No. 849,161. PATENTED APR. 2, 1907.

M. J. RATTIGAN.

HOOK AND EYE.

APPLICATION FILED DEC. 27, 1905.

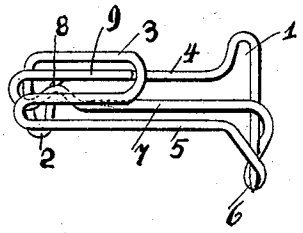


Fig. 1.

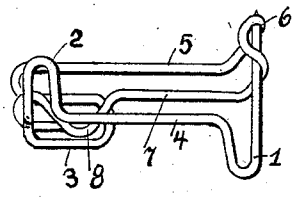


Fig. 2.

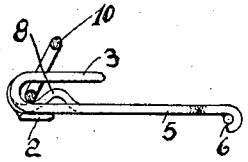


Fig. 3.

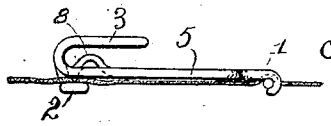
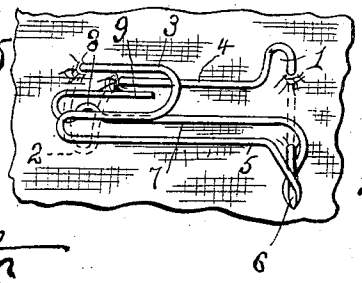


Fig. 4.

Fig. 5



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UNITED STATES PATENT OFFICE.

MARY J. RATTIGAN, OF PITTSBURG, PENNSYLVANIA.

HOOK AND EYE.

No. 849,161. Specification of Letters Patent. Patented Nov. 2, 1907.

Application filed December 27, 1905. Serial No. 293,508.

To all whom it may concern:

Be it known that I, MARY J. RATTIGAN, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Hooks and Eyes, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in hooks for eyes; and the invention has for its object to provide a novel and inexpensive hook formed of a single piece of wire wherein novel means is provided for firmly holding an eye in engagement with said hook.

Another object of this invention is to provide a hook for eyes which can be easily placed in engagement with a piece of fabric or cloth, novel means also being provided for preventing the outer end of the hook from shifting upon the fabric or cloth, said means being adapted to engage the fabric or cloth and hold the hook just the same as if it were sewed.

Briefly described, my improved hook is constructed of a single piece of wire which is bent to form a transverse link or pin, by which the hook may be fastened to a garment or piece of fabric. The wire is also bent to form a hook-shaped member having a resilient catch or clip adapted to engage an eye after it has been passed into engagement with the hook to retain the same therein.

The manner of twisting a piece of wire to form a hook, together with the detail construction of the same, will be hereinafter more fully described and claimed, and, referring to the drawings accompanying this application, like numerals of reference designate corresponding parts throughout the several views, in which—

Figure 1 is a perspective view of my improved hook. Fig. 2 is a perspective view looking at the bottom of the hook, and Fig. 3 is a side elevation. Fig. 4 is a side view of the device, showing the same fastened to a piece of fabric. Fig. 5 is a perspective view of the improved device applied.

To put my invention into practice, I use a single piece of wire, the one end of which is bent to form one-half of a transverse link, as at 1. The wire is then bent to form a transverse support 2, which lies at the base and end of the hook portion 3, said hook portion being formed by bending the wire upon itself, as clearly illustrated in Figs. 1 and 3 of the drawings. The wire is then bent outwardly in parallel alinement with the strand of wire 4, forming a strand 5, both of which constitute the back or shank portion of the hook. The wire is then bent around the prong or pin end 6 of the half-link 1 and is returned toward the hook-shaped member, as at 7, between the strands 4 and 5. This end of the wire is then bent upwardly, as at 8, and forwardly between the hook-shaped member, as at 9, to form a resilient catch or clip.

In bending the wire around the prong or pin end 6 of the half-link 1 the link is completed, and this link corresponds substantially to a safety-pin, by which the hook is fastened to a garment or piece of fabric. When the hook has been pinned to a piece of fabric, the fabric is adapted to engage between the transverse support 2 and the strand 5 and prevent the outer end of the hook from shifting upon the fabric after it has been pinned thereto.

When an eye 10 is to be placed in engagement with the hook, the eye is passed between the hook portion 3 and the catch or clip 8, this movement of the eye depressing the catch or clip until the eye has receded into the hook, at which time the resilient catch or clip assumes its normal position, thus retaining the eye 10 in the lower portion of the hook-shaped member and preventing it from becoming easily detached therefrom. The transverse support 2, which is provided in the early formation of the hook, also serves to limit the movement of the resilient catch or clip, at the same time supporting the strand 5 of the hook.

The transverse support 2 forms the particular feature of my invention, and this support can be secured to a piece of fabric or garment, whereby the forward end of the hook will be fixed in conjunction with the rear end. It is a well-known fact that heretofore it has been the practice to only fasten the rear end of the hook to entirely secure the shank portion of the hook to a garment; but the construction of my improved hook permits of both ends of the hook being secured to a garment, thereby insuring an easy manipulation of the hook and garment when it is desired to engage the same in an eye.

My invention resides entirely in the formation of the hook from a single piece of

wire wherein the catch or clip is provided for retaining an eye in engagement therewith and such changes in the manner of bending the wire to accomplish the desired result, as are permissible by the appended claims, may be resorted to without departing from the spirit and scope of the invention.

What I claim, and desire to secure by Letters Patent, is—

A combined hook and saftey-pin comprising a single piece of wire bent to provide a transversely-extending link constituting a pin for the attachment of the device to a fabric, a shank portion formed of two strands of wire, said two strands of wire being bent so as to form means for engaging the pin and locking the same, one of said strands being bent to form a resilient member extending across the line of travel of the eye and adapted to hold said eye within the hook and a support for said resilient member, said support extending transversely of the device and being adapted to clasp a piece of fabric inserted between it and one of the strands of the hook, said support being a continuation of the pin member and adapted to clasp the fabric throughout its entire length.

In testimony whereof I affix my signature in the presence of two witnesses.

MARY J. RATTIGAN.

Witnesses:
E. E. POTTER,
M. E. WHITE.