

E. M. RHODES.
HOOK AND EYE.
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1,040,758.

Patented Oct. 8, 1912.

Fig. 1.

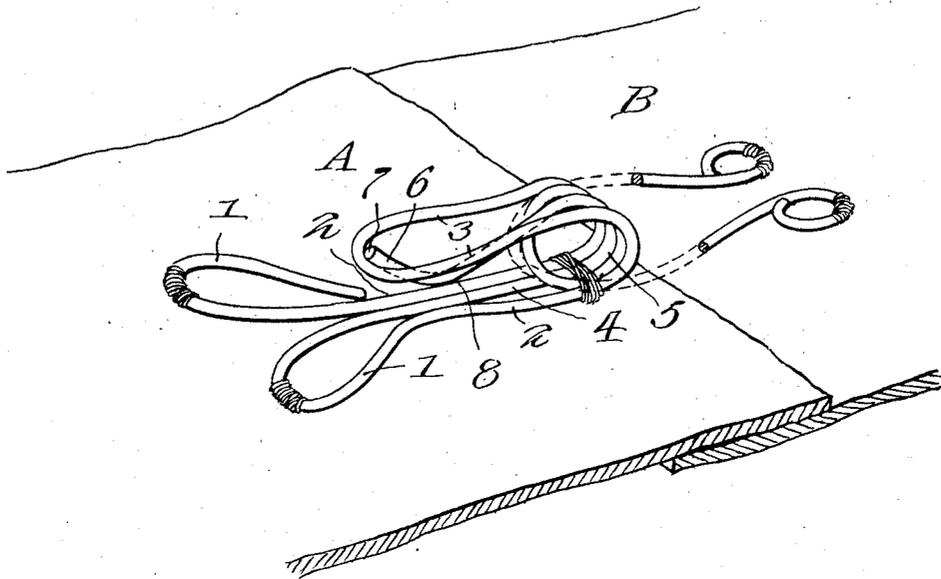
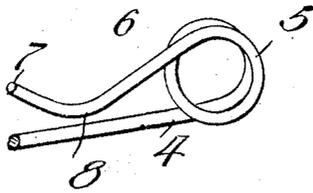


Fig. 2.



Witnesses

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ELLEN MARY RHODES, OF DERRY, PENNSYLVANIA.

HOOK AND EYE.

1,040,758.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ELLEN MARY RHODES, a citizen of the United States, residing at Derry, in the county of Westmoreland and State of Pennsylvania, have invented new and useful Improvements in Hooks and Eyes, of which the following is a specification.

This invention relates to garment fasteners of the hook and eye class, and the invention resides particularly in the construction of the hook.

The invention has for one of its objects to provide a novel hook which can be sewed to the garment both at the usual attaching eyes and at the bill end of the shank or body of the hook, the threads at the latter point being protected from the wearing action of the eye engaged with the hook.

Another object of the invention is the provision of an improved spring tongue associated with the bill of the hook for retaining the eye engaged with the latter.

With these objects in view, and others as will appear as the description proceeds, the invention comprises the various novel features of construction and arrangement of parts which will be more fully described hereinafter and set forth with particularity in the claim appended hereto.

In the accompanying drawing, which illustrates one embodiment of the invention:— Figure 1 is a perspective view of the hook and eye, a portion of the eye being broken away. Fig. 2 is a perspective view of the tongue portion of the hook together with the thread protecting eye.

Similar reference characters are employed to designate corresponding parts throughout the several views.

Referring to the drawing, A designates an improved hook with which is engaged the eye B of the usual construction. The hook is made of a single piece of metal and bent into proper shape for forming the attaching eyes 1, the side members 2 of the shank, the bill members 3, and the central shank member 4 which has the end adjacent the root or bend of the bill formed into a coil 5 disposed within the bill and projecting from the coil is a spring tongue 6 which lies between the side members 3 of the bill and has its free extremity 7 terminating at the top of the bill. This tongue is bent downwardly toward the shank of the hook and lies over the central member 4 thereof, and by thus

bending the tongue, the hump 8 is provided that effectively retains the eye B of the fastening engaged under the bill. The coil 5 constitutes an attaching eye through which the threads pass that secure the bill end of the hook on the fabric or garment, it being, of course, understood that the hook will be attached by the eye 1 in the usual manner by threads. The eye B when locked in the hook is prevented from bearing on the threads attaching the bill end of the hook, because the coil prevents the eye B from extending to the root or bend of the bill. The coil also adds to the resiliency of the spring tongue 6. It will thus be seen that two functions are performed by the coil 5 in that it serves as an attaching eye and protector for the threads that secure the bill end of the hook to the garment and increases the resiliency of the spring tongue.

From the foregoing description taken in connection with the accompanying drawings, the advantages of the construction and of the method of operation will be readily apparent to those skilled in the art to which the invention relates, and while I have described the principle of operation of the invention, together with the article which I now consider to be the best embodiment thereof, I desire to have it understood that the article shown is merely illustrative and that such changes may be made when desired as are within the scope of the claim.

What I claim as new and desire to secure by Letters Patent is:—

An article of the class described comprising a hook made of a single length of wire bent into a shank consisting of two side members, and a central member all straight and disposed parallel, an eye at the end of one side member, an eye between the end of the other side member and central member, a bill in the form of a loop disposed over the shank and consisting of side members connected with the side members of the shank, the points of connection between the corresponding side members of the shank and bill being bends that are spaced apart, a coil integrally connected with the central member of the shank and disposed between said bends, and a spring tongue having one end integrally connected with the coil and the other end terminating within the loop of the bill and extending the full length thereof and resiliently engaging with the inner wall of the medial portion of the tip portion of

the bill, the intermediate portion of the tongue being formed with a downwardly extending hump which extends in spaced proximity to the central member of the shank to retain the eye in engagement with the hook, said coil forming an abutment with which the eye engages to prevent such eye from engaging the attaching threads applied to the end of the shank opposite from the said

attaching eyes and also increasing the resiliency of the spring tongue. 10

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

ELLEN MARY RHODES.

Witnesses:

Mrs. M. P. CRANSTON,
Mrs. M. H. SEGNITZ.

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