

(No Model.)

E. J. KRAETZER.
FASTENER FOR GLOVES, &c.

No. 281,376.

Patented July 17, 1883.

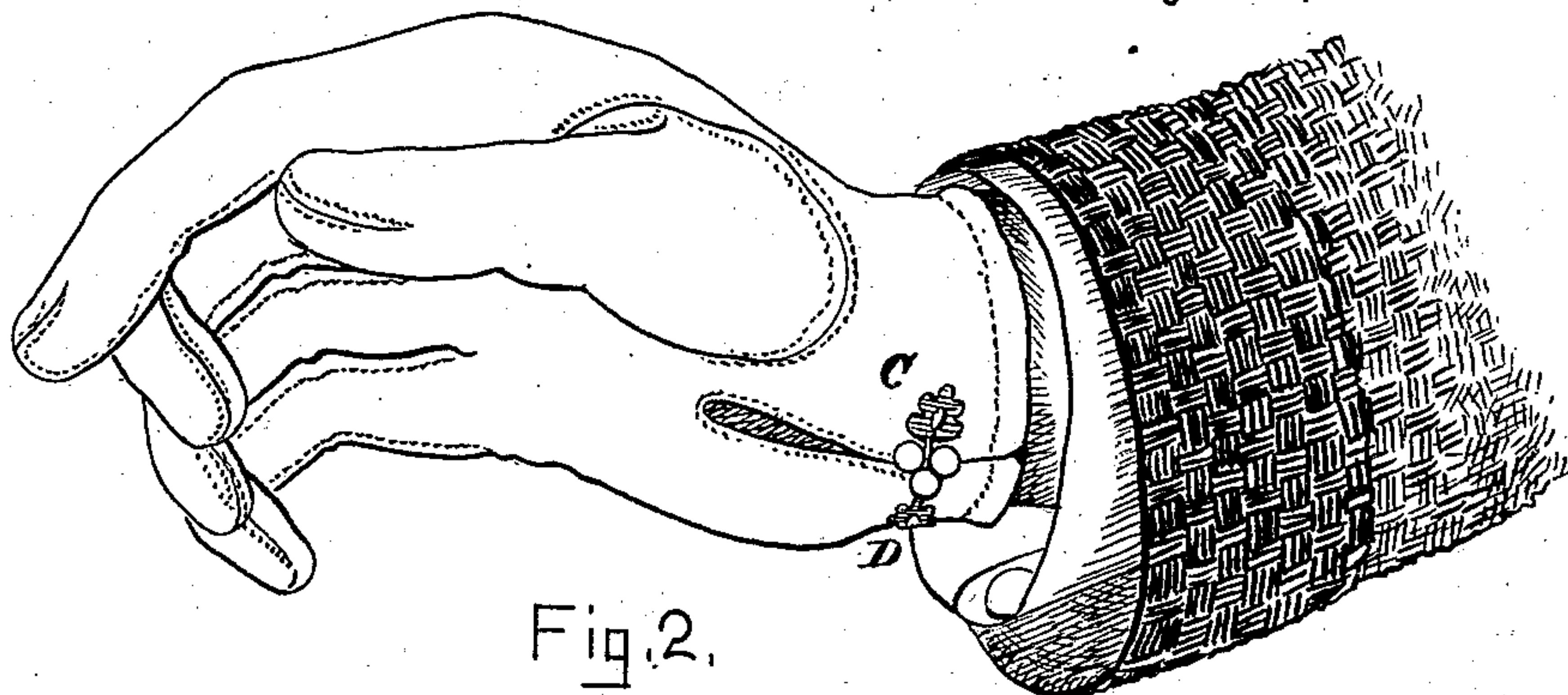


Fig. 2.



Fig. 1.

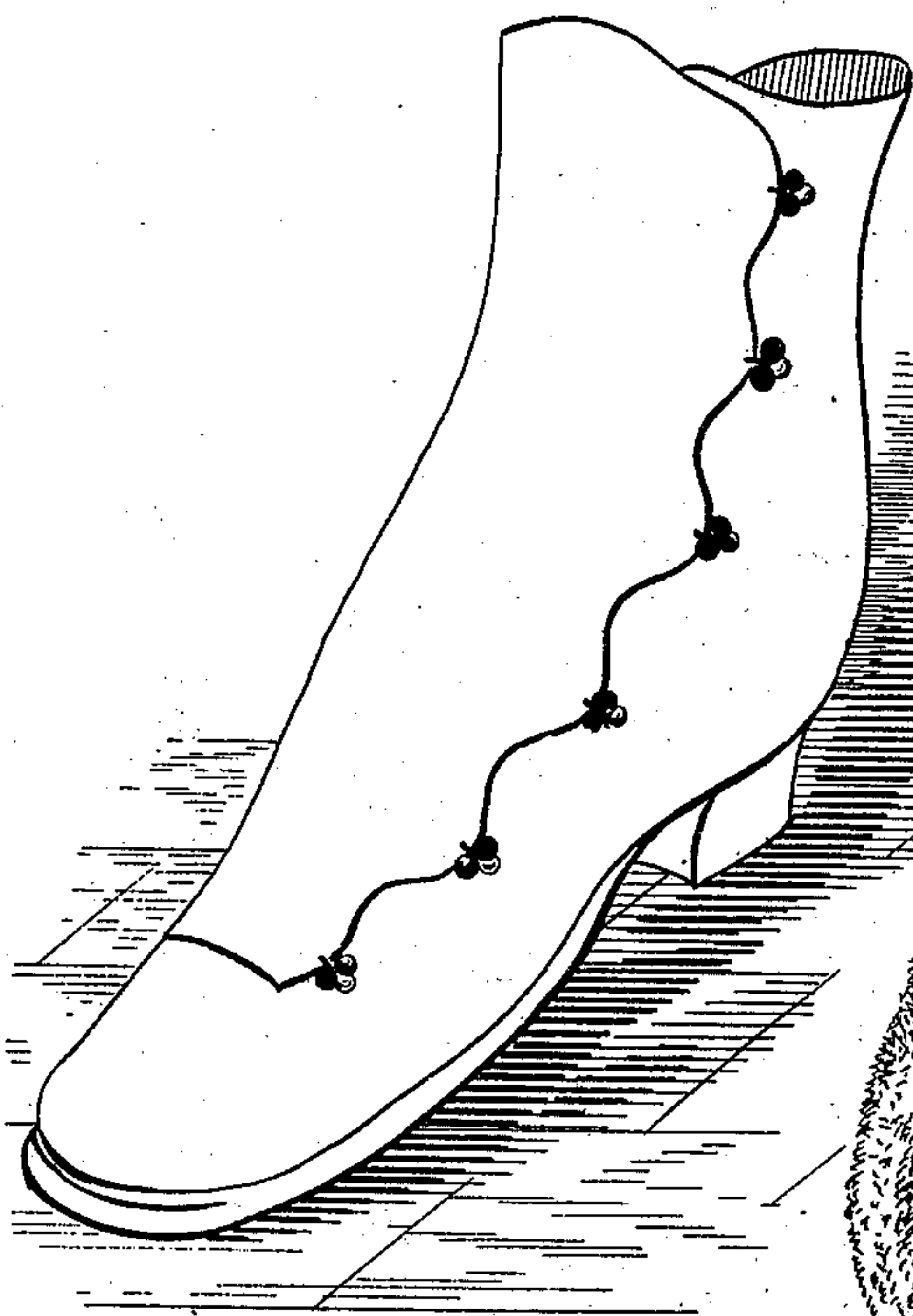


Fig. 3.



Fig. 4.

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FASTENER FOR GLOVES, &c.

SPECIFICATION forming part of Letters Patent No. 281,376, dated July 17, 1883.

Application filed March 1, 1883. (No model.)

To all whom it may concern:

Be it known that I, EDWIN J. KRAETZER, of Boston, in the county of Suffolk and State of Massachusetts, have invented a certain new and useful Improvement in Fasteners, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which said invention appertains to make and use the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is an isometrical perspective view representing my improved fastener detached; Fig. 2, a view representing it in use on a glove; Fig. 3, a view representing it in use on a shoe, and Fig. 4 a view representing it in use on a cloak.

Like letters of reference indicate corresponding parts in the different figures of the drawings.

My invention relates to that class of fasteners or buttons which are designed for fastening or buttoning gloves, shoes, cloaks, &c.; and it consists in a novel construction and arrangement of the parts, as hereinafter more fully set forth and claimed, by which a more effective and desirable article of this character is produced than is now in ordinary use.

The nature and operation of the improvement will be readily understood by all conversant with such matters from the following explanation, its extreme simplicity rendering an elaborate description unnecessary.

In the drawings, A represents the button proper, and B the catch proper.

The button proper consists of the globe or ball *x*, shank or neck *a*, and plate C. The shank *a* is composed of a short wire which is rigidly attached at its outer end to the globe *x*, and at its inner end to the plate C, being preferably inclined to the plane of said plate at an angle of about fifteen degrees.

The catch proper consists of the plate D, globes or balls *m m*, and shanks or necks *d d*. The shanks *d d* are composed of short elastic wires or springs, their outer ends being respectively rigidly attached to the globes *m m*, and their inner ends to the plate D, the shanks being preferably inclined to the plane of the plate D at an angle of about sixty degrees.

The shanks *d d* are also preferably so arranged on their plate as to cause the globes *m m* to press forcibly against each other.

In the use of my improvement the plate D is secured or attached to one flap or side of the glove, and the plate C to the other, as shown in Fig. 2, and to button the glove the ball or globe *x* of the button proper is drawn over or past the globes or balls *m m*, and pushed down or inwardly, causing the neck or shank *a* to force the globes *m m* apart and pass between them, the globe *x* being then released, and the "spring" or contractile action of the glove drawing it partially under the globes *m m* and against the shanks *d d*, by which it will be caught and held in a manner which will be readily obvious without a more explicit description.

It will also be obvious that in buttoning the glove, when the center of the ball *x* has passed a vertical line drawn through the centers of the balls *m*, the convex surfaces of all three balls being in contact, if the ball *x* is pressed down or inwardly, it will slide down or in over the sides of the balls *m m*, which are next to the plate D, and at the same time draw the plate C and the flap or part of the glove to which it is attached toward the plate D, and that when the center of the ball *x*, as it is pushed down or inwardly, has passed a horizontal line drawn through the centers of the balls *m m*, it will, if released, cease to traverse toward the plate D, and be drawn partially under the balls *m m*, where it will engage and be held by the shanks *d d*, the neck *a* being prevented from accidentally escaping from between the balls *m m* by the shanks *d d*, which hold said balls forcibly together, the shanks yielding to permit the neck *a* to pass in or out between them in buttoning or unbuttoning the glove.

The plates C D may be made of any desired style or shape, and concealed or covered in the flaps of the glove or other article to which they are applied; or they may be secured to the outside of the same, as preferred, by means of stitches or rivets passing through the holes *f*, or in any other suitable manner.

It is preferable to construct the balls or globes *m x* of metal, and perfectly round and

smooth; but other materials may be used, if desired, and the balls may be somewhat angular and still perform the same functions.

5 A short chain or cord may also be used instead of the wire neck *a*, and either or both of the plates C D may be attached to rubber bands or elastics to permit them to yield in buttoning the glove, and assist in keeping the parts interlocked, if desired, although, for all
10 ordinary purposes, it will be found sufficient to attach the plates directly to the flaps or contiguous ends or sides of the glove or other article to be fastened.

It will be evident that my improved fastener
15 obviates the necessity of using button-holes, and that it is well adapted for gloves, shoes, belts, garters, suspenders, cloaks, and in fact nearly all kinds of garments.

I do not confine myself to so constructing or
20 arranging the spring-shanks *d d* that they will force the balls *m m* into actual contact, as it will be evident that if they are kept sufficiently near each other to prevent the accidental escape of the neck *a* it will be all that is required.

25 Neither do I confine myself strictly to the use of the plates C D, as the spring-shanks *d d* may be made integral or in one piece, and enlarged at their outer ends to grasp the ball *x*, if desired. The inner end of the neck *a* may also
30 be provided with an eye or hook for attaching it to the garment, instead of the plate C, the

neck and ball *x* being made integral, if desired, said last-named plate being also dispensed with when a cord or chain is used instead of the neck *a*.

Having thus explained my invention, what
I claim is—

1. The improved fastener described, the same consisting of the plate D, provided with the spring-shanks *d d* and balls *m m*, and the
40 plate C, provided with the neck *a* and ball *x*, arranged to operate substantially as set forth.

2. In a fastener, substantially such as described, a catch proper having two spring-shanks enlarged or terminating in balls at
45 their outer ends, said spring-shanks acting to force the balls or enlarged portions toward each other or into contact, and adapted to be attached to a glove or other article of wearing-apparel, and a button proper having a ball
50 provided with a neck or means for attaching it to a glove or other article of wearing-apparel, said neck being adapted to pass between the balls or enlarged ends of said spring-shanks, and thereby enable the button proper and
55 catch proper to be interlocked, substantially as specified.

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