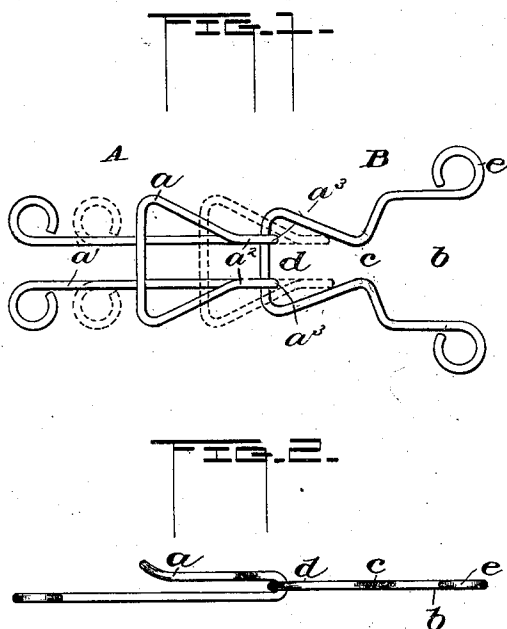


(No Model.)

A. M. WEBER.
HOOK AND EYE.

No. 567,528.

Patented Sept. 8, 1896.



Witnesses

Geny. Heilman
H. R. Greenman

Inventor

Aaron M. Weber

UNITED STATES PATENT OFFICE.

AARON M. WEBER, OF OSHKOSH, WISCONSIN.

HOOK AND EYE.

SPECIFICATION forming part of Letters Patent No. 567,528, dated September 8, 1896.

Application filed June 22, 1896. Serial No. 596,407. (No model.)

To all whom it may concern:

Be it known that I, AARON M. WEBER, a citizen of the United States, residing at Oshkosh, in the county of Winnebago and State of Wisconsin, have invented certain new and useful Improvements in Hooks and Eyes; 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.

The object of my invention is to provide a hook and eye which may be rapidly and cheaply manufactured, which may be easily fastened and unfastened, and which is not liable to become accidentally unfastened. While the primary purpose for which my hook and eye is intended is a fastening for dress-waists and other articles of wearing-apparel, it is obvious that my invention is well adapted for fastening various other things. Hence I do not wish to be restricted to the purposes to which the ordinary hook and eye is applied. My fastening device may be made of a size and strength to suit the particular use to which it is put.

In the following description reference is to be had to the accompanying drawings, in which—

Figure 1 is an enlarged top view of a hook and eye embodying my invention, the full lines showing the hook in proper engagement with the eye and the dotted lines showing the hook in position to be contracted laterally by being pushed through the contracted neck *c* of the eye. Fig. 2 is a side or edge view of a hook and eye embodying my invention.

Like parts are indicated by the same reference-letters in both figures of the drawings.

The hook and the eye can each be formed integrally from a single piece of wire bent into the required form with the end bent over, as at *e*, if desired, to facilitate the attachment of the device to a garment. While I prefer to make the hook portion A of elastic wire and the eye portion B of non-elastic wire, good results may be secured by making the eye of elastic wire and the hook of non-elastic wire, or both the hook and the eye portions may be of elastic wire. Although I prefer to construct my hook and eye of wire, it might be stamped or cut out of metal, if desired.

The portion *a* of the hook is adapted to be inserted in the eye through the widened rear portion *b* thereof and then drawn forward through the contracted neck *c* into the enlarged forward portion *d* of the eye, the sides of the hook yielding inwardly elastically while passing the neck *c*. The portion *a* of the hook is enlarged, as shown, to have a lateral diameter slightly greater than that of the portion *d* of the eye, so that to disengage the hook from the eye it is necessary to force the hook rearwardly through the contracted neck *c* until the portion *a* is entirely beyond the neck *c*, whereupon the portion *a* can readily be withdrawn through the portion *b* of the eye. This construction in practice prevents accidental disengagement of the hook and the eye, and thus overcomes a very objectionable defect inherent in the ordinary hook and eye. It will be observed that the hook begins to enlarge or flare at a point some distance rearward of the point *a*³ of contact with the eye.

I am aware of the state of the art shown in United States Letters Patent Nos. 478,555, 488,178, 489,053, and 511,577 and do not claim to be the first to make a hook and eye wherein one part has a contracted neck through which the other part is drawn. This is shown in the patent to Wedmore, No. 489,053. In such Wedmore construction, however, as soon as the narrow shank of the hook passes through the contracted neck the hook and the eye may easily become accidentally disconnected, whereas in my construction, after the straight parallel portions of the hook have been pressed toward each other and passed through the neck *c*, the hook has to be pushed still farther to the rear until the portion *a* is entirely beyond the neck *c* before the hook and the eye can be separated.

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

1. A hook and eye, comprising the hook part A and the eye part B, the eye A having the laterally-enlarged portions *b* and *d* separated by the contracted neck portion *c*, and the hook having the straight bar portions *a*' and *a*² and the looped portion *a* of less lateral width than the portion *b*, but of greater lateral width than the portion *d* of the eye, one

of said parts A and B being elastic and laterally yielding, substantially as described.

2. A hook and eye, comprising the hook part A and the eye part B, said hook part consisting of the parallel normally-separated straight bars a' bent upon themselves at a^3 , the straight portions a^2 , and the laterally-enlarged or flaring portion a , and said eye part consisting of the laterally-enlarged portions b and d and the contracted neck portion c , the portion a being laterally wider than the portion d , but narrower than the portion b , of the hook, as set forth.

3. A hook and eye comprising the hook part A and the eye part B, said hook part having the parallel normally-separated straight

portions a' bent upon themselves at a^3 , the straight portions a^2 and the laterally-enlarged or flaring portion a , and said eye part having the laterally-enlarged portions b and d and the contracted neck portion c , the portion a being of less width than the portion b , but of greater width than the portion d , one of said parts A and B being elastic laterally, as set forth.

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

AARON M. WEBER.

Witnesses:

GEORGE HILTON,
W. R. GREENLAW.