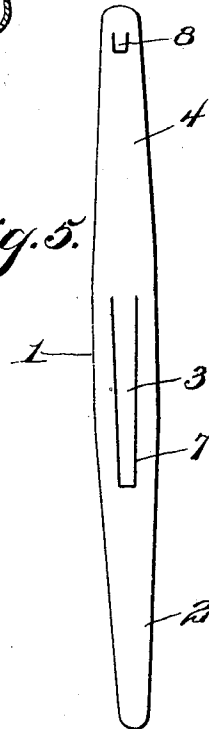
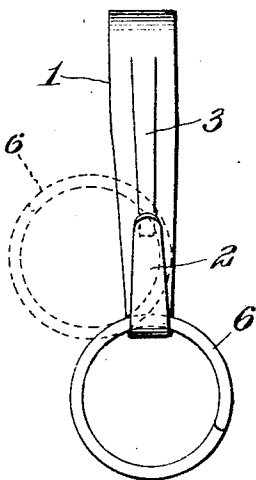


Fig. 4.



Inventor
Ray Butler

By

A. C. Hines

Attorney,

UNITED STATES PATENT OFFICE.

RAY BUTLER, OF CHICAGO, ILLINOIS.

SAFETY KEY-RING HOOK.

1,364,709.

Specification of Letters Patent.

Patented Jan. 4, 1921.

Application filed April 27, 1920. Serial No. 377,037.

To all whom it may concern:

Be it known that I, RAY BUTLER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Safety Key-Ring Hooks, of which the following is a specification.

This invention relates to safety key ring holders or hooks and the object in view is to produce an improved hook the construction of which will enable a key ring to be dexterously and quickly removed therefrom by a simple twisting operation, the device embodying a safety spring tongue or guard which prevents the key ring from becoming detached from the hook in ordinary usage.

The device as a whole embodies in conjunction with the key ring a garment hook forming a part of the key ring hook and spring tongue or guard, together with means whereby a positive grip is obtained on the garment to prevent the device from being forcibly dragged therefrom.

To the above ends my invention consists in the novel construction herein described, illustrated and claimed.

In the accompanying drawings:—

Figure 1 is a vertical section of the device, applied.

Fig. 2 is a similar view, detached.

Fig. 3 is a perspective view of the device.

Fig. 4 is an elevation of the device showing the manner of detaching the key ring.

Fig. 5 is a plan view of the blank.

The improved device is composed of a one piece strip of spring material such as steel and is preferably nickel plated, although it may be finished in any manner. The strip is bent as shown to comprise a body or medial portion 1, a normally upturned key ring hook 2, a spring tongue or guard 3, and a downturned garment hook 4.

The hooks 2 and 4 are arranged on opposite sides of the medial portion 1 and the ends thereof are bent outwardly as shown at 5 to facilitate the several operations of applying and removing the key ring 6 and attaching and detaching the garment hook in relation to the garment.

The spring guard tongue 3 is punched from the medial portion 1, as shown, and its free normally lower end bears against the inner face of the end of the hook 2 to prevent the escape of the key ring in ordinary usage. Forming the tongue 3 in such

manner leaves an opening 7 of elongated or slot formation adapted to be entered by a garment gripping tang 8 punched inwardly from the hook 4 and upwardly inclined. Such tang 8 presses a small portion of the garment such as a part of the waist-band of trousers into the opening 7 thereby obtaining a positive grip on the garment and preventing the device from being forcibly dragged therefrom.

The key ring 6 is of such a size in relation to the distance between the bottom or bend of the hook 2 and the contacting faces of the end of the hook 2 and the end of the guard hook 3, that by giving the key ring a half turn or twist either to the right or to the left, the said bottom or bend of the hook 2 forms a fulcrum or rest for the ring while the higher part of the ring is being wedged between the normally contacting faces of the hook 2 and tongue 3, as shown in one of the views.

The key ring 6 is attached to the device in the usual way, by pressing said ring over the upper end of the hook 2 and pulling the ring downwardly past the end of the guard tongue. As the ring passes between said tongue and hook, the tongue is pressed hard against the part of the garment forced into and through the opening 7 by the tang 8. As a result the ring is enabled to force or wedge its way between the tongue 3 and the upper part of the hook 2 until it rests on the bottom bend of said hook. Should the ring be pressed upwardly with considerable force, it cannot get between said tongue and hook and it forces the end of the tongue tightly against the adjacent face of the hook.

I claim:—

1. A safety key ring device consisting of a one piece strip of spring material comprising a normally upright medial portion, an upturned key ring hook at the bottom of said medial portion, a spring tongue the length of which exceeds one half of the length of the complete device punched from said medial portion and having a free lower end which bears against the inner face of said hook, and a downwardly turned garment hook at the upper end of said medial portion having a punched upwardly directed tang adapted to press the garment goods into the opening in the medial portion left by punching said spring tongue.

2. A safety key ring device embodying a downwardly extending garment hook, an upwardly extending key ring hook, a medial portion connecting said hooks, a spring tongue extending from said medial portion and having a free lower end which bears against the inner face of the end of the key ring hook, and a key ring the diameter of which adapts it to fulcrum against the bend of the key ring hook while said ring is forced outwardly from between the last named hook and said spring tongue. 10

In testimony whereof I affix my signature.

RAY BUTLER.