

(No Model.)

G. C. KLEIN.
PIN GUARD.

No. 580,578.

Patented Apr. 13, 1897.

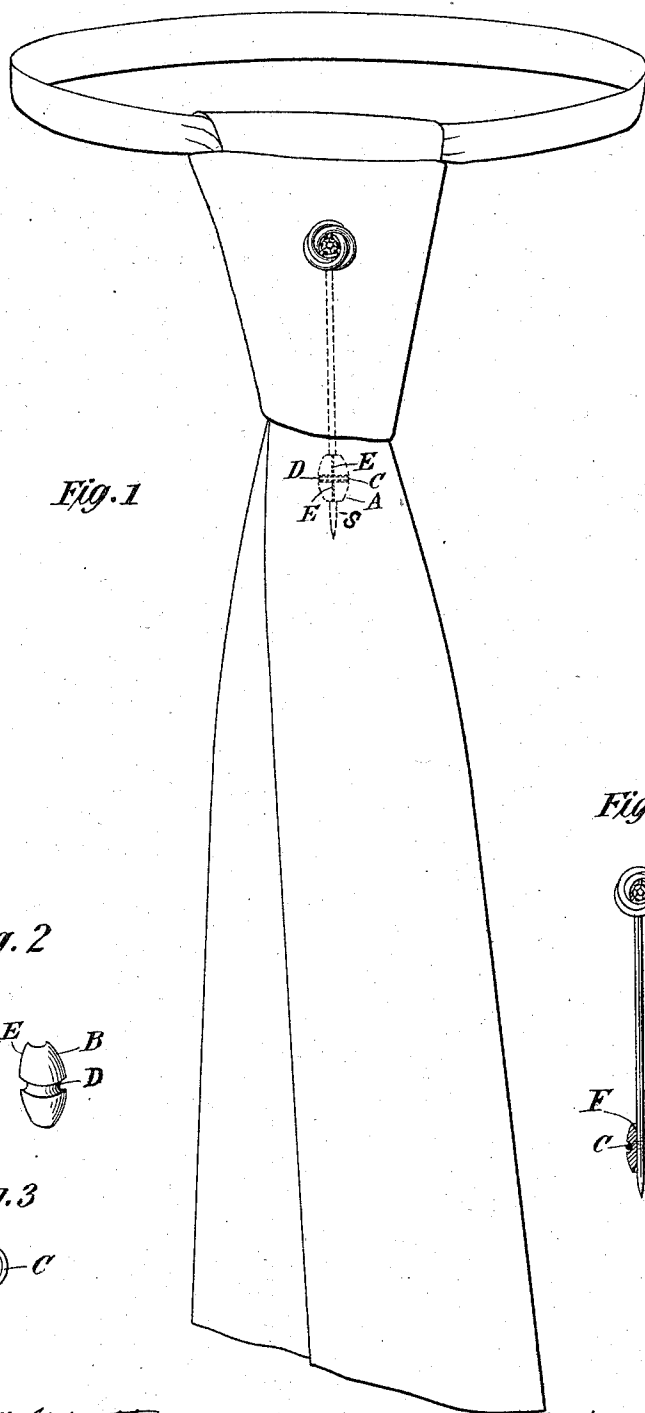


Fig. 1

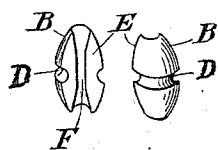


Fig. 2

Fig. 3

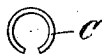
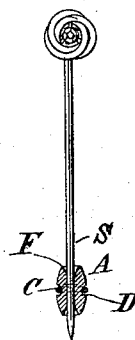


Fig. 4



Witnesses:

Raphael Netter
James M. Catlow.

Gottlieb C. Klein, Inventor

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UNITED STATES PATENT OFFICE.

GOTTLIEB C. KLEIN, OF NEW YORK, N. Y.

PIN-GUARD.

SPECIFICATION forming part of Letters Patent No. 580,578, dated April 13, 1897.

Application filed May 20, 1896. Serial No. 592,290. (No model.)

To all whom it may concern:

Be it known that I, GOTTLIEB C. KLEIN, a citizen of the United States, residing at New York, in the county and State of New York, have invented a certain new and useful Improvement in Pin-Guards, of which the following is a specification, reference being had to the accompanying drawings.

Scarf-pins as usually constructed consist of a head and a straight shank pointed at its free end. They are usually applied by thrusting the shank into or through the fabric of the scarf and are without other fastening than the friction of the pierced fabric and the shank, and consequently are extremely liable to become disengaged and lost. By reason of this well-known method of application and the ease with which such pins are removed they become an easy and frequent prey of the "light-fingered gentry." Children, also, when held in arms almost invariably meddle with and frequently remove these pins.

It is the object of my invention to provide a device for fastening or securing pins, especially scarf-pins, into the article or material to which they are applied or in which they are worn, to insure their protection or safety.

To this end my invention consists of a boss or enlargement made up of two sections which are secured together by an elastic ring or band and provided with an aperture adapted to receive the pin-shank and which can be pushed upon the shank and clamped thereto and be readily removed.

The accompanying drawings illustrate a form of pin guard or protector containing my invention, in which—

Figure 1 shows a scarf with a pin secured in place by means of my guard, the shank of the pin and the guard being in dotted lines. Fig. 2 shows the two main pieces composing the guard. Fig. 3 is an open spring ring or band, and Fig. 4 shows the guard in section as applied to the end of a pin.

In the form shown in the drawings the guard or protector A consists of two pieces B B, of metal or other suitable material, secured together by an elastic band or ring C, which is held in place in a groove D, encircling the pieces B B.

The guard A may be of any shape or form adapted for its purpose, although I prefer to

make it of an oval shape, whereby it can be easily held between the thumb and finger, and either of its ends can be constructed to be readily slipped onto the end of the pin-shank S, as hereinafter described. Considered separately the pieces B B each have a flat surface E, in which is formed a longitudinal groove or channel F, and each is provided with a groove D, preferably passing around its widest or largest part.

The grooves F are larger at their ends than at their central or middle parts, so that when the two pieces B B are brought and secured together in position to form the guard A there will be an aperture extending longitudinally through the guard which will be funnel-shaped at both ends to permit an easy and ready registration with the end of the pin-shank. Instead of having both ends of the aperture funnel-shaped, which is a great convenience, this construction may be applied to only one end.

The elastic ring or band C is made of any material suitable for this purpose, which should be sufficiently yielding to permit the pieces B B to separate enough to receive the pin-shank and should be sufficiently elastic to secure or clamp the pieces against such shank. It is preferred to make this ring or band of steel or other strong elastic metal, the ends being left free or unsecured to each other, thus forming what is known as an "open ring," and this ring when thus formed is of such diameter that when it is forced into position in the groove D the pieces B B will be tightly but yieldingly clamped together.

The channel or aperture through the central or middle part of the guard A is slightly smaller than the diameter or size of the pin-shank, so that when the guard is pushed onto the shank the elastic ring or band C will be extended and its elasticity will force the pieces into close contact with the pin-shank and secure or clamp it thereto.

These guards are conveniently and cheaply made out of round bars of metal, which are bored longitudinally and turned up in a lathe to substantially the desired shape, then divided into two parts, which parts are cut transversely into suitable lengths to form the pieces B B. When these pieces are assembled and secured by the ring C, the ends can be,

if desired, reamed out to give a funnel-shaped construction.

After the pin has been inserted into the scarf or other article the pin-guard is pushed
5 over the point or end of the pin-shank, and the aperture or channel through the guard being less than the size of the shank the guard is clamped to the pin, so that the latter cannot be removed either accidentally or pur-
10 posely without the knowledge of the wearer.

The guard is easily removed by taking hold of the head of the pin and at the same time hold of the guard and pulling them apart.

What is claimed as new is—

15 1. A pin-guard adapted to be slipped onto and removably clamped to the shank of a pin, such guard consisting of two pieces secured together by an elastic ring or band and provided with an aperture between them adapted
20 to receive the pin-shank.

2. A pin-guard consisting of two pieces se-

cured together by elastic ring or band with an aperture between them to receive the shank of the pin, one or both ends of the aperture being funnel-shaped, substantially as and for
25 the purpose described.

3. A pin-guard, consisting of two pieces secured together by an open spring-ring inserted in a groove formed around the pieces and having an aperture between said pieces adapt-
30 ed to receive the shank of a pin.

4. A pin provided with a guard composed of two main pieces secured together by an open spring ring or band C inserted in a groove in the main pieces and having an aperture
35 between the pieces in which the shank of the pin is inserted, substantially as described.

GOTTLIEB C. KLEIN.

Witnesses:

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