

(No Model.)

F. E. BENNETT.
GARMENT HOOK AND EYE.

No. 478,555.

Patented July 12, 1892.

Fig. 1.

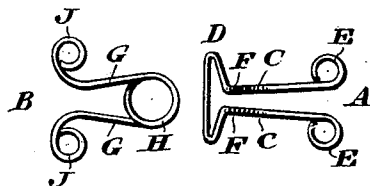


Fig. 2.

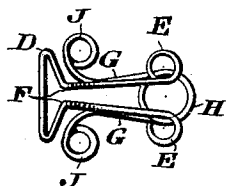


Fig. 3.

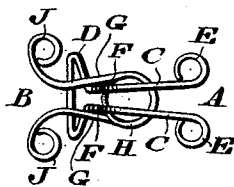


Fig. 4.

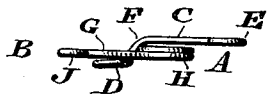


Fig. 5.



WITNESSES:

O. H. Nagle.
L. Douville.

INVENTOR
Francis Edward Bennett
BY *John A. Schuchman*
ATTORNEY.

UNITED STATES PATENT OFFICE.

FRANCIS EDWARD BENNETT, OF PHILADELPHIA, PENNSYLVANIA.

GARMENT HOOK AND EYE.

SPECIFICATION forming part of Letters Patent No. 478,555, dated July 12, 1892.

Application filed June 18, 1891. Serial No. 396,660. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS EDWARD BENNETT, a subject of the Queen of Great Britain, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Garment Hooks and Eyes, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a garment-hook formed of a wire head and shank, as will be hereinafter set forth.

It also consists of an eye formed of a wire shank and spring, as will be hereinafter set forth.

Figure 1 represents a plan view of a hook and eye in separated conditions embodying my invention. Fig. 2 represents a side elevation of the hook and plan view of the eye in the act of being connected. Fig. 3 represents a plan view of the hook and eye in connected condition. Fig. 4 represents a side elevation thereof. Fig. 5 represents a modification showing a different form of head on the hook.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings, A and B designate, respectively, a hook and eye, each formed of wire. The hook consists of the two-part shank C, the laterally-projecting head D at the bend of the shank, the attaching-eyes E, and the neck F, said head being wider than the shank and said neck being a downwardly-bent portion between the head and shank. The two parts of the shank C diverge from the head D to the eyes E. The eye consists of the two-part shank G, the coil or spring H at the connecting-bend, and the attaching-eyes J. The two parts of the shank G converge from the coil H to the eyes J.

In order to connect the hook and eye, the hook is passed over the eye until the neck F reaches the narrow portion of the shank of said eye, (see Fig. 2,) when said neck is pressed between the side pieces of said portion, whereby they separate and the head D moves through the space at the inner end of the

eye, so that when the hook is drawn out again the head is beneath or back of the shank, the shank then closing against the neck and also embracing the contiguous sides of the head, so that said head is prevented from disconnection from the eye. The shank C of the hook also rests upon the inner part of the coil of the spring and the neck F engages with said portion, thus limiting the outward motion of said hook and preventing the head D from occupying the extreme outer end or bend of the eye.

Owing to the increased resilient nature of the eye B, due to the coil H, the hook and eye when connected are easy on the garment and prevent strain thereon. As the converging shank of the eye presses against the diverging shank of the hook the hook is embraced by the eye with a spring effect, and thereby controlled without a dead or harsh connection.

It is evident that by pushing back the hook until the neck F reaches the narrow portion of the shank G of the eye the head D is removed from the shank G and the neck F is in such position that it may be withdrawn from the shank G, (see again Fig. 2,) the hook and eye thus being separated. In Fig. 5 I show a hook having a different form of head from that shown in the other figures, without, however, producing different results.

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

A fastening device consisting of an eye formed of a single piece of wire with attaching-loops at its rear end and provided with an elastic shank, and a coiled spring between said shank, and a hook having a laterally-extended head wider than the shank of the eye, and a neck connected with the said head and the shank of the hook at an angle to the same, said parts being combined substantially as described.

FRANCIS EDWARD BENNETT.

Witnesses:

JOHN A. WIEDERSHEIM,
A. P. JENNINGS.