

LOTTIE W. TIMMENS.

SNAP-HOOK.

No. 180,174.

Patented July 25, 1876.

Fig 1.

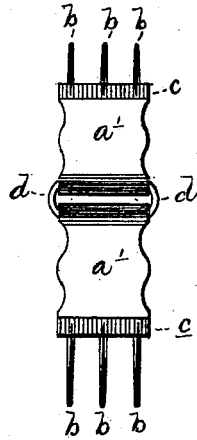
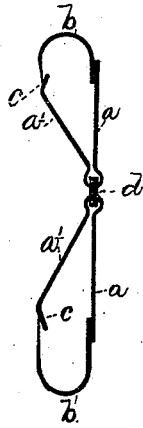


Fig 2.



Witnesses:

Louis Wilkinson
Ethan S. Ward,

Inventor:

Mrs. Lottie W. Timmens
By D. S. Thompson
attorney.

UNITED STATES PATENT OFFICE.

LOTTIE W. TIMMENS, OF FAYETTEVILLE, NEW YORK.

IMPROVEMENT IN SNAP-HOOKS.

Specification forming part of Letters Patent No. 180,174, dated July 25, 1876; application filed December 29, 1875.

To all whom it may concern:

Be it known that I, **LOTTIE W. TIMMENS**, of Fayetteville, Onondaga county, State of New York, have invented certain new and useful Improvements in Spring-Hooks or Supporters for Wearing-Apparel, which improvement is fully set forth in the following specification:

This invention relates to that class of devices which are designed for use in connection with webbing, elastics, or straps, for the purpose of furnishing a ready means of supporting skirts, stockings, and other articles of wearing-apparel; and it consists in a double or single spring-hook of peculiar shape, the construction, application, and operation of which will be herein fully pointed out and described.

In the drawings, which form an essential part of this specification, Figure 1 represents a front view or elevation of a spring-hook in which is embodied my invention, and Fig. 2 is an end view of the same.

Letters of reference found in both figures of the drawing will indicate corresponding parts.

The object of this invention is to provide a single or double spring-hook that can be used, either singly or doubly, for the purpose of uniting garments or wearing-apparel to straps, elastics, webbing, or to other articles of wearing-apparel, thus acting as a supporter for the same.

The double hook permits the uniting of two articles of any description, or any article, to a strap or band, and such articles and bands are easily detached from either one or both set of hooks, and the hooks detached and removed at the pleasure of the wearer. The single hook may be used generally in the place of buttons, buckles, pins, or clasps of any and all descriptions.

It is obvious that it would be very useful in place of the ordinary suspender-buckle. Other uses for the double or single hook will readily suggest themselves, which it is not necessary to specifically name here.

In carrying out my invention I form the body or spring to which the hooks are attached by stamping or cutting from any sheet metal suitable for the purpose. The blank thus formed is bent or shaped into the bifurcated form, as plainly shown in the drawings, one arm, *a*, being perpendicular, or

nearly so, and the other arm, *a'*, being set at such suitable angle therefrom as will give it the necessary spring. To the rear arm *a*, near its base, and on the inside, I attach two or more hooks, *b b b*, which extend a short distance below the base of the arm *a*, and have their ends, which are sharp-pointed, turned up until they rest upon the face *c* of the base of the arm *a'*. The base *c* of the arm *a'* is turned inwardly at such an angle as will allow the points of the hooks to rest below the projecting point of the arm *a'*. This portion of the arm *a'*, on which the hooked points rest, may be provided with slots, recesses, or cavities, in which the points of each hook may rest below the surface. This will prevent any liability to injuring the person of the wearer or the points of the hooks.

The two springs and hooks to form a double-spring hook are simply joined together by a simple link of wire, *d*, which passes through both, as shown in the drawing. This link or loop *d* is also usually attached to the single hook, furnishing a means by which bands, webbing, straps, or any fabric or article of apparel may be fastened thereto.

It is obvious that by pressing the arm *a'* it will yield and readily retire from the points of the hooks *b*. The strap or garment is then put over the points of the hooks, and the arm *a'* released and returned to place. The same operation is applied to the upper hook when the two are used.

These springs and hooks may be constructed from any suitable metal and wire; may be made plain or ornamental, as fancy may dictate. They may be japanned, plated, engraved by any of the well-known processes, and varied in shape and style as the demands of commerce may call for.

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

A double or single spring-hook, provided with arms *a* and *a'*, link *d*, and hooks *b b b*, arranged, applied, and operating substantially as and for the purposes as herein shown and set forth.

In testimony whereof I have hereunto set my hand this 9th day of October, A. D. 1875.

MRS. **LOTTIE W. TIMMENS**.

In presence of—

A. L. MUNSON,
L. WILKINSON.