June 21, 1938. W. N. MORRISON 2,121,440

KEY RING HOOK

Filed Oct. 4, 1937

Fig. 1.

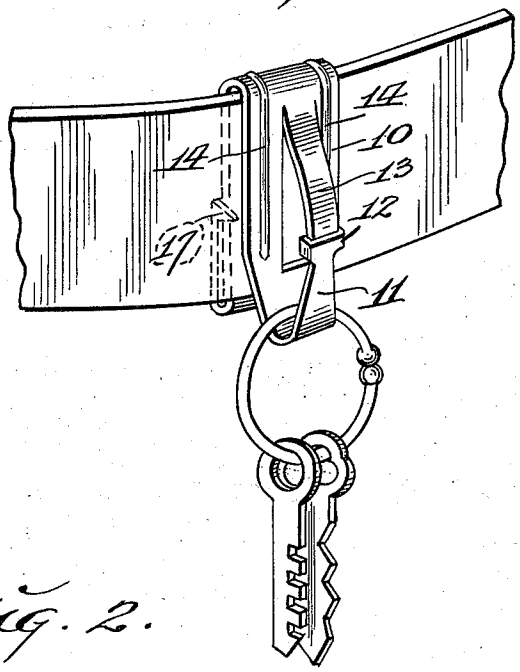


Fig. 2.

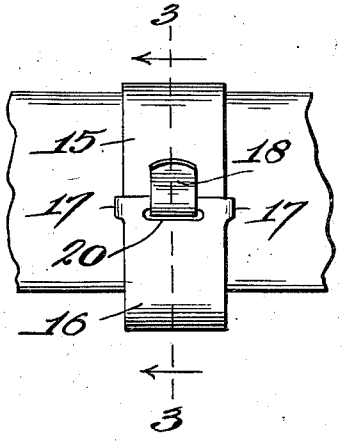


Fig. 3.

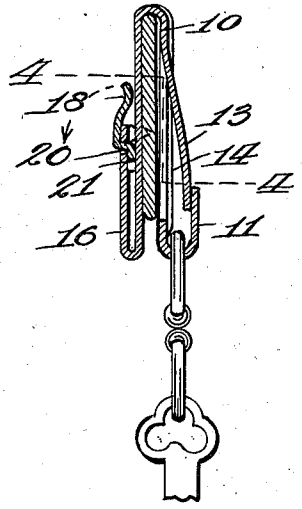
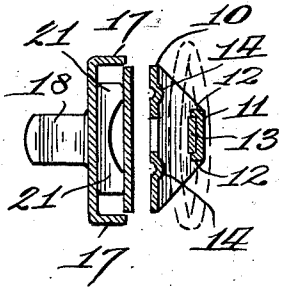


Fig. 4.



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KEY RING HOOK

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Application October 4, 1937, Serial No. 167,165

5 Claims. (Cl. 24—3)

My invention relates to a key ring hook and has for its principal object to provide a relatively simple, practical and inexpensive hook adapted to receive and hold in suspended position a key ring and said hook being provided with simple and efficient means for securely fastening the hook to a belt, trousers waist-band, or to the front wall of a pocket.

A further object of my invention is to provide a combined key ring, suspension hook and clamp that comprises but two parts formed from thin sheet metal and constructed so as to occupy very little space and without in any way affecting the functioning of the belt or article of clothing to which the device is attached.

With the foregoing and other objects in view, my invention consists in certain novel features of construction and arrangement of parts that will be hereinafter more fully described and claimed and illustrated in the accompanying drawing in which:

Fig. 1 is a prospective view of my improved key ring hook and showing the same applied to a belt.

Fig. 2 is a rear elevational view of the hook in position on a belt.

Fig. 3 is a vertical section taken on the line 3—3 of Fig. 2.

Fig. 4 is a horizontal section taken on the line 4—4 of Fig. 3 and showing the prong carrying member that secures the hook to a belt or article of clothing, in retracted or open position.

The main body portion 10 of my improved key ring hook is formed in a single piece from thin resilient sheet metal and said body comprises a vertically disposed front wall end, from the lower end of which extends upwardly a hook 11 that is adapted to receive and support a suspended key ring, as illustrated in Fig. 1.

Projecting rearwardly or toward the front plate 10 from the sides of the hook 10, at the upper end thereof, are short ears 12 and normally positioned between said ears and bearing against the rear face of the upper end of hook 11 is the lower portion of a narrow strip of metal 13 that is cut from the intermediate portion of the front wall 10 and which is bent outwardly to provide a resilient keeper that prevents the key ring from being accidentally disengaged from the hook.

To reinforce and add rigidity to the front plate 10 portions of the metal therein to the sides of the resilient keeper 13 are pressed forwardly to form vertically disposed ribs 14.

From the upper end of the front plate 10 the metal forming the body of the hook extends downwardly immediately to the rear of said front wall to form a rear wall 15 and normally the lower end of this rear wall bears against the lower portion of front wall 10, due to the resilience of the metal from which the body is formed. The lower end of this rear wall 15 terminates adjacent the lower end of the front wall and from this point the metal is bent upwardly to form a secondary rear wall 16 that terminates approximately midway between the upper and lower ends of the wall 15.

Prongs 17 project forwardly from the upper portions of the said edges of the secondary wall 16 and these prongs are positioned immediately adjacent the vertical edges of the rear wall 15 and when the hook is applied for use they project into the belt or portion of the clothing that is positioned between the walls 10 and 15, thereby firmly securing the hook to the belt or clothing. The upper portion of the secondary rear wall 16 normally flexes against the rear face of rear wall 15.

In order to flex the upper portion of the wall 16 away from wall 15 so as to bring the prongs 17 to the rear of the opening between the walls 10 and 15, as illustrated in Fig. 4 and thus permit the hook to be applied to or removed from a belt or article of clothing, a short lever 18 is provided at one end, with a portion 19 bent at right angles to said lever and this bent portion extends through a horizontally disposed slot 20 that is formed in the upper portion of secondary rear wall 16. Formed integrally with the end of the bent portion 19 and positioned between the walls 15 and 16 is a plate 21 that occupies a position substantially parallel with the main body portion 18 of the lever.

When the lever is turned into position so that the plate 21 is parallel with the walls 15 and 16, the upper portion of said wall 16 lies immediately adjacent the rear wall 15 and thus the prongs 17 project forwardly beyond the side edges of wall 15, so as to engage the belt or clothing to which the hook is applied. Thus when the hook is properly applied to a belt or article of clothing it is practically impossible for the hook to be disengaged from the belt or clothing until the lever is actuated to withdraw the prongs 17 from the belt or clothing.

To accomplish the withdrawal of the prongs from the belt or clothing in order to permit the hook to be applied to or withdrawn from the belt or clothing, the upper end of lever 18 is engaged and swung rearwardly and downwardly,

thus moving the plate 21 into position at right angles to the walls 15 and 16 and such action moves the upper portion of wall 16 away from wall 15 and consequently withdraws the prongs 17 from the belt or clothing that is positioned between the walls 10 and 15.

Thus it will be seen that I have provided a key ring hook that is relatively simple in construction, inexpensive of manufacture and very effective in performing the functions for which it is intended. The entire structure is composed of only two pieces of thin sheet metal and the device is very compact and in nowise interferes with the proper functioning of the belt or clothing to which the hook is attached.

It will be understood that minor changes in the size, form and construction of the various parts of my improved key ring hook may be made and substituted for those herein shown and described, without departing from the spirit of my invention, the scope of which is set forth in the appended claims.

I claim as my invention:

1. A key ring hook comprising front and rear walls connected at their upper ends, a hook projecting upwardly from the lower portion of the front wall, a secondary rear wall projecting upwardly from the lower portion of the first mentioned rear wall, prongs projecting forwardly from the upper portions of the side edges of said secondary rear wall, there being a slot formed in the upper portion of said secondary rear wall, a lever fulcrumed in said slot and a plate carried by the lower end of said lever and positioned between said rear wall and said secondary rear wall.

2. A key ring hook formed from resilient sheet metal and comprising front and rear walls connected at their upper ends, a hook projecting upwardly from the lower portion of the front wall, a tongue cut from the intermediate portion of the front wall, the upper portion of which tongue is connected to the upper portion of the front wall, the lower end of which tongue bears against the upper end of said hook, a secondary rear wall projecting upwardly from the lower portion of the first mentioned rear wall, the upper portion of which secondary rear wall normally bears against the rear face of the first mentioned rear wall, prongs projecting forwardly from the upper portions of the side edges of said secondary rear wall and a lever mounted for operation on the upper portion of said secondary rear wall for moving the upper portion thereof away from the first mentioned rear wall.

3. A key ring hook formed from thin resilient metal and comprising front and rear walls, means on the front wall for receiving and holding a key ring, a secondary rear wall projecting upwardly from the lower portion of the first mentioned rear wall, prongs projecting forwardly from the upper portions of the side edges of said secondary rear wall, which prongs project past the said edges of the first mentioned rear wall, the upper portion of which secondary rear wall normally bears against the rear face of the first mentioned rear wall, a means mounted for operation on the upper portion of said secondary rear wall for moving the same away from the first mentioned rear wall.

4. A key ring hook formed from thin resilient sheet metal and comprising front and rear walls, means on the front wall for receiving and holding a key ring, a secondary rear wall projecting upwardly from the lower portion of the first mentioned rear wall, prongs projecting forwardly from the upper portions of the sides of said secondary rear wall, the upper portion of which secondary rear wall normally bears against the rear face of the first mentioned rear wall, a means carried by the upper portion of said secondary rear wall for moving the same and the prongs carried thereby rearwardly with respect to the first mentioned rear wall.

5. A key ring hook formed from thin resilient sheet metal and comprising front and rear walls, means on the front wall for receiving and holding a key ring, a secondary rear wall projecting upwardly from the lower portion of the first mentioned rear wall, prongs projecting forwardly from the upper portions of the sides of said secondary rear wall, the upper portion of which secondary rear wall normally bears against the rear face of the first mentioned rear wall and a lever fulcrumed on the upper portion of the secondary rear wall for moving the upper portion thereof and said prongs rearwardly with respect to the first mentioned rear wall.

WILLIAM N. MORRISON.