

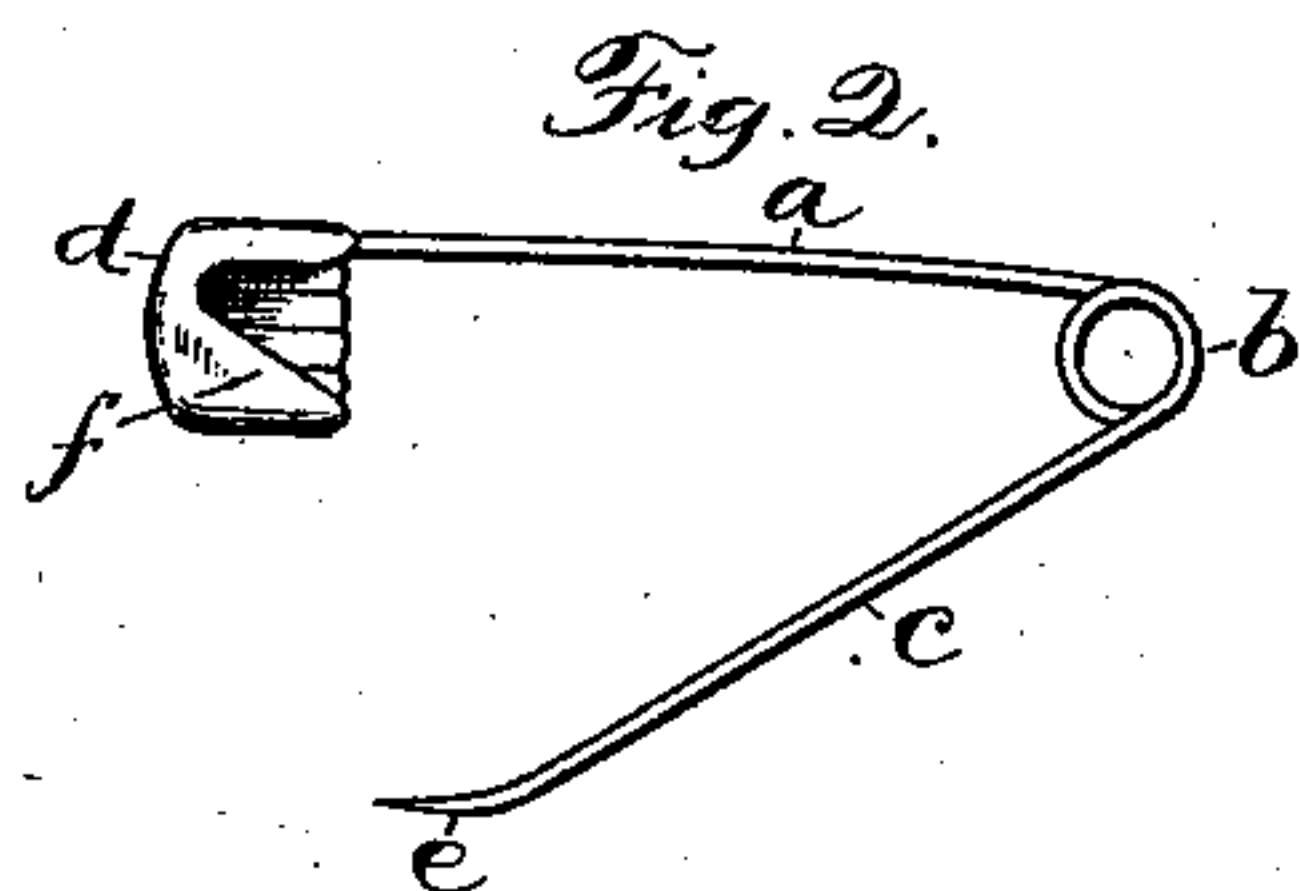
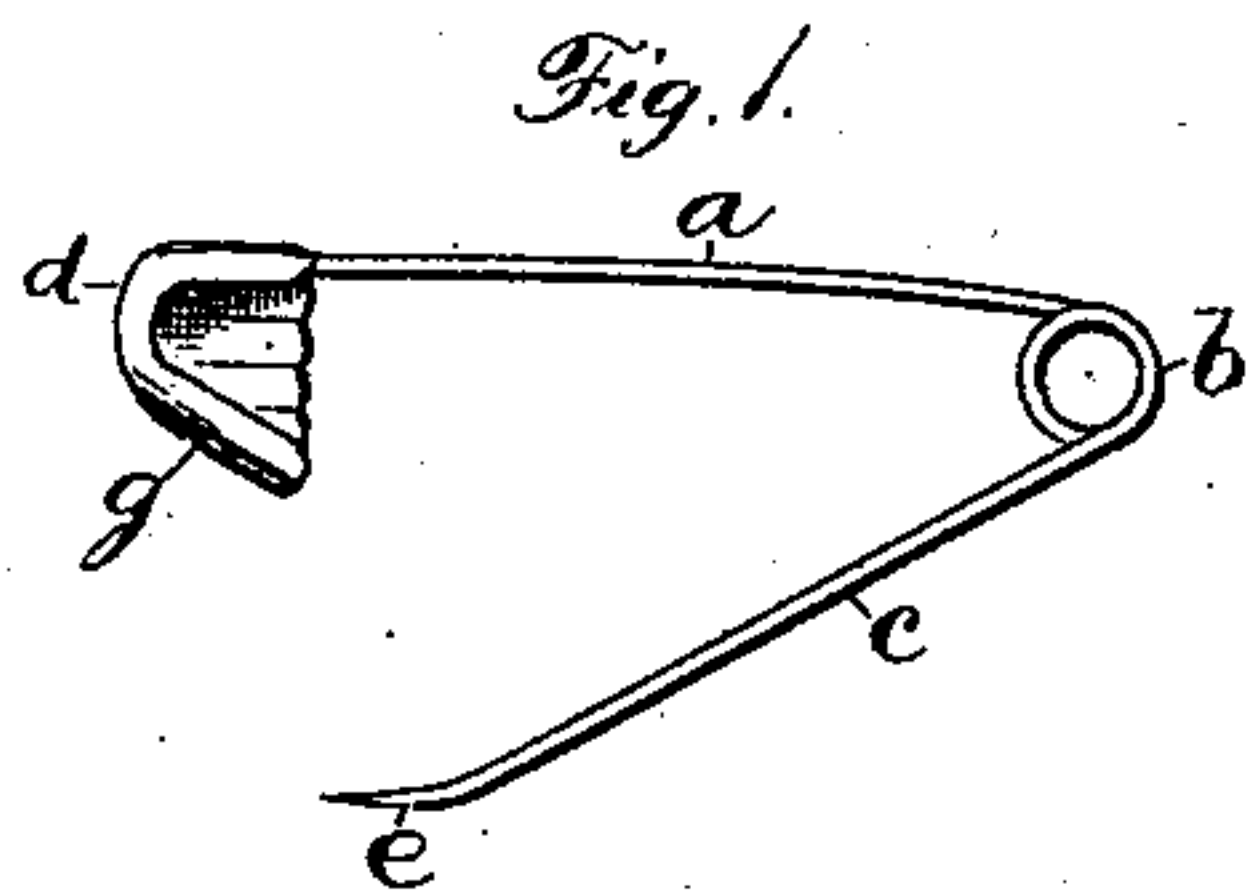
(No Model.)

D. L. DURAND.

SAFETY PIN.

No. 352,681.

Patented Nov. 16, 1886.



Witnesses.
John Edwards Jr.
W. H. Whiting

Inventor
Daniel L. Durand.
By James Shepard
Atty.

UNITED STATES PATENT OFFICE.

DAVID L. DURAND, OF DERBY, CONNECTICUT, ASSIGNOR TO THE HOUSATONIC BRASS CORPORATION, OF SAME PLACE.

SAFETY-PIN.

SPECIFICATION forming part of Letters Patent No. 352,681, dated November 16, 1886.

Application filed June 10, 1886. Serial No. 204,691. (No model.)

To all whom it may concern:

Be it known that I, DAVID L. DURAND, a citizen of the United States, residing at Derby, in the county of New-Haven and State of Connecticut, have invented certain new and useful Improvements in Safety Pins, of which the following is a specification.

My invention relates to improvements in safety-pins; and the object of my improvements is to produce a pin which will much more conveniently pass through the cloth, and can then have its point inserted within the shield or guard with less liability than heretofore of breaking or bending the body of the pin.

In the accompanying drawings, Figures 1 and 2 are side elevations of my pin, showing two different forms of shield.

The main portion of the pin is of ordinary construction for this class of pin, and consists, essentially, of the back *a*, the spring-coil *b*, the pin *c*, and the shield or guard *d*.

Instead of making the pin in the ordinary form, I bend the pointed end inwardly toward the back *a*, as at *e*, while the body of the pin is substantially straight and of the usual form.

Substantially the ordinary form of shield may be used, with its flange widened, as at *f*, Fig. 2, so as to cover the point of the pin when it is within the shield, or, if desired, the shield may be made slanting at the edge which incloses the point, when said point will be covered by a narrow flange, *g*, as shown in Fig. 1. These two examples will show how the shield may be slightly varied. Any ordinary form of shield which will properly cover the point of the pin when bent inwardly, as shown, will answer the purposes of my invention.

By making the body of the pin of the ordinary form and bending a short portion at the pointed end inwardly, the pin can be much more conveniently passed through the cloth, and when passed through its point can be in-

serted within the shield without subjecting the pin to any severe strains, because, even with thick and heavy cloth or a large number of thicknesses, the point of the pin will come through with a less body of cloth upon its inside—that is to say, it will be less likely to take hold of more cloth than can be held between the pin and back, and therefore there is less liability of breaking or bending the pin.

Safety-pins as heretofore made, so far as I am aware, have been substantially straight from the extreme point to the spring-coil. In using such pins the cloth has to be gathered between the fingers into a sort of a ridge before the pin is passed through, or else after the point of the pin has been entered its spring end has to be pushed down upon as a lever in order to make the pointed end protrude. By my improvement the point of the pin will soon protrude from the cloth by reason of its bent end, and even though the cloth be not first formed into a ridge.

I claim as my invention—

1. The improved safety-pin herein shown and described, in which the pin *c* has a short portion at the pointed end bent inwardly toward the back, substantially as described, and for the purpose specified.

2. The improved safety-pin herein shown and described, the same consisting, essentially, of a shield, back, spring, and pin, the latter having a short portion at the pointed end bent inwardly toward the back, while the shield has its flange formed with special reference to covering the point of the pin thus bent, substantially as described, and for the purpose specified.

DAVID L. DURAND.

Witnesses:

JOHN E. LEWIS,
E. C. DEW.