

No. 811,005.

PATENTED JAN. 30, 1906.

W. H. UNKE.
GARMENT FASTENER.
APPLICATION FILED JUNE 20, 1904.

Fig. 1.

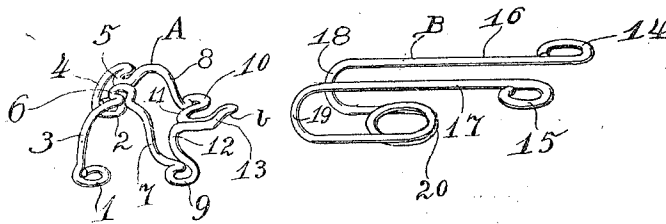


Fig. 2.

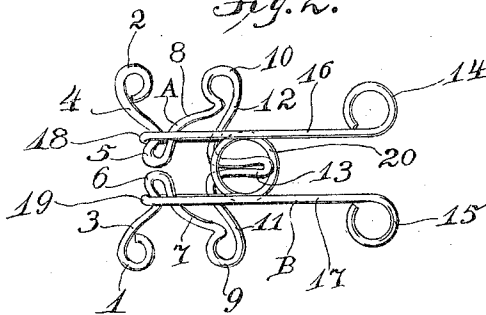
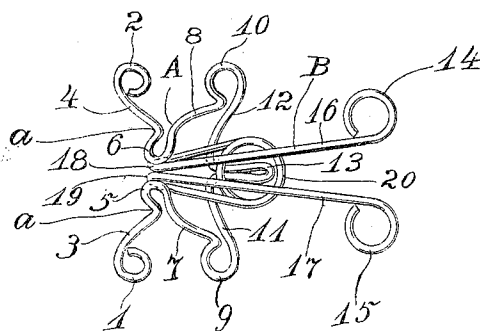


Fig. 3.



WITNESSES:

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GARMENT-FASTENER.

No. 811,005.

Specification of Letters Patent.

Patented Jan. 30, 1906.

Application filed June 20, 1904. Serial No. 213,260.

To all whom it may concern:

Be it known that I, WILLIAM H. UNKE, a citizen of the United States, residing at Duluth, in the county of St. Louis and State of Minnesota, have invented certain new and useful Improvements in Garment-Fasteners; and I do hereby 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.

My invention relates to garment-fasteners, and has for its object the provision of a fastener comprising two parts, respectively secured to opposite edges or portions of the garment and adapted in operation to engage each other to secure the opposite portions of the garment together and to engage in such manner that accidental disengagement by a thrust in any direction will not usually be possible.

With this and other objects in view it consists of a hook member and an eye member preferably formed of wire bent into the required shapes to form the desired construction.

In the drawings, Figure 1 is a perspective view of the two members of said invention in disengaged position. Fig. 2 is a top plan view of the same in engaged position, and Fig. 3 is a top plan view of the same during the operation of disengaging.

In the drawings the member A is preferably formed of a single wire bent to form the eyes 1 and 2, the legs 3 and 4, the hooks 5 and 6, the legs 7 and 8, the eyes 9 and 10, the legs 11 and 12, and the tongue or hook 13, centrally positioned between said legs 11 and 12 and extending forwardly and upwardly from the inner ends thereof. The loops forming said eyes 1, 2, 9, and 10 are bent approximately at right angles to the legs 3, 4, 7, and 8, continuing therefrom, and are in a plane parallel to the plane of the loops forming said hooks 5 and 6 and to the plane of the legs 11 and 12. As shown in the drawings, said hooks 5 and 6 are on a higher plane than the tongue or hook 13. It will also be observed that the legs 3, 4, 7, and 8 are preferably spawled, thus affording a relatively broad base for the higher portions of said members. Said member is adapted to be sewed to the garment through the eyes 1, 2, 9, and 10 in the usual manner of sewing on hooks and eyes. The member B is also preferably formed of a single wire bent to form the eyes

14 and 15 at its terminals, the shanks 16 and 17, the loops or hook portions 18 and 19, and the central eye 20. It will be observed that the vertical distance between the base of the tongue 13 and the horizontal plane of the hooks 5 and 6 is substantially the same as the distance between the plane of the shanks 16 and 17 and that of the parallel plane of the loop forming the eye 20, also that the distance between the bend *a* of the hook 5 and the bend *a* of the hook 6 is the same as the distance between the hooks 18 and 19, also that the distance between the bends *a* of the hooks 5 and 6 and the bend *b* of the tongue 13 is approximately the same as the distance between the inner curve of the hooks 18 and 19 and the most distant inner curve of the eye 20. The member B is adapted to be sewed to the garment through the eyes 14 and 15 in the well-known manner for sewing on hooks and eyes.

In operation the member B is engaged with the member A by passing the loop or eye 20 over and beyond the member A and then drawing it back below said hooks 5 and 6 until the hooks 18 and 19 engage the bends *a* of said hooks 5 and 6, at which time said eye 20 will drop over said tongue or hook 13 and the shanks 16 and 17 will extend over said hooks 5 and 6. It will now be evident that a further pull in the same direction will be impossible on account of the engagement of the hooks 18 and 19 with the hooks 5 and 6, respectively, while a push in the opposite direction will not effect the disengagement of said members because of the engagement of said tongue 13 with said eye 20. In order, however, to disengage said members, it will only be necessary to transversely pinch together the hooks 18 and 19, as shown in Fig. 3, by pressing together the portions of the shanks adjoining the bends of said hooks and then drawing the members A and B apart from each other. The elasticity of the wire of the member A will then permit of the pinched hooks 18 and 19 wedging apart the hooks 5 and 6 sufficiently to permit the passage of the hook portions 18 and 19 between them. At the same time the eye 20 slips off of the tongue 13, and the disengagement of the members A and B is completed.

Having now described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a garment-fastener, the combination of a hook member and an eye member, one of

which embodies six legs terminating at their lower ends in attaching-eyes, the upper ends of the rearward legs terminating in rearwardly-directed hooks, the inner ends of the
 5 two forward legs terminating in a forwardly and upwardly directed hook at a lower plane than the said rearwardly-directed hooks, the other of which members embodies two shank portions terminating at one end in attaching
 10 loops or eyes and curved or bent intermediate of their ends to form parallel hooks and terminating at their opposite ends in a single loop underlying an intermediate portion of said shanks parallel with the mutual plane of
 15 the portion of said shanks extending from the said eyes to said hooks substantially as described.

2. In a garment-fastener, a hook member and an eye member adapted to be attached
 20 to a predetermined portion of the garment and comprising a member formed of a single wire bent to form four attaching loops or eyes in the same plane, with each other, six legs extending from said loops, the rearward leg on
 25 each side being bent near its junction with the intermediate leg on the same side to form a rearwardly-directed hook contacting at its junction with said intermediate leg with the point of junction of the opposite intermediate
 30 leg and opposite rearward leg, the forward said legs being bent near their junction to form a forwardly and upwardly directed tongue at a lower plane than said hooks, and a second member provided with attaching
 35 loops or eyes, hooks adapted to engage the hooks of the first said member and an eye adapted to engage the tongue of the first said member, said hooks of the said second member being adapted to be pinched together into
 40 disengaging position so as to wedge apart and pass between the hooks of the first said member, substantially as described.

3. In a garment-fastener the combination of a hook member and an eye member, adapted
 45 to engage each other, one of said members be-

ing provided with two hooks and a tongue and garment-attaching portions, and the other of said members being provided with two hook portions adapted in operative position to engage the hooks of the first said member
 50 and an eye portion adapted in operative position to engage the tongue of the first said member, and garment-attaching portions, the hook portions of the second said member being laterally compressible and when so compressed being adapted to be disengaged from
 55 the other member by movement in the same direction as that which effected the first engagement of said members with each other, substantially as described.

4. In a garment-fastener, the combination of a hook member and an eye member, one of said members having attaching portions for securing the member to the apparel or article
 60 for which it is used, said one of said members having two hooks formed thereon contiguous to each other, said one of said members also being provided with a tongue, the other of said members being bent intermediate of its ends to form parallel hooks adapted in normal op-
 70 erative position to engage the hooks on the first said member and being laterally compressible and adapted in compressed releasing position to pass between the hooks of the first said member and out of engagement
 75 therewith, the second said member being bent at or near its center to form an eye adapted in operative position to engage the tongue of the first said member, and the second said member being provided with attaching por-
 80 tions for securing said second member to the apparel or article for the use of which it is intended.

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

WILLIAM H. UNKE.

Witnesses:

JAMES T. WATSON
 H. H. PHELPS.