

J. W. Strange.
Skirt Elevator.

N^o 23,213.

Patented May 8, 1860.

Fig. 1.

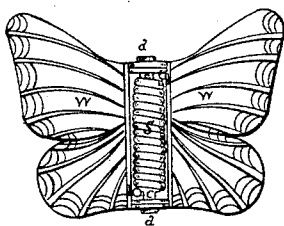


Fig. 3.

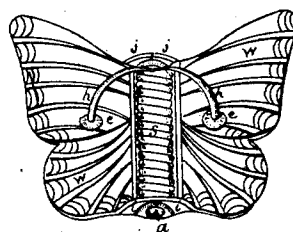
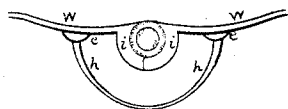


Fig. 2.



Witnesses.

J. W. Porter
Amos Whitney

Inventor.

J. W. Strange

UNITED STATES PATENT OFFICE.

JOSEPH W. STRANGE, OF BANGOR, MAINE.

SELF-FASTENING DRESS-HOOK.

Specification of Letters Patent No. 28,213, dated May 8, 1860.

To all whom it may concern:

Be it known that I, JOSEPH W. STRANGE, of Bangor, in the county of Penobscot and State of Maine, have invented a new and useful Self-Fastening Dress-Hook for Fastening Shawls and Scarfs, Confining Dresses at Any Necessary Height, and for Various other Toilet Purposes; and I do hereby declare that the following is a full, clear, and exact description and representation of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a perspective view. Fig. 2 is a sectional view, and Fig. 3 is a reverse perspective view.

The nature of my invention consists in the peculiar arrangement and application of the two sides or wings, with the curved pins attached to the same, and the recovery spring relatively to a shaft or central axis.

In the drawings *c, c*, Fig. 1, represents the shaft, *W, W*, the sides or wings, *S* the recovery spring, *l, l*, the ends of the recovery spring bearing upon the edges of the wings *W, W*, and *a, a*, are the ends of the axle or shaft *c, c*, as riveted.

In Fig. 2 *W, W*, are the wings as shown at *W, W*, Fig. 1. *h, h*, are the curved pins which penetrate and hold the garment. *e, e*, are two convex plates in which the pins *h, h*, are inserted and by the aid of which the pins are soldered to the wings. *i, i*, are the perforated flanges formed on the wings *W, W*, through which flanges the shaft *c, c*, Fig. 1 passes as shown at *a, a*, Fig. 1.

In Fig. 3 *W, W*, are the reverse or under sides of the wings as shown at *W, W*, Fig. 1. *S* is the recovery spring as shown at *S* Fig. 1, and through the coil of which the shaft *c, c*, Fig. 1 passes. *h, h*, are the curved pins as shown at *h, h*, Fig. 2. *e, e*, are the convex plates as shown at *e, e*, Fig. 2. *i, i, i, i*, are the perforated flanges as shown at *i, i*, Fig. 2. *a* is the end of the axle which passes through the coil of the spring *S*.

By pressing laterally and inwardly upon the outer edges of the two wings, they are depressed at the center and elevated at the

outer edges, which opens or separates the curved pins, and by discontinuing the pressure upon the wings they return to their first position and thereby the pins seize hold of and retain in its place any article of apparel to which they are applied, which latter motion is caused by the action of the recovery spring *S* the ends of which resting upon the wings *W, W*, as shown at *l, l*, Fig. 1 the elevation of the outer edges of the wings operates to increase the tension of the spring. Therefore so soon as the lateral pressure is removed the spring forces the wings back to their first position and the hooks or curved pins enter the fabric as above described.

It will be apparent that these "dress hooks" are of great utility and convenience for a great variety of purposes, as they can be instantly adjusted, and being self-fastening they retain their place upon the garment to which they are applied, and are always to be found in the right place at the moment when wanted.

I make my dress hooks of any suitable material such as gold, silver, brass, and other metals, and of various sizes and designs, with one or more pairs of pins. These pins may be fastened to the wings with sufficient strength without the use or aid of the concave plates *e, e*, provided they be soldered to the wings with what artisans term "hard solder."

What I claim as my invention and desire to secure by Letters Patent is—

My self-fastening dress hook as above described with the axle or shaft *c, c*, the wings *W, W*, the recovery spring *S*, the curved pins or hooks *h, h*, and the perforated flanges severally marked *i*, and formed upon the wings *W, W*, or if said dress hook be formed or made in any manner substantially the same.

In testimony whereof I have hereunto set my signature.

J. W. STRANGE.

Witnesses:

T. W. PORTER,
AMOS WHITNEY.