

L. K. ENGLE.
 HOOK AND EYE.
 APPLICATION FILED JUNE 25, 1912.

1,065,120.

Patented June 17, 1913.

Fig. 1.

Fig. 6.

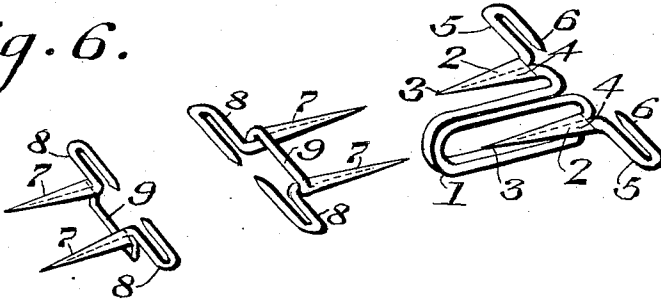


Fig. 3.

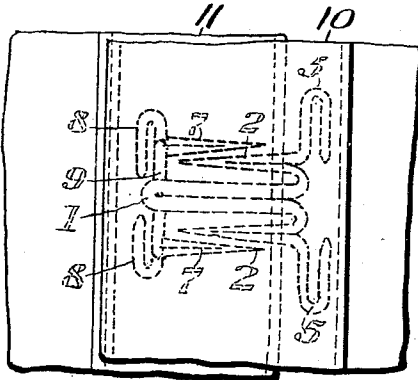


Fig. 4.



Fig. 5.

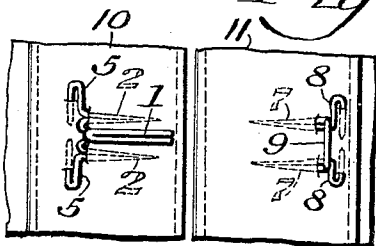
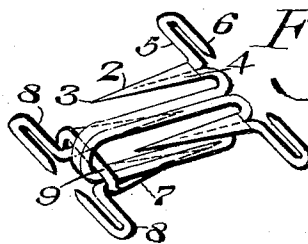


Fig. 2.



WITNESSES

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LILLIAN K. ENGLE, OF PHILADELPHIA, PENNSYLVANIA.

HOOK AND EYE.

1,065,120.

Specification of Letters Patent.

Patented June 17, 1913.

Application filed June 25, 1912. Serial No. 705,701.

To all whom it may concern:

Be it known that I, LILLIAN K. ENGLE, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Hook and Eye, of which the following is a specification.

My invention consists of an improved garment fastener which may be detachably secured to the fabric of a garment without the use of stitches.

It further consists of such fastener provided with means for preventing lateral movement of the same.

It further consists of such fastener in which the strain upon the same serves to more firmly secure it.

It further consists of other novel features of construction, all as will be hereinafter fully set forth.

The annexed drawing and the following description set forth in detail one mechanical form embodying the invention, such detail construction being but one of various mechanical forms in which the principle of the invention may be used.

In the annexed drawings—Figure 1 represents a perspective view of a hook and eye embodying my invention,—the members being illustrated as detached. Fig. 2 represents a perspective view of the hook and eye engaged. Fig. 3 represents a plan view of two pieces of fabric connected by the fasteners, which appear in dotted lines beneath the fabric. Fig. 4 represents an edge-view of the engaged parts of the fastener. Fig. 5 represents a plan view of the members secured in the fabric. Fig. 6 represents a perspective view of the eye.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings, the hook fastener member is preferably made from one piece of wire, which is doubled upon itself to form a hook, 1, which in the present instance has its limbs parallel and in contact with one another, although it is evident that the hook may be made of any desired shape and width.

The wire is doubled upon itself at both sides of the hook to form prongs, 2, which are preferably pointed at their doubled ends,

3, and connected by means of solder, 4. The ends of the wire are bent laterally and are doubled upon themselves to form hooks, 55 5, the ends, 6, of which are pointed. The eye fastener member is similarly formed from one piece of wire, bent and doubled to form prongs, 7, and lateral hooks, 8; and the engaging portion, 9, of the eye, which is to be engaged by the hook, is straight, as in the 60 illustrated form, or of any shape suitable to fit the particular form of hook with which it is used. The engaging portion of the eye-member is preferably raised from the plane 65 of the prongs and the lateral hooks which are in the same plane.

When the fasteners are to be secured to the two parts of the garment, the prongs are inserted through the fabric, 10 and 11, 70 to point in the direction from which the pull upon them, when locked, will come. The lateral hooks are thereupon inserted through the fabric from opposite sides of the fastener. 75

When the two fastener-members are engaged, the strain upon the same will tend to draw the prongs into the fabric, and the lateral hooks will secure the members flat to the fabric and prevent all lateral rocking or sliding of the members. 80

By the use of my fastener, sewing of hooks and eyes upon garments will be avoided and a broken hook or eye may be easily replaced. The pulling strain upon the members will 85 be borne by the prongs and the laterally bent parts of the members, and the lateral hooks will serve to steady the members in their position upon the fabric.

While the fastener has been referred to as a garment fastener, it is evident that it may be applied in fastening any fabric. 90

Other modes of applying the principles of my invention may be employed for the mode herein explained. Change may therefore be 95 made as regards the mechanism thus disclosed, provided the principles of construction set forth in the following claim are employed.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:— 100

A fastener comprising a hook, pointed piercing prongs at opposite sides and im-

mediately adjoining said hook and of approximately the same length, and doubled hooks extending laterally at the inner ends of said prongs at approximately right angles to the same and having their inwardly directed ends pointed, whereby the pulling strain upon the hook when the fastener is

secured in fabric is directly borne by the prongs and lateral strain is borne by the pointed hooks inserted through the fabric.

LILLIAN K. ENGLE.

Witnesses:

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