

(No Model.)

F. W. WALL.
HOOK AND EYE.

No. 598,169.

Patented Feb. 1, 1898.

Fig. 1.

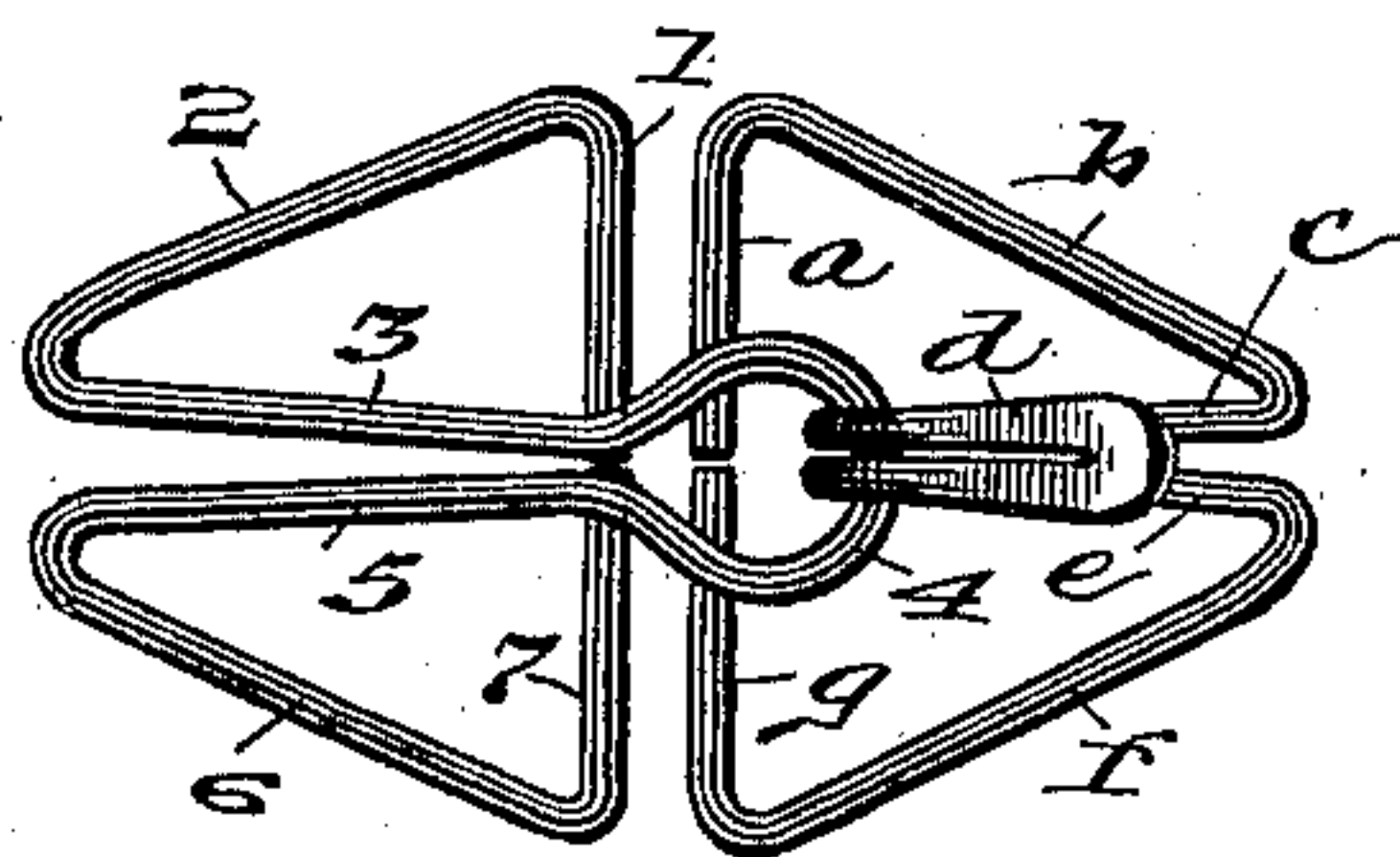


Fig. 2.

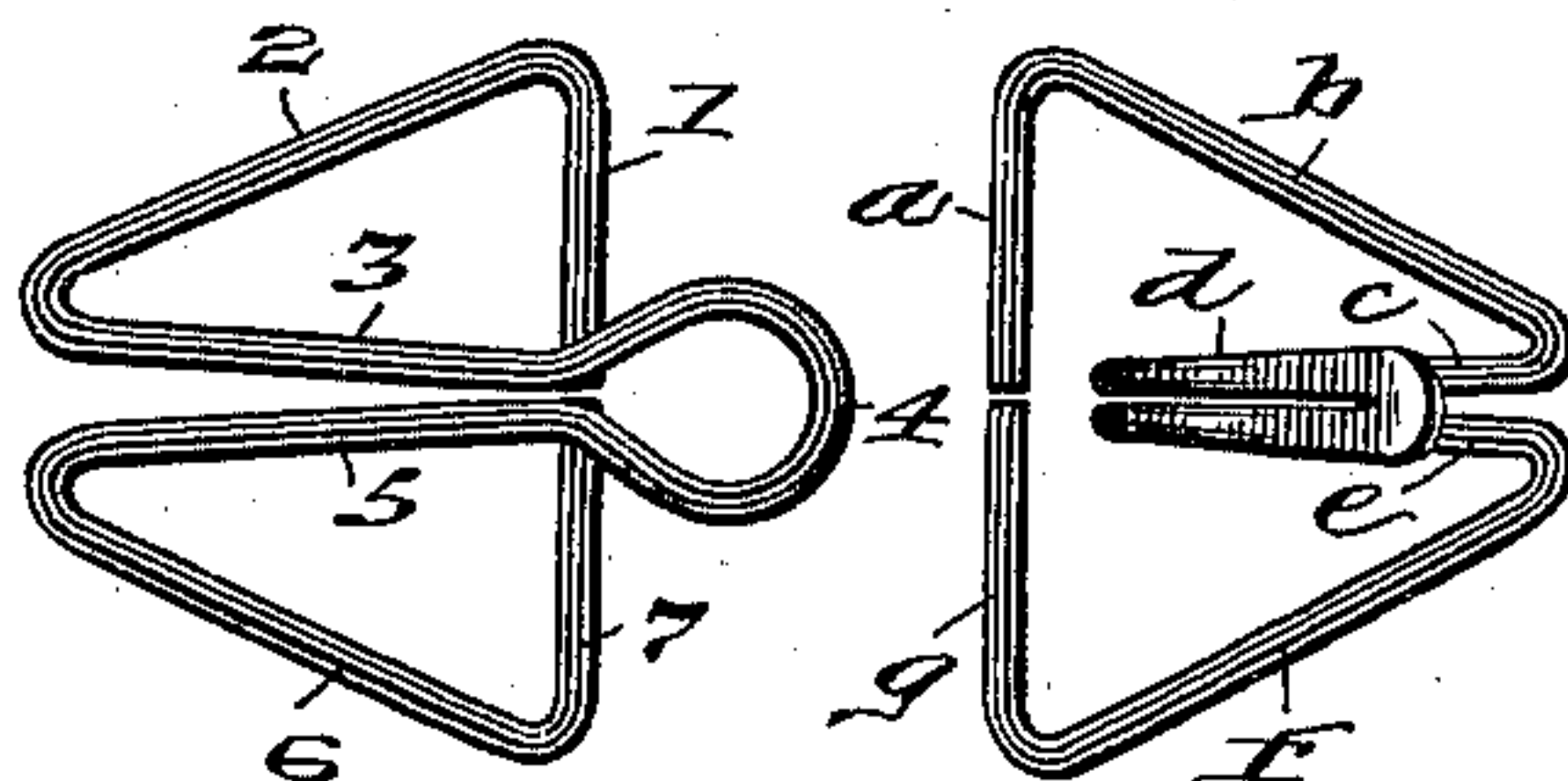
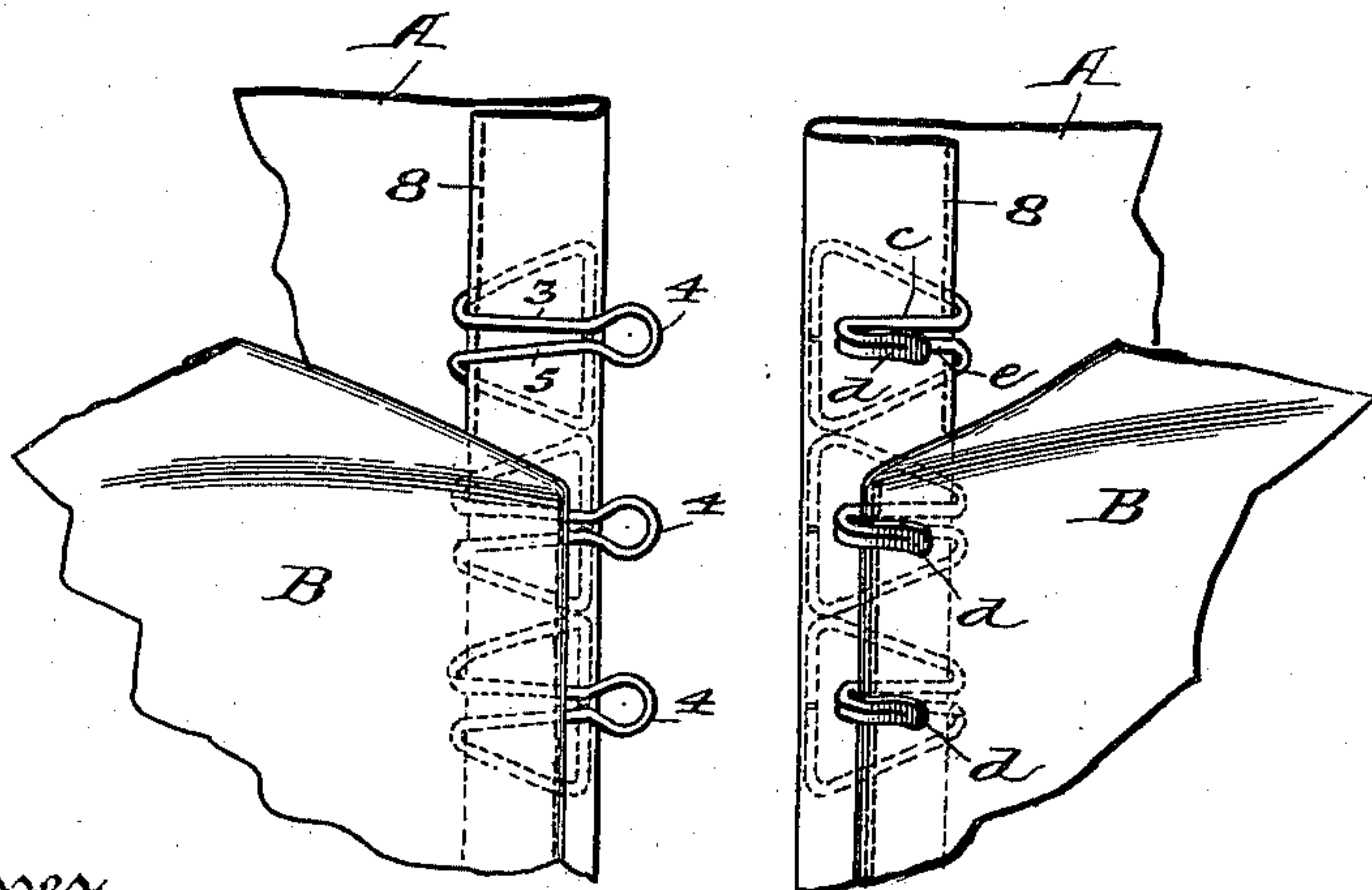


Fig. 3.



Witnesses

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HOOK AND EYE.

SPECIFICATION forming part of Letters Patent No. 598,169, dated February 1, 1898.

Application filed June 23, 1896. Serial No. 596,584. (No model.)

To all whom it may concern:

Be it known that I, FREDERIC W. WALL, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Hooks and Eyes, of which the following is a specification.

My present invention consists of improvements upon that for which Letters Patent of the United States No. 522,541 were granted me, dated July 3, 1894, whereby the construction is simplified and rendered less expensive and the structure made more available for the purpose and so as to occupy less space in thickness. A hook and eye embodying said invention will be first fully described, and the novel features thereof then pointed out in the claims.

Referring to the accompanying drawings, which are made a part hereof and on which similar letters and numerals of reference indicate similar parts, Figure 1 is a plan view of a hook and eye assembled together, as when in use; Fig. 2, a similar view with the two members separate from each other; and Fig. 3, a view illustrating a series of said hooks and eyes when attached to an article of wearing-apparel, portions of the wearing-apparel being broken away to illustrate the mode of attachment more clearly. Fig. 3 shows the device substantially full size, while Figs. 1 and 2 are double the size shown in Fig. 3, being thus enlarged for purposes of plainer illustration.

As clearly shown in said figures, each member is composed of a single piece of wire bent into a peculiar shape, said shape being in general form that of a triangle. The hook is composed of the portions *a, b, c, d, e, f,* and *g* and the eye of the portions 1, 2, 3, 4, 5, 6, and 7. In use the hook proper, *d*, and the eye 4 engage, as shown in the drawings. The members *a g* of the hook structure and 1 7 of the eye structure lie parallel to each other when the parts are assembled, while the sides *b* and *f* and 2 and 6 run rearwardly therefrom in an angular direction to near the point of the triangle, and the members *c* and *e* and 3 and 5 run thence forward and develop into the hook *d* and loop 4, respectively, said hook and loop lying closely down upon the ends of the members *a g* and 1 7, so that at the thickest point there is only a double thickness of the wire, whereas in my said patent referred

to there was a triple thickness at certain points, which necessarily produced a more bungling construction where applied to the garment. Further, as best illustrated in Fig. 3, the hooks and eyes can be secured to the edge of the garment or fabric A by simply folding over and inserting said edge and running along at or near the edge 8 of the fold an ordinary row of stitching or "whipping," and after this is done the facing B can be put on, as also illustrated in Fig. 3, and secured by other rows of stitching, and a finished job produced with but little, if any, handwork.

As a whole, the device is extremely simple and inexpensive and is easily and cheaply applied.

Having thus fully described my said invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A hook-and-eye structure composed of wire bent into the general form of a triangle and composed of seven bends or members, as indicated, the attaching-point of the structure passing across the initial members or ends of the wire, said initial members being in line with the edge of the garment, and the point of the triangle being farthest from said edge, substantially as shown and described.

2. In a hook and eye, a hook formed of wire and composed of the parts or members *a b c d e f* and *g*, bent and arranged, in relation to each other, substantially as shown and described.

3. In a hook and eye, an eye composed of the members 1, 2, 3, 4, 5, 6 and 7, bent and arranged, in relation to each other, substantially as shown and described.

4. The combination, with a garment or fabric having a folded-over edge, of hooks and eyes composed of wire and formed to embrace said edge as shown, and adapted to be there secured by ordinary rows of stitching, said hooks and eyes being in the general form of triangles the bases whereof are at the edges of the fabric and next each other when engaged, substantially as shown and described.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 19th day of June, A. D. 1896.

FREDERIC W. WALL. [L. S.]

Witnesses:

CHESTER BRADFORD,
JAMES A. WALSH.