

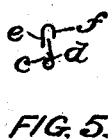
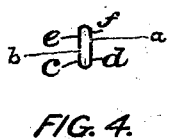
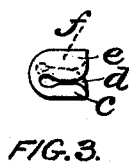
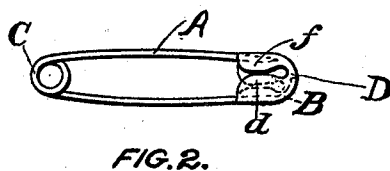
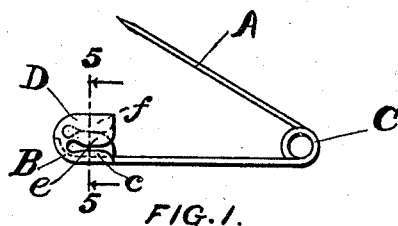
No. 643,261.

Patented Feb. 13, 1900.

G. BODEN.
SAFETY PIN.

(Application filed Feb. 21, 1898.)

(No Model.)



WITNESSES,

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UNITED STATES PATENT OFFICE.

GEORGE BODEN, OF WATERTOWN, CONNECTICUT, ASSIGNOR TO THE
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SAFETY-PIN.

SPECIFICATION forming part of Letters Patent No. 643,261, dated February 13, 1900.

Application filed February 21, 1898. Serial No. 670,995. (No model.)

To all whom it may concern:

Be it known that I, GEORGE BODEN, of Watertown, county of Litchfield, and State of Connecticut, have invented certain new and useful Improvements in Safety-Pins; and I do hereby declare the following specification, taken in connection with the accompanying drawings, forming a part of the same, to be a full, clear, and exact description thereof.

10 The invention relates to that class of safety-pins which are formed from a piece of wire and are provided with a sheet-metal guard or shield at one end for engaging and protecting the point of the pin.

15 The object of the invention is to provide an improved guard into which the pin-point may be readily and conveniently inserted from either side and in which the opposing sides of the guard insure the engagement of the pin with the guard.

20 In the accompanying drawings, Figure 1 is a side elevation of the improved pin. Fig. 2 is a similar view showing the opposite side. Fig. 3 is a side elevation of a guard before it is applied to the pin. Fig. 4 is an end elevation of the guard. Fig. 5 is a section on line 5 5, Fig. 1.

25 The wire portion of the pin is of the usual construction and is made from a single piece of wire having one end pointed to form the pin A and the other end curved, as at B, for retaining the guard in place. The wire is coiled at C to form the spring, which tends to throw the pin away from the guard when the point is free. The guard consists of a

sheet-metal cap D, the sides of which are slit at *a* and *b*, the slits being out of line with each other. The guard is secured to the wire by clamping the guard end B of said wire between the sides *c d* of the guard below the slits *a b*. The sides *c d* are bent inward out of line with the sides *e f* above the slits, so that the pin A may readily pass up into the guard. When the pin is introduced on the right side, Fig. 5, for instance, the part *d* acts as a guide to direct the pin A between the parts *e* and *f*, and the part *f* prevents the point from passing directly through the guard and out the other side. If the pin is introduced on the other side, the parts *c* and *d* direct the pin up into the guard, and the part *d* also prevents the passage of the pin directly through the guard. With this construction a thin guard may be used and the pin may be conveniently introduced from either side without danger of passing out the other side.

What I claim as my invention, and desire to secure by Letters Patent, is—

In a safety-pin formed of wire, a guard secured to the guard end of the wire, said guard having sides *e* and *f* with their edges out of line transversely, and side *e* extending below side *f* and sides *c* and *d* bent inward out of the planes of sides *e* and *f*, the edges of the sides *d* and *f* being substantially in line transversely, substantially as described.

GEORGE BODEN.

Witnesses:

J. H. BRONSON,
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