

(No Model.)

H. DAVIDSON.
HOOK AND EYE.

No. 524,578.

Patented Aug. 14, 1894.

Fig. 1.

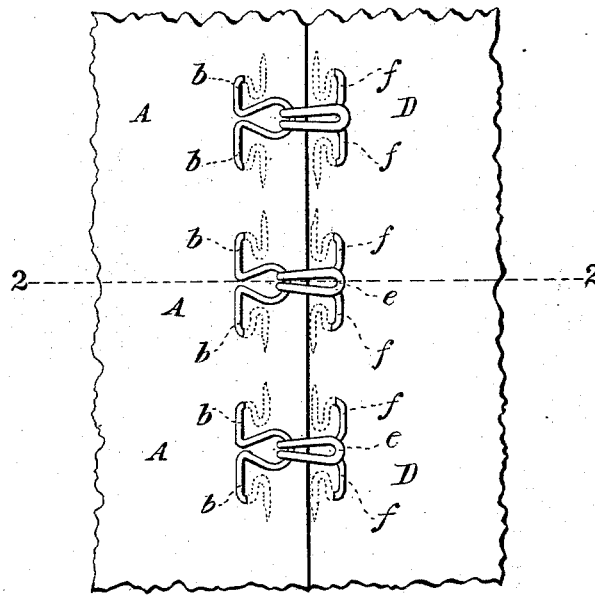


Fig. 2.

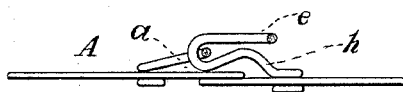


Fig. 3.

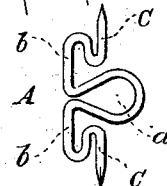
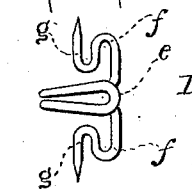


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HARRY DAVIDSON, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO
ALFRED C. CLAPP, OF SAME PLACE.

HOOK AND EYE.

SPECIFICATION forming part of Letters Patent No. 524,578, dated August 14, 1894.

Application filed March 2, 1894. Serial No. 502,032. (No model.)

To all whom it may concern:

Be it known that I, HARRY DAVIDSON, a citizen of the United States, residing at New York, in the county and State of New York, have invented a certain new and useful Improvement in Hook and Eye Fastenings, of which the following is a full, true, and accurate description, reference being had to the accompanying drawings, wherein similar letters refer to corresponding parts in the several views.

The invention relates especially to new and useful improvements in connection with dress-fastenings, and consists in so constructing the hooks and eyes that they may be inserted into and attached to the goods without sewing them thereto, and so that both the hook and the eye will be always firmly secured and remain in position upon the goods, ready to be clasped together and can also easily and quickly be removed therefrom, if desired.

My improved hook and eye also assure a positiveness of engagement with the material of the dress not heretofore attainable in hooks and eyes. Briefly stated, the new results attained by my improvement, when compared with the forms of hooks and eyes commonly employed, are the easy and positive and permanent engagement of the hook or eye with the dress material, permitting the wearer or dress-maker to dispense with the necessity of sewing the hooks and eyes to the goods; also the holding of the hook and eye firmly in the material in position to be engaged with each other; also the facility with which the hook and eye may be removed, and used again on another garment for the same purposes.

Figure 1 is a view of a part of a waist-front, showing three sets of my improved fastenings in engagement with each other. Fig. 2 is a sectional view of one set on the line 2—2 of Fig. 1. Fig. 3 is a top view of my improved eye. Fig. 4 is a top view of my improved hook.

Referring to the drawings, A, is the eye,

and D is the hook. The said eye consists of the loop, *a*, shoulders, *b*, and pointed stays, *c*; and the hook D, consists of the shank, *e*, shoulders, *f*, pointed stays, *g*, and humps, *h*. The object of the use of the shoulders on my hooks and eyes is to prevent the pulling of the fastenings from the garment, and the object of the use of the pointed stays is to thrust through the fabric and clamp so as to maintain the fastenings in position to be hooked together, by preventing them from toppling over, for obviously if the stays, *c*, and *g*, were not present, the fastenings would be unstable and fall into such positions as to prevent the easy and accurate engagement of the parts.

In order to take the greatest advantage of the use of the stays, I prefer to have the ends of the wires, as at *c* and *g* bent, so that the stays shall be in a position to give the greatest support. When using my improvement, I prefer that the ends of the stays shall be sharpened or pointed, and the bends of the stay and shoulder rounded, to facilitate insertion into the goods, and I also prefer to add a "hump" to the hook, below the point of its shank, to assist in holding the hook and eye together and preventing the hook from sliding out of the eye when the other hooks are being engaged, but this hump is not a necessary part of my invention and may be dispensed with.

My improved fastenings are attached to garments by first passing one of the points of the stay into the fabric and continuing the insertion through the fabric until the shoulder rests upon the fabric and then passing the other point into the garment, in a similar manner.

What I claim, and desire to secure, is—

1. In a hook and eye fastening, a self fastening hook, having a pair of oppositely projecting stays or fastenings connected to the inner extremity of and standing beside the hook shank, each stay consisting of a wire bent into three substantially parallel arms connected by curves all lying in substantially

the same plane as the shank of the hook, substantially as described.

2. In a hook and eye fastening, a self fastening eye having a pair of oppositely projecting stays or fastenings connected to its
5 ends, each stay consisting of a wire bent into three substantially parallel arms connected by curves all lying in substantially the same

plane as the eye, substantially as and for the purpose described.

In witness whereof I have hereunto signed
my name this 1st day of March, 1894.

HARRY DAVIDSON.

In presence of—

WM. H. BERRIGAN, Jr.,

SAML. R. BETTS.