C. R. WAID.

KEY HOOK.

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1,276,137. Patented Aug. 20, 1918.

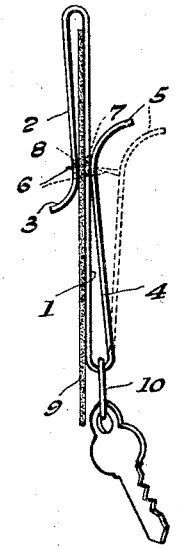



Fig. 1.

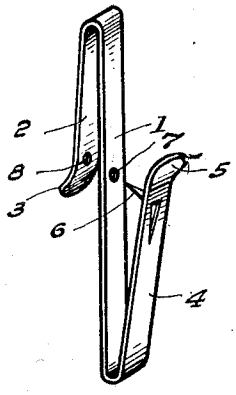



Fig. 2.

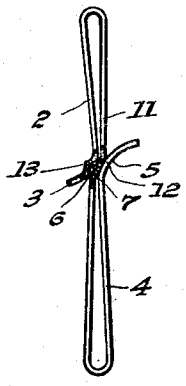



Fig. 3.

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# UNITED STATES PATENT OFFICE.

CALVIN R. WAID, OF BIRMINGHAM, ALABAMA, ASSIGNOR TO BIRMINGHAM KEY HOOK COMPANY, OF BIRMINGHAM, ALABAMA, A CORPORATION OF ALABAMA.

## KEY-HOOK.

1,276,137. Specification of Letters Patent. Patented Aug. 20, 1918.

Application filed February 25, 1918. Serial No. 219,164.

*To all whom it may concern:*

Be it known that I, CALVIN R. WAID, a citizen of the United States of America, residing at Birmingham, in the county of Jefferson and State of Alabama, have invented certain new and useful Improvements in Key-Hooks, of which the following is a specification.

This invention relates to improvements in key hooks adapted to be securely attached to the trousers or other garment and to provide a hook which is adapted to receive the ring or chain carrying the keys and to positively prevent the accidental detachment of the same from the hook or of the hook from the garment.

The object of my invention is to simplify and perfect the fastening means by which the hook itself is secured to the garment and by which the keys are prevented from accidental detachment from the hook and to this end I have designed a very simple and inexpensive device formed of a bent metal strip having at its ends reversely disposed spring hooks, one of which carries a pin which traverses the neck space of both hooks, making positive engagement with the body of the hook to the end so that it presents a positive retaining means for the key ring and a positive garment engaging means for the hook. Preferably the hook is designed with the key engaging hook elongated relatively to the garment engaging hook as it is desirable to have the key engaging portion carry the pin and by elongating it I increase its flexibility and the ease with which the pin may be disengaged either for releasing the keys or detaching the keys from the garment.

My invention also comprises the various details of construction and arrangements of parts which are hereinafter more particularly described in the specification and pointed out in the appended claims, reference being had to the accompanying drawings which illustrate the preferred embodiments of my invention, and in which:—

Figure 1 shows the key hook in side elevation in operating position.

Fig. 2 is a detail perspective view of the key hook shown in Fig. 1, with the garment and key hooks flexed away from the hook body.

Fig. 3 is a side elevation of a modification of the key hook.

Similar reference numerals refer to similar parts throughout the drawings.

In the preferred embodiment of my invention illustrated in Figs. 1 and 2 the key hook is formed of a bent metal strip having a straight body portion 1 with a short garment engaging hook 2 at its upper end bent over and back to press against the body and having its free end out-turned at 3. The other end of the body 1 carries a key supporting hook 4 which is bent over and back to press against the opposite face of the body 1 to that engaged by the hook 2 and at a point opposite the point of engagement of the hook 2. The free end of the key hook 4 is out-turned at 5 and it is provided with a pin or perforating point 6 which is adapted to project through a slot 7 in the body 1 and a slot 8 in the end 3 of the garment hook 2. Preferably the pin or point 6 is formed by punching up a pointed tip from the hook 4 but it may be formed in any other practical manner. The garment 9 is adapted to be caught under the hook 2 and a ring or chain 10 for the keys is adapted to be hung on the hook 4.

In practice, the thumb is applied between the end 5 of the key hook and the body 1 and they are pressed apart to withdraw the pin 6 sufficiently to permit the hook 2 to be slipped on or off from the garment 9, and when on the garment the pin 6 penetrates through the latter and positively holds the hook thereon. When removing the keys it is necessary to further bend the hook 4 outwardly so that the pin 6 moves clear of the body 1 enough to permit the key hook or chain to be dropped downwardly into the bight of the hook 4, after which the hook 4 being released the pin will spring back and again penetrate the garment and enter the slots 7 and 8, thus holding the hook proper on the garment and presenting a positive stop which will prevent the disengagement of the key ring 10. It is preferable that the hook 4 be much longer than the hook 2 as I thereby secure greater flexibility for the pin carrying element which must be considerably flexed for the purposes described.

In Fig. 3 the description of the parts and their designation is the same except that the main body 11 in this instance instead of being straight is formed with an angled offset portion 12 opposite the point of en-

gagement therewith of the hook ends 3 and 5. This arrangement brings the two hooks 2 and 4 more into alinement and makes a structure which will pack in less space and which will otherwise function exactly as described above. This design is suitable to be inverted and caught over a garment pocket with the pin carrying hook end 5 out-turned so that the hook 4 will engage and hold therein any valuable paper or article which by the secure fastening in place of the hook is prevented from loss or theft.

This invention is not intended to be restricted in scope to the specific embodiment shown, but contemplates such modifications as come within the spirit and scope of the claims.

In Fig. 3 the device being capable of use in the pocket, instead of perforating the hook end 3, the latter is indented at 13 to form a socket for the point of the pin 6. This socket is the equivalent of the hole 8 and may be substituted therefor in the design shown in Fig. 2 if desired.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A key hook formed by a strip of metal having its ends bent reversely to form hooks, the free ends of which stand opposite each other with said strip between them, there being a slot in said strip between said hooked ends, and a pin carried by one hook end and adapted to penetrate through said slot and engage the other hook end to form a common guard at the throats of both hooks.

2. A key hook having its body formed by a strip of metal, the ends of which are bent reversely to form hooks, the free ends of which hooks stand opposite each other on opposite sides of the strip, there being alining slots in said strip and the end of one of said hooks, and a pin carried by the other hook end and adapted normally to penetrate said slots.

3. A key hook having its body formed of a metallic strip bent at one end to form a short garment engaging hook with its free end bent to press against the body, there being alining slots in the body and hook end, and the other end of said strip being bent to form an elongated hook for the reception of a key holder, said key hook having its free end bent to press against the body on the opposite side from and opposite to the garment hook, and a pin on said key hook end adapted normally to penetrate said slots in the body and garment hook and close the necks of both hooks, substantially as described.

4. A key hook comprising a body portion having an intermediate bend oblique to the planes of the body, a garment engaging hook provided at one end of the body and having its free end juxtaposed to one side of said oblique portion, a key carrying hook formed at the other end of the body and having its free end juxtaposed to the other end of said oblique portion, there being a slot in said oblique portion of the body and in one of said hook ends, and there being a pin on the other of said hook ends disposed to penetrate the said slots, the pin carrying hook end being substantially out-turned to form a finger grip for springing it away from the body to withdraw the pin and open the necks of said hooks, substantially as described.

In testimony whereof I affix my signature.

CALVIN R. WAID.

Witness:
NOMIE WELSH.

**Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."**