(No Model.)

M. RHINE.

SAFETY PIN.

No. 606,427. Patented June 28, 1898.

Fig. 1.

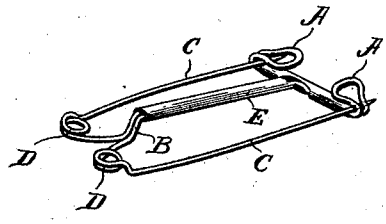
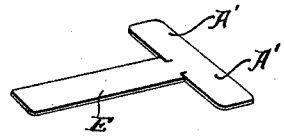


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

MINNIE RHINE, OF PHILADELPHIA, PENNSYLVANIA.

SAFETY-PIN.

SPECIFICATION forming part of Letters Patent No. 606,427, dated June 28, 1898.

Application filed October 8, 1897. Serial No. 654,534. (No model.)

To all whom it may concern:

Be it known that I, MINNIE RHINE, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Improvement in Safety-Pins, of which the following is a specification.

My invention relates to a new and useful improvement in double safety-pins, and has for its object to provide a simple and cheap device of this description which may be utilized for the various purposes to which such devices are put and have but little tendency to set or become disarranged.

With these ends in view this invention consists in the details of construction and combination of elements hereinafter set forth, and then specifically designated by the claim.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, the construction and operation will now be described in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective of a pin made in accordance with my improvement; Fig. 2, a detail perspective of the metal strip for holding the two sections of the pin in place relative to each other.

In carrying out my invention as here embodied I take a single piece of wire and so bend it as to produce the two hooks A, suitable cross-bars, shanks B, and the prongs C, between which latter and the shanks are formed the spring-coils D. After this operation the thin sheet-metal strip E (shown in Fig. 2,) is bent around the shanks and cross-bars, as clearly shown in Fig. 1, thereby securing said shanks together and inclosing the cross-bars. This arrangement leaves a sufficient length of the shanks free to add spring action to the prongs, and this, in connection with the coil-springs D, will permit the movements of the prongs without liability of setting. The shanks are bent upward in leaving the cross-bars and downward in reaching the coils, the object of which is to remove the shanks out of the same plane. To prevent the pulling apart of the sections of the pin, I provide a T-shaped plate or strip, as shown in Fig. 2, having the arms A′ A′, which are bent around the arms A A of the pin and the shank or body portion E bent around the shanks B, whereby it will be seen that the halves or sections of the pin will be held against displacement with the prongs, which will permit the pin to lie flat upon the material in which it is secured. Slight modifications might be made in this construction without departing from the spirit of my invention.

Having thus fully described this invention, what is claimed as new and useful is—

A safety-pin consisting of a single piece of wire doubled on itself and then bent to produce a T-shaped figure having the shanks B and hooked arms A, A, the ends C, C, of the wire being bent parallel with the shanks to engage the hooks, said shanks being bent down just before their junction with the arms A, A, and the ends C, C, whereby said ends are in a plane below that of the shanks, and in combination a T-shaped plate having the arms A′, A′, and the shank E, said arms being bent around the arms A, A, and the shank E around the shanks B, substantially as shown and described.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

MINNIE RHINE.

Witnesses:
S. S. WILLIAMSON,
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