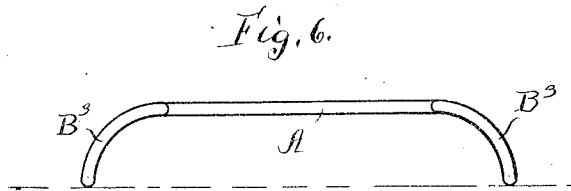
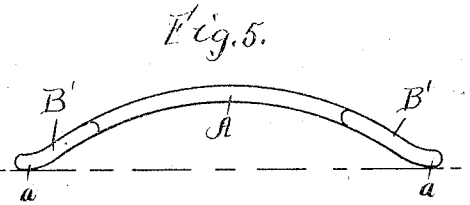
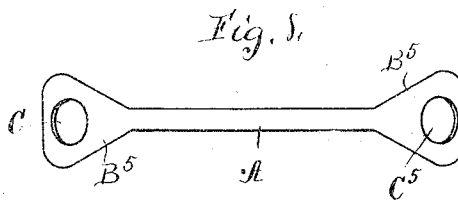
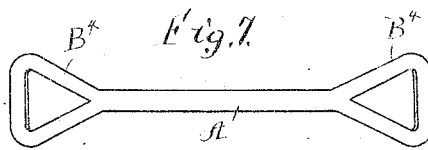
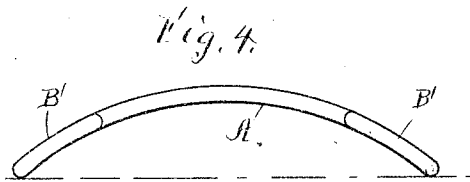
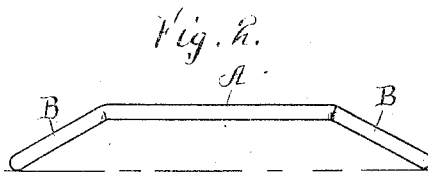
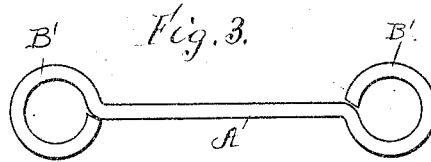
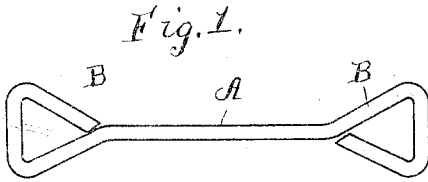


C. LEIB.
EYE FOR GARMENTS.
APPLICATION FILED JAN. 14, 1910.

1,057,067.

Patented Mar. 25, 1913.



WITNESSES

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EYE FOR GARMENTS.

1,057,067.

Specification of Letters Patent.

Patented Mar. 25, 1913.

Application filed January 14, 1910. Serial No. 537,990.

To all whom it may concern:

Be it known that I, CHARLES LEIB, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Improvement in Eyes for Garments, of which the following is a specification.

My invention relates to a new and useful improvement in eyes for hooks and eyes, and relates to that class of eyes commonly called "invisible eyes," on account of being concealed from view when sewed upon the garment, and the object of my invention is to so construct an eye that no portion of the same will lie flat upon the garment so that an eye will be formed from the outer end of one loop to the outer end of the other loop.

A further object of my invention is to cause the strain of the hook upon the eye to slightly tilt the latter sidewise, thus centering the stitches in the loops and increasing the resistance thereof, while preventing the eye from shifting upon the goods.

With these ends in view, this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claim.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, I will describe its construction in detail, referring by letter to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a plan view of an eye made of wire in accordance with my improvement. Fig. 2, an edge view thereof illustrating the manner in which the space is formed between the fabric and the bar of the eye. Fig. 3, a view similar to Fig. 1, showing a slight modification of the eye, the loops being circular instead of triangular. Fig. 4, an edge view of Fig. 3. Fig. 5, an edge view of an eye showing the loops slightly out turned. Fig. 6, an edge view of a slightly modified form of eye. Fig. 7, a plan view showing an eye made of a single piece of sheet metal having triangular loops in the ends thereof, and Fig. 8, a view similar to Fig. 7, the triangular ends of the eye being provided with holes for the passage of the stitching threads.

In carrying out my invention as embodied in Figs. 1 and 2, A represents the bar or body of the eye, having its ends so bent as

to produce the triangular loops B, one of which is bent in one direction and the other in the opposite direction so as to cause their ends to terminate on opposite sides of the bar. The loop portions of this eye are bent downward and outward at an angle, as clearly shown in Fig. 2 so that the outer cross bar of each loop alone will come in contact with the fabric indicated by the dotted line, and when the loops are stitched to said fabric it is obvious that a space will be left between the upper surface of the fabric and the under surface of the eye from one end of the loop B to the end of the other loop. This provides for the ready insertion of the beak of the hook.

I am aware that invisible eyes have been manufactured and patented, made in various shapes and forms with different forms of loops upon the ends, but in all forms that I am aware of the loops upon the ends of the eye are designed to lie flat upon the fabric to which the eye is secured, and I have aimed to do away with these features in my present invention.

My invention consists in forming an eye with a single central bar A, and upon either end, loops B, which loops may be made in any form desired. When viewed in side elevation the eye is so bent that only the terminals of the loops B will rest upon the fabric and the loops are designed to be sewed to the fabric at the outer ends. By this formation I am enabled to provide an eye in which the hook may be inserted so that it will extend from the outer end of one loop B to the outer end of the other, and not from the inner end of one loop to the inner end of the other, as in the ordinary invisible eyes. This will enable me to make the eye much shorter in length.

In Figs. 3 and 4 the loops B' are circular in shape, and the entire eye is curved as shown in Fig. 4, so as to bring the outer portions of the loops alone in contact with the fabric, thus producing the same general effect as that described in Figs. 1 and 2, but with the further advantage that when the eye is drawn upon by the hook, its tilting will always cause the threads to sustain the draft in the most direct line. In Fig. 5 I have shown the loops as curved downward and slightly outward, as indicated at *a*. In Fig. 6 I have shown the loop portions B^s of the eye to be curved outward and downward, while the bar is left straight. In Fig.

7, a slightly further modification is shown in which the eye is made entirely from a single piece of sheet metal so as to produce the bar A and the loops B⁴, which latter are in a general triangle form and having corresponding openings therein for the stitching threads, while in Fig. 8 this same construction is utilized with the exception of the triangular openings for the stitching threads, which are replaced by the holes C formed in the loop sections B⁵. All of these constructions operate on substantially the same principle and are very effective in accomplishing the objects aimed at, but I do not wish to be limited to the exact forms here shown as these may be varied within the limits of the claim without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful, is—

The eye member of a hook and eye consisting of a single bar, loops formed at each end of the bar, said loops being bent so that only their outer portions come in contact with the fabric, their inner portions supporting the central portion of said bar above the fabric, as and for the purpose set forth.

In testimony whereof, I have hereunto affixed my signature in the presence of two subscribing witnesses.

CHARLES LEIB.

Witnesses:

C. P. ALLEN, Jr.,
IDA F. SHEHR.