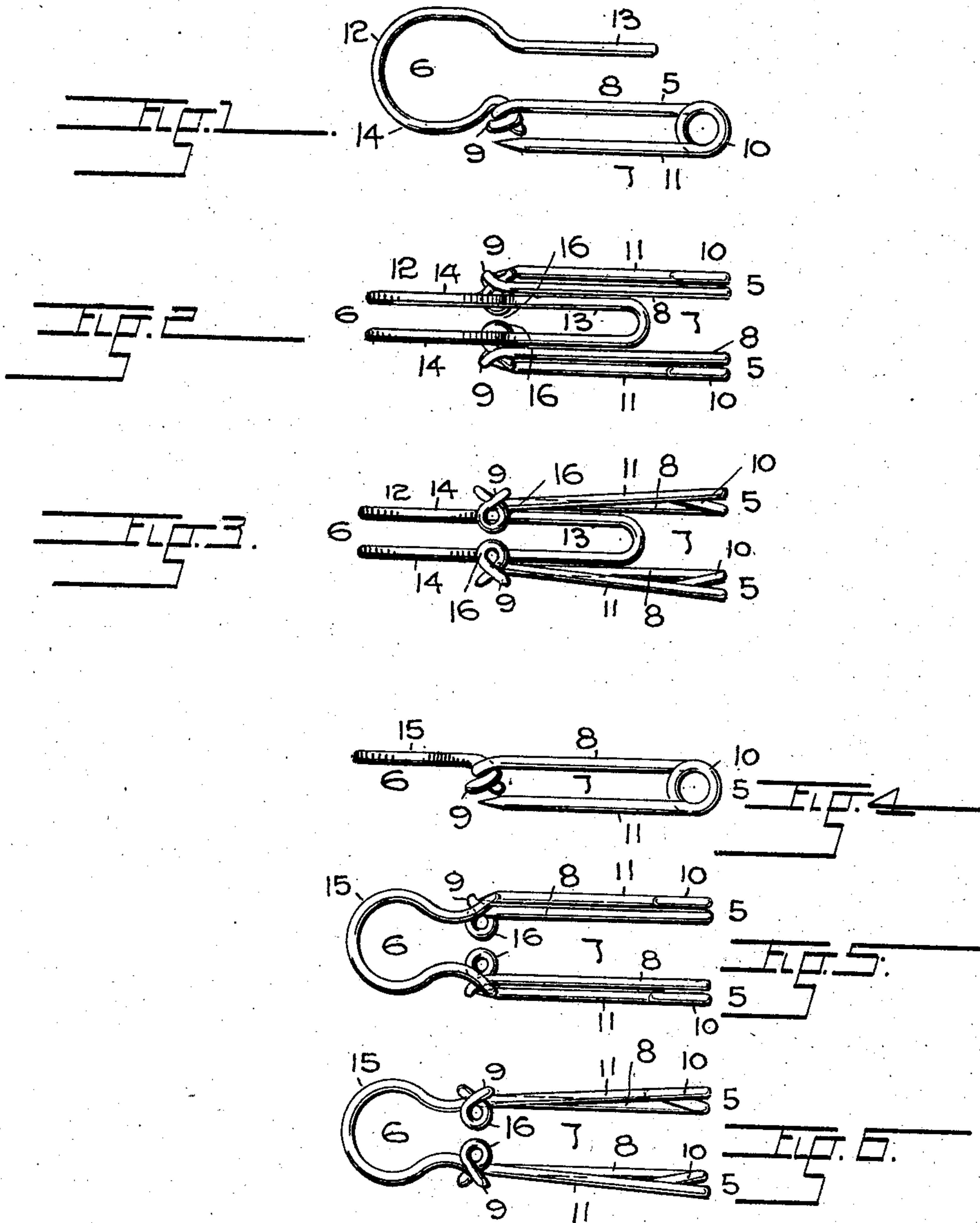


No. 860,039.

PATENTED JULY 16, 1907.

H. N. LEGAN.  
HOOK AND EYE.  
APPLICATION FILED JAN. 30, 1907.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

HARRIET N. LEGAN, OF DENVER, COLORADO.

## HOOK AND EYE.

No. 860,039.

Specification of Letters Patent.

Patented July 16, 1907.

Application filed January 30, 1907. Serial No. 354,873.

*To all whom it may concern:*

Be it known that I, HARRIET N. LEGAN, a citizen of the United States of America, residing at Denver, in the county of Denver and State of Colorado, have invented certain new and useful Improvements in Hooks and Eyes, of which the following is a specification.

My invention relates to certain new and useful improvements in hooks and eyes and has for its object to provide coöperative fastening members which being composed of one continuous piece of wire, combine simplicity of construction with durability and thorough practicability in use, and which may be securely attached to a garment without resort to stitching or the use of foreign fastening means, in a manner to insure stability and prevent injury to the hands of the wearer by exposed pin points. I attain these objects by the construction illustrated in the accompanying drawings in the various views of which like parts are similarly designated and in which

Figures 1, 2 and 3 represent respectively a side, plan and underneath view of the hook member, and Figs. 4, 5 and 6, respectively side, plan and underneath views of the eye member comprised in the invention.

Both the hook member illustrated in Figs. 1, 2 and 3 and the eye member shown in Figs. 4, 5 and 6 are produced by bending a doubled piece of wire and comprise an engaging portion 6 and a fastening element 7, the latter being identical in both members and composed of two identical, parallel members 5, each of which comprises a shank 8, a guard 9, intermediate the shank and the engaging portion 6, a spring loop 10 and a pin 11 extending from the latter below and in parallel relation to the shank and terminating in adjacency to the guard 9.

The engaging portion 6 of the hook member is shaped to form a hook 12 preferably composed of a straight bill 13 and a circular bend 14 which terminates in the aforementioned guards 9, while the corresponding portion of the eye member is produced by bending the middle portion of the wire of which the structure is composed, in the form of a loop 15.

To produce one or the other of the coöperative members comprised in my invention, a piece of wire cut to the required length, is doubled, after which the connected portion of the furcated contrivance thus obtained, is bent to form either the hook shaped or looped engaging-portion 6.

The portions of the two prongs of the forked wire, adjoining the part 6 are now twisted to form small loops 16 which are subsequently bent slightly outwardly and inwardly at right angles to the straight extremities of the prongs, to form the guards or shields 9 which, in practice, secure and house the points of the pins 11 as shown in Figs. 3 and 6 of the drawings in which the pins are in the locked position.

The length and arrangement of the oppositely disposed guards on the two elements of the fastening portion 7 of the members, are such that their inner extremities are spaced a distance sufficient to permit the passage of the pointed extremities of the pins 11.

The prongs of the doubled wire projecting from the twists, are now coiled to form spring coils 10 and their pointed extremities brought forwardly in parallel relation to the shanks 8, which extend intermediate the guards and the coils, to terminate in proximity to the former as hereinbefore described.

To secure the members to a garment, the pins 11 are passed into the cloth and out again, after which they are pressed in and upwardly to permit their points to pass between the opposite loops 16 and into the guards 9, which it will be observed, shield them adequately so as to prevent injury and discomfort incident to their being exposed. The members being thus fixedly attached to the garment in coöperative relation, are by reason of their peculiar construction and the employment of two separated fastening elements, secure against lateral and longitudinal displacement and proof against deformation by sudden or severe strains and they may be effectively used as an adequate, simple, neat and labor saving substitute for the hook and eye now in common use.

Having thus described my invention what I claim is:—

A hook and eye, each consisting of a continuous piece of wire bent to produce the respective engaging part and two parallel, identical elements each including a shank, a pin normally parallel therewith, an interposed coil and an inwardly turned guard arranged to receive and shield the pin point, the two elements being connected at one of their extremities by the engaging portion.

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

HARRIET N. LEGAN.

Witnesses:

P. J. ROLLAUDET,  
K. M. STUMP.