

(No Model.)

W. I. TUNISON.
SAFETY PIN.

No. 568,384.

Patented Sept. 29, 1896.

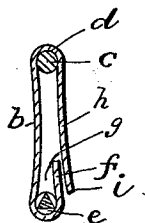
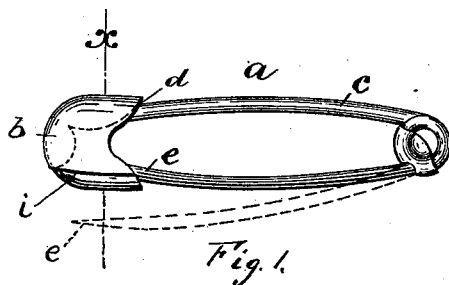


Fig. 2.

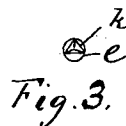


Fig. 3.



Fig. 4.

WITNESSES:

INVENTOR:

Oscar A. Michel.
Martin Van Hornberg

William I. Tunison,
BY
James J. Van Hornberg
ATTORNEY.

UNITED STATES PATENT OFFICE.

WILLIAM I. TUNISON, OF PATERSON, NEW JERSEY.

SAFETY-PIN.

SPECIFICATION forming part of Letters Patent No. 568,384, dated September 29, 1896.

Application filed August 13, 1894. Serial No. 520,133. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM I. TUNISON, a citizen of the United States, residing in the city of Paterson, county of Passaic, and State of New Jersey, have invented certain new and useful Improvements in Safety-Pins; and I do hereby 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.

The objects of my invention are to produce a safety-pin having provision for easy insertion of the point into the fabric or garment and to facilitate the engagement of the pin-point with the hood or guard. I attain these objects by means of the construction shown in the accompanying drawings, forming a part of this specification, and in which—

Figure 1 is a side view of my improved safety-pin, showing in dotted lines the point of the pin disengaged from the guard. Fig. 2 is a section through line X X of Fig. 1. Figs. 3 and 4 are detail views of the pin portion.

My safety-pin is made from a piece of spring-wire *a*, having the usual coil near the center of the piece and one of its terminals pointed, while the other end has soldered or otherwise connected to it a hood or point-guard *b* of peculiar construction. This hood or guard *b* is doubled upon itself and soldered to the end of the wire forming the pin at *d*, and is provided with an upwardly-extending lip *f*, forming a recess at *g* for engagement of the pin-

point. The opposite edge *i* of the hood or guard overlaps the lip *f* and forms a spring-guard *h* for preventing the pin-point from disengagement from the recess *g*.

It will be noticed that the lower end *i* of the guard is bent slightly outward to form a recess between it and the lip *f* for the easy engagement of the pin-point, and to further assist in the engagement of the parts the point *e* of the pin *c* is made triangular in cross-section, as at *k*, with the apex of the angle uppermost, so as to act to some extent like a wedge to force its way in between the guard and the lip *f*. The triangular point also assists in the easy penetration of the fabric.

I claim—

A safety-pin having a hood of sheet metal bent upon itself and soldered to the end of the wire forming the pin, back of said hood having an upwardly-extending lip to form a recess to hold the pin-point and a downwardly-extending and overlapping spring-guard having its terminal edge bent outward from the lip to form a tapering entering recess for the pin-point, said pin-point being triangular in cross-section, with the apex of the angle uppermost to easily enter the recess between the lip and spring-guard, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 7th day of August, 1894.

WILLIAM I. TUNISON.

Witnesses:

JAMES J. VAN HOVENBERG,
OSCAR A. MICHEL.