

(No Model.)

F. H. GORRELL.
HOOK AND EYE.

No. 580,083.

Patented Apr. 6, 1897.

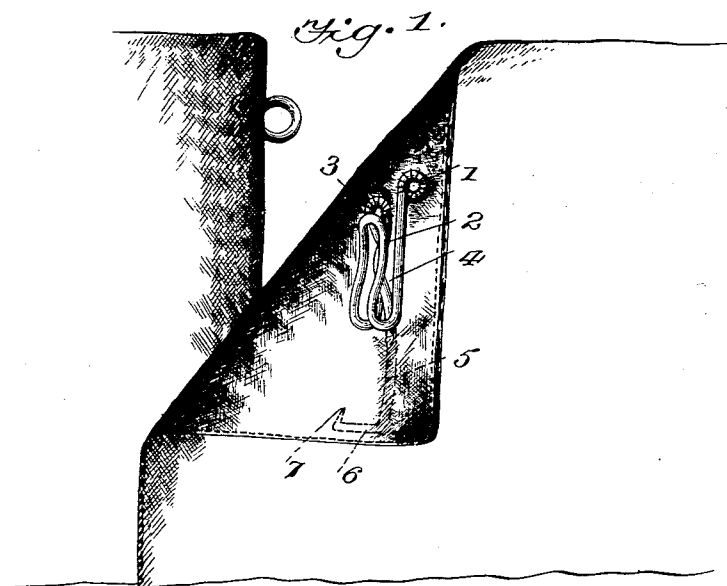


Fig. 2.

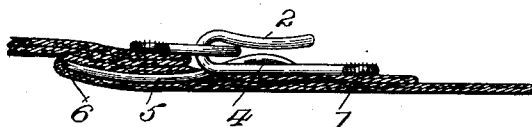
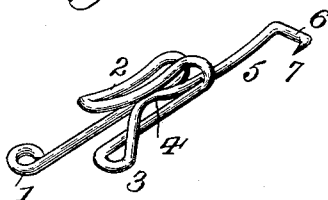


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

FRANCES HENDRICKS GORRELL, OF NEWTON, IOWA.

HOOK AND EYE.

SPECIFICATION forming part of Letters Patent No. 580,083, dated April 6, 1897.

Application filed October 30, 1896. Serial No. 610,614. (No model.)

To all whom it may concern:

Be it known that I, FRANCES HENDRICKS GORRELL, a citizen of the United States, residing at Newton, in the county of Jasper and State of Iowa, have invented certain new and useful Improvements in Hooks and Eyes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to the hook member of a hook-and-eye fastening for garments, and particularly to a hook provided with means for holding the outer flap of a dress or other garment down close to the inner flap and to thus prevent the unsightly gaping of the two parts.

In the use of ordinary hooks and eyes the hook is usually secured some distance back of the edge of the material to form a covering-flap to conceal the meeting edges of the garment. This expedient, however, fails to accomplish its intended purpose, and the result is that an unsightly gap is formed which exposes the fastenings and often the undergarments to view. Especially is this the case when the garment fits closely, as there is considerable strain on the material at the point of fastening the hooks. Heretofore it has been a common practice to pin the outer flap down to prevent gaping.

The primary object of my invention is to form a hook in such a manner that the edge of the outer flap is held closely down upon the inner flap and to make a neat closing of the two parts to be temporarily fastened together.

Another object is to have the loops or eyes of the hook which are to be stitched to the material at different points within the length of the hook, so that the hook will not have a tendency to pull away from the material, as is usually the case with ordinary hooks secured only at the two rear loops or eyes.

Still another object is to have an extension forward of the bill of the hook which forms a third fastening-point and also serves to hold the edge of the flap extended and down closely to the under flap.

Another object is to have a hook provided with three different points of attachment in different planes within the length of the hook, only two of which are required to be fastened by stitches, and the third by passing the end of the pointed projection within the hem of the garment to lie between the several thicknesses of the hem to hold the flaps in continuity.

I attain these desirable objects by means of the construction shown in the accompanying drawings, which form a part of this specification, and in which—

Figure 1 shows a plan view of the two meeting edges of a garment with the upper flap turned down at the upper corner to show the manner of securing the hook in place. Fig. 2 is a section through the fabric to show the hook and eye when fastened. Fig. 3 is a perspective view of the hook member of my fastening.

Like numerals indicate like parts wherever they occur.

A single piece of suitable wire is used to form my hook, and one end of the wire is bent to form the fastening loop or eye 1, and this strand of the wire is then continued forward to form the bill of the hook 2 and is then carried back to form the side eye or loop 3. From this point the wire is bent upward over one of the strands to form a curve or hump 4 to prevent the eye from becoming accidentally detached, and from thence the wire extends between the two strands forming the shank and is curved upward and forward a sufficient distance to form the extension 5, which terminates in a lateral projection 6, having a terminal point 7 turning toward the hook 2.

To attach my hook to the fabric, I insert the point 7 within the hem and push the hook forward until the lateral extension 6 lies close to the inside of the doubled portion of the hem, and then the two loops or eyes 1 and 3 are stitched in place. In this way the extension 5 and the lateral projection 6 hold the upper flap down closely and are concealed, while the hook is only required to be stitched at two points.

Any ordinary eye member may be used with my improved hook.

It will be noted that while my hook member accomplishes very desirable functions in

a fastening for garments, its cost of production is not materially greater than that of the ordinary hook in common use.

Without desiring to be limited to the exact construction shown, what I wish to secure by Letters Patent and claim is—

1. A garment-hook formed from a single piece of wire having at one end a fastening eye or loop, at its opposite end a penetrating-point, a hook intermediate said eye and point, an eye at the side of the hook, and one strand of wire crossing under the bill of the hook to prevent the eye from becoming accidentally detached, substantially as described.

2. A hook having a fastening-loop at one end, a lateral projection at the opposite end, an intermediate hook and a fastening-loop at the side of the hook, said fastening-loops and projection being located at three different points within the length of the hook, substantially as described.

3. A hook member of a hook-and-eye fas-

tening having a forwardly-projecting extension, a lateral projection from said extension, and a penetrating-point on the lateral projection, substantially as described.

4. A hook formed from a single piece of wire, one end of which is formed into a fastening-loop, and the other end into a forwardly-projecting and curved extension having a point, an intermediate hook, a fastening-eye at the side of the hook, and a curved bend under the bill of the hook, substantially as described.

5. A hook comprising the eyes 1 and 3, the extension 5 having the point 7, the hook 2, and the curved bend 4, substantially as described.

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

FRANCES HENDRICKS GORRELL.

Witnesses:

PEARL RANDALL,
CLARA HENDRICKS.