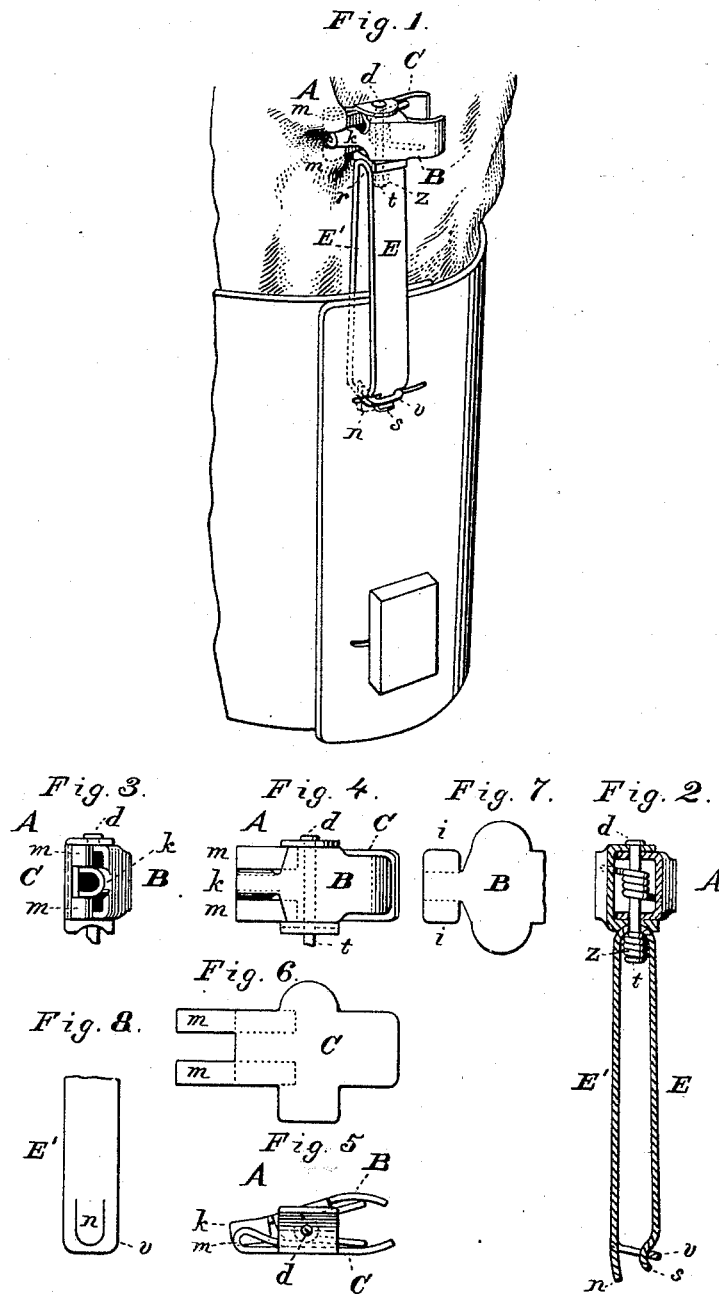


(No Model.)

J. V. PILCHER.
CUFF FASTENER.

No. 418,056.

Patented Dec. 24, 1889.



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN V. PILCHER, OF LOUISVILLE, KENTUCKY.

CUFF-FASTENER.

SPECIFICATION forming part of Letters Patent No. 418,056, dated December 24, 1889.

Application filed July 12, 1889. Serial No. 317,261. (No model.)

To all whom it may concern:

Be it known that I, JOHN V. PILCHER, a citizen of the United States, and a resident of Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Cuff-Fasteners; and I do 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of this invention, and is a perspective view. Fig. 2 is a vertical section. Fig. 3 is a detail and an end view. Fig. 4 is a detail and front view, and Fig. 5 is another view, of the clothing-clamp. Fig. 6 is a blank that is formed into one jaw, and Fig. 7 shows a portion of the blank forming the other. Fig. 8 is a portion of the blank that forms the cuff-adjuster.

This invention relates to devices for attaching cuffs to shirt-sleeves; and it consists in the novel construction and combination of parts, as hereinafter described, and particularly pointed out in the claim.

In the accompanying drawings, the letter A represents a clothing-clamp consisting of the jaws B C, pivoted together and having a spring placed around the pivot *d* to cause the said jaws to close.

E E' indicate the spring-tongues of a cuff adjuster or holder pivoted to the side of the clamp A on the pivot-bolt of the clamp, which is extended for this purpose. The jaw B of the clamp is formed by making opposite lateral incisions in the clamping end and bending down the outer wings thus formed at right angles to the plane of the jaw to form opposite lateral lugs or wings *i*, whereby a concavo-convex tooth *k* is provided. The other jaw C is formed by slotting its end longitudinally and bending over the metal strips backward on each side of the slot to form lateral spring-bearings *m*, to receive between them the tooth *k* of the jaw B. The seat formed between the bearings *m* of the lower jaw is of nearly the same width as the tooth *k*, and constitutes,

in connection with the holder, a clamp for securing the device to the sleeve.

The cuff-adjuster is constructed by bending a long strip of metal in U form to provide opposite parallel spring-tongues E E'. The tongue E is provided at its outer end with a hook-lug *s*, formed by cutting away the metal on opposite sides at the end, which is bent slightly inward, the hook-lug being bent a little outward, so that a transverse recess or groove is presented on the surface of the tongue E, in which engages the loop *v* of the other spring-tongue E' when the two tongues are brought together. The loop end of the tongue E' is bent at right angles to its plane, the loop *v* having been formed in this bent portion by stamping a lug of the metal from the center thereof. The lug portion of the metal thus provided extends continuously with the plane of the tongue, and constitutes a rest *n* for the face of the cuff, near the button-hole thereof, when the fastener is applied.

The object of the transverse groove formed in constructing the hook is to secure the upper portion of the loop and to prevent the parts from catching in the garment where it may be in contact with the fastener.

In bending the strip to form the fastener the bend *r* is provided with a convex surface which is seated in a corresponding concave bearing in the side of the clamp A. The bent or convex end of the fastener is perforated to receive the extension *t* of the clamp-pivot. The pivot-extension is headed to retain a spring *z*, placed around it between the head and the inner portion of the bend *r*. The object of the spring *z* is to cause the convexity of the heel to engage the concave bearing of the side of the clamp, thereby forming an elastic-joint connection for the clamp and fastener, which facilitates the operation when the latter is turned on its pivot to be adjusted.

To apply the fastener to the cuff, the ends of the latter are slipped between the jaws E E' until the loop *v* registers with the button-holes of the cuff, through which it is introduced, and the hook of the jaw E is then sprung into its seat in the loop. To detach the fastener from the cuff, press the tongue a little out of line, and the hook will spring from its

seat, the lug or rest at the extremity of the jaw E', by pressing against the under face of the cuff, serving as a lever to release the loop from its engagement with the hook.

5 Having described this invention, what I claim, and desire to secure by Letters Patent, is—

10 The spring clothing-clamp provided with the spring-tongues having one end formed with a loop engaged by a bent or hook lug on one end of the other tongue, and the jaws, whose pivot is provided with an extension passing through the connection between the

opposite ends of said tongues, and which pivot is encircled by a spring acting upon 15 said jaws, as also a second spring applied to the extension of said pivot between said tongues and yieldingly holding the tongues in contact with a concave bearing of said jaws, substantially as set forth. 20

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

JOHN V. PILCHER.

Witnesses:

A. J. BRANDEIS,
ED MEGLEMY, Jr.