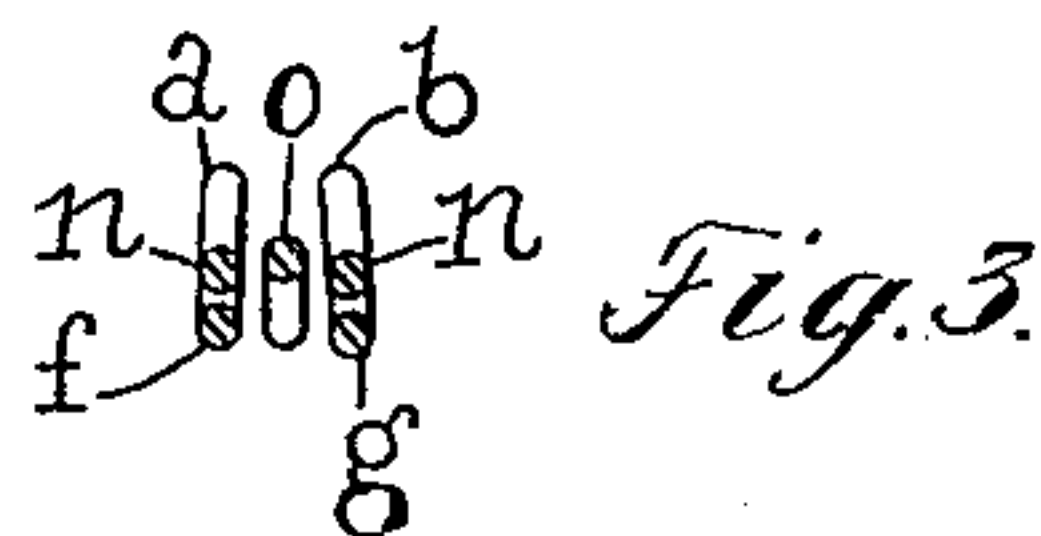
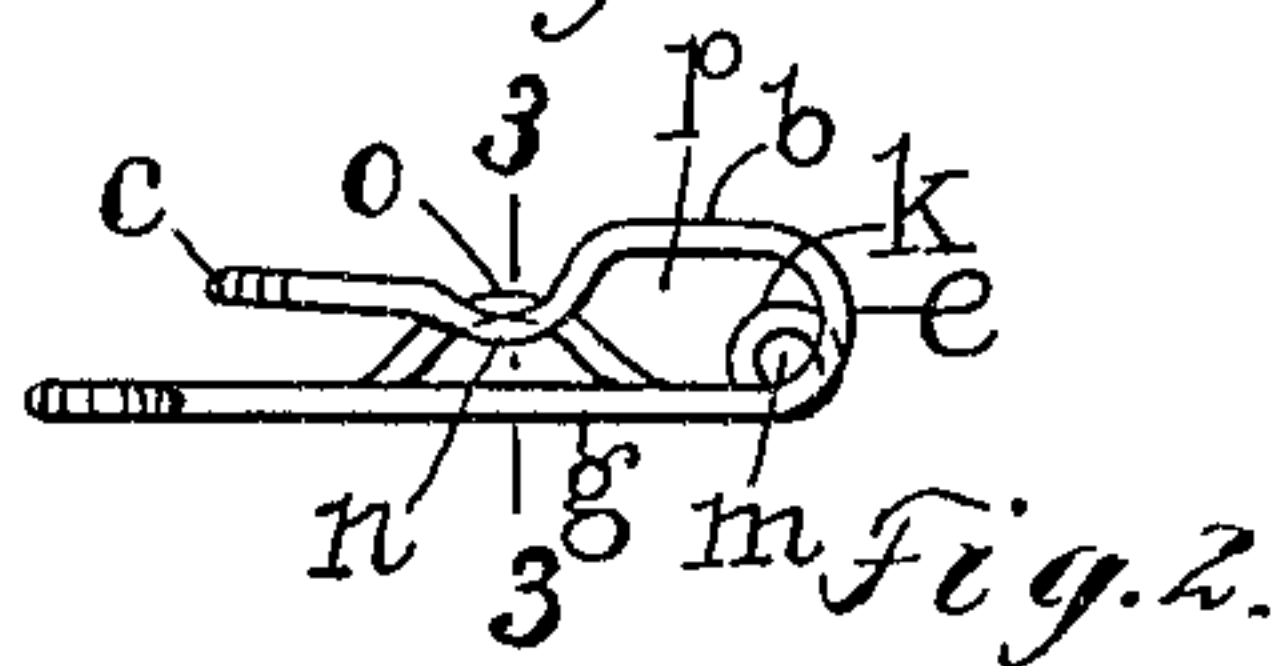
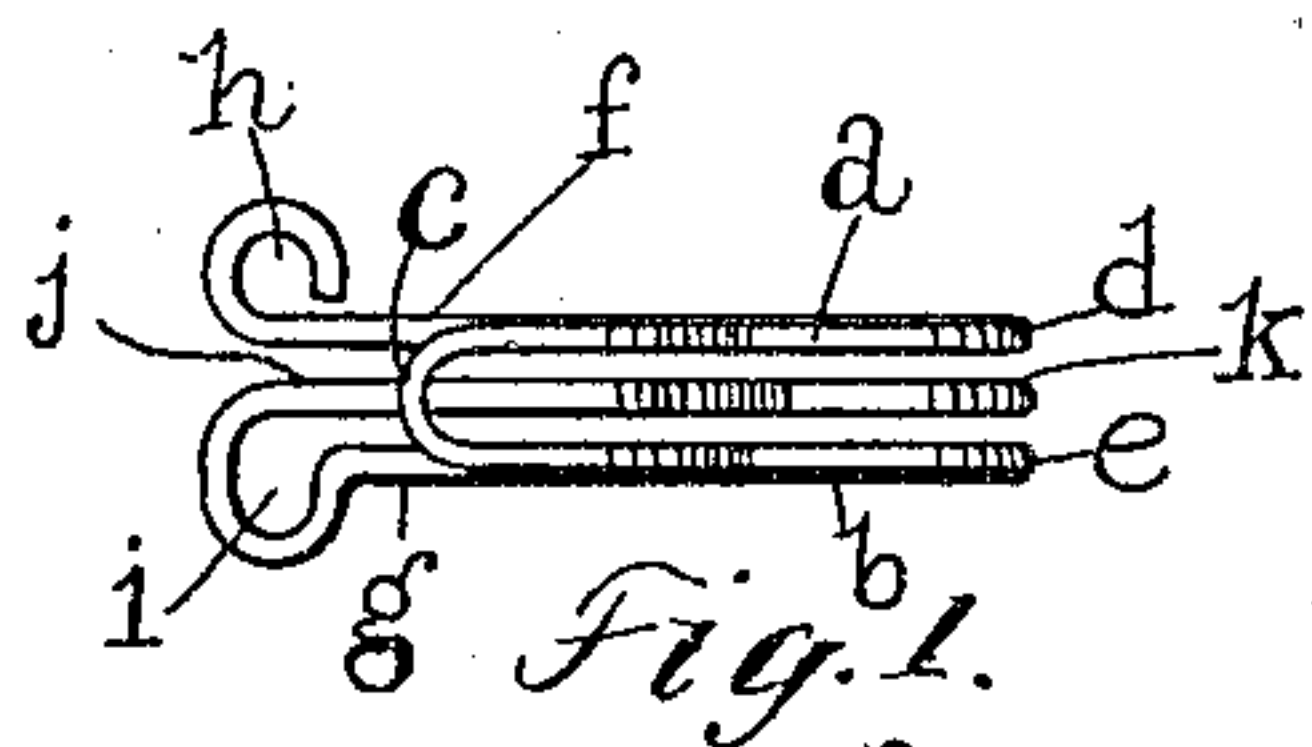


No. 844,841.

PATENTED FEB. 19, 1907.

E. E. WILLEY.  
GARMENT FASTENER.  
APPLICATION FILED MAY 2, 1906.



*Witnesses.*  
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att'y.

# UNITED STATES PATENT OFFICE.

EDGAR E. WILLEY, OF QUINCY, MASSACHUSETTS.

## GARMENT-FASTENER.

No. 844,841.

Specification of Letters Patent.

Patented Feb. 19, 1907.

Application filed May 2, 1906. Serial No. 314,763.

*To all whom it may concern:*

Be it known that I, EDGAR E. WILLEY, a citizen of the United States, residing in Quincy, in the county of Norfolk and State of Massachusetts, have invented an Improvement in Garment-Fasteners, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention relates to garment-fasteners of that class comprising a hook member and an eye member.

The invention relates more particularly to the hook member, and has for its object to provide a simple and efficient member of novel construction, as will be described, whereby the said member may be more effectively secured to the garment against movement thereon and whereby said member may lock the eye member in a most effective manner, as will be described. These and other features of this invention will be pointed out in the claim at the end of this specification.

Figure 1 is a plan view, on an enlarged scale, of a hook member embodying this invention; Fig. 2, a side elevation of the hook member shown in Fig. 1; and Fig. 3, a cross-section on the line 3 3, Fig. 2.

In accordance with this invention the hook member is made from a single piece of wire, which is bent to form the hook proper, which comprises two arms *a b*, connected together at their rear end by the curved portion *c* and connected at their front end by the curved portions *d e* with two garment-engaging arms *f g*, which latter are substantially in line with the arms *a b* and are provided with eyes *h i*, which afford means for securing the rear end of the hook member to the garment by stitches in the usual manner. One of the features of the present invention consists in providing means at the front end of the hook member by which that end of said member may be sewed or stitched to the garment so as to securely fasten the said end of the hook member and prevent movement of the hook member with relation to the garment, or vice versa. For this purpose the end *j* of the wire which is employed to form the eye *i* is extended between the arms *f g* to near the front or curved ends of the same, substantially parallel therewith, and is curved or bent back upon itself, as at *k*, to form an eye *m*, through which stitches

may be passed to sew the front end of the hook member to the garment. The end *k* of the wire is bent or curved so as to form a closed or substantially closed eye *m*, so that the stitches cannot pass out of the eye. It will thus be seen that the hook member is provided with eyes at its opposite ends, by means of which said member is secured at both ends to the garment against movement thereon, and consequently the hook member is secured to the garment in fixed relation thereto, thereby avoiding movement of the garment with relation to the hook, or vice versa, consequently preventing gaping of the garment and exposure of the fastener.

Provision is made for locking the eye member in engagement with the hook member against accidental disengagement, and this result may be accomplished, as herein shown, by providing the arms *a b* intermediate their ends with bends *n*, which extend toward the arms *f g*, and by providing the arm *j* with a bend *o*, which extends toward, and preferably beyond, the bends *n*, as clearly shown in Fig. 2, thereby practically forming a closed loop *p*, within which the eye member is confined against accidental disengagement. It will also be observed that the bend *o* is out of line with and between the bends *n*, and as a result said bends can be carried by each other any desired distance within limits, so as to require more or less movement of the hook proper away from the garment-engaging members, thereby insuring the eye member being engaged with the hook against accidental disengagement and requiring positive pressure of the eye member upon the bends to wedge or force them apart sufficiently to permit of the passage of the eye member between them.

The eye member is not herein shown, as it may be of any suitable or usual construction and is well known.

I claim—

1. In a garment-fastener, a hook member comprising a hook proper consisting of two arms having bends intermediate their ends, two garment-engaging arms connected at their front ends with the arms of the hook proper, and an arm intermediate the garment-engaging arms connected to one of them at its rear end and extended toward the front end of said garment-engaging arms and upwardly bent at its end to form a vertically-arranged eye, said intermediate arm having a bend intermediate its ends coöper-



ating with the bends in the arms of the hook proper, substantially as described.

2. In a garment-fastener, a hook member comprising a hook proper consisting of two arms having bends intermediate their ends, two garment-engaging arms connected to the hook-arms at one end and provided with substantially horizontal bends forming eyes at their opposite end, and an arm intermediate the garment-engaging arms connected to one of them and extended toward the other end of said arms and having its free end bent upwardly to form a vertically-arranged eye, said intermediate arm having a bend intermediate its ends which coöperates with and extends to the level of the bends in the arms of the hook proper to form a closed loop, substantially as described.

3. In a garment-fastener, a hook member composed of wire bent to form two arms constituting the hook proper and having bends in them intermediate their ends, two garment-engaging arms connected with the arms of the hook, and an arm connected to

one of the garment-engaging arms at one end thereof and extended toward the other end thereof intermediate the garment-engaging arms and provided with a bend extended to the level of the bends in the arms of the hook to form a closed loop, substantially as described.

4. In a garment-fastener, a hook member composed of a single piece of wire bent to form two arms constituting the hook proper, two garment-engaging arms having eyes, and an arm connected to one of the garment-engaging arms and extended intermediate the same, said intermediate arm and one of said hook-arms having bends extended toward and by one another to form a closed loop, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EDGAR E. WILLEY.

Witnesses:

RICHARD H. SMITH,  
HUGH L. KERWIN.