(No Model.)

E. HUONCKER.

SAFETY PIN.

No. 374,898. Patented Dec. 13, 1887.

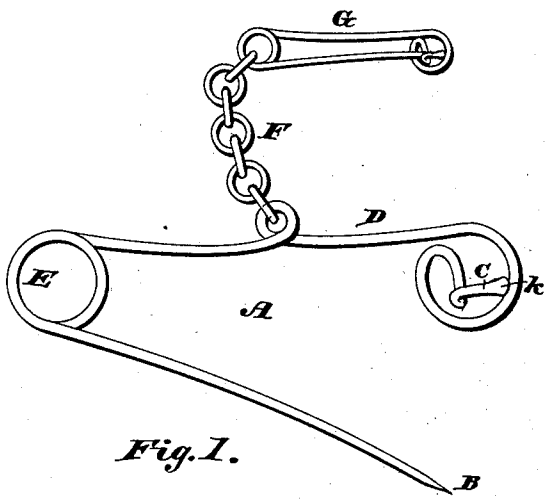


Fig. 1.

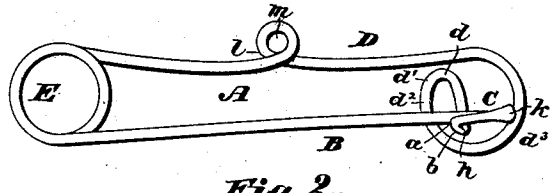


Fig. 2.

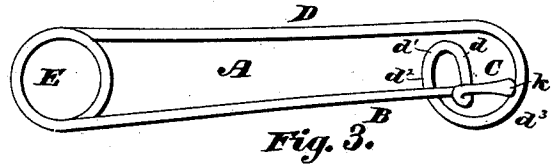


Fig. 3.

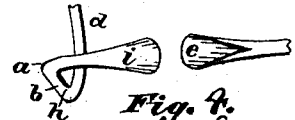


Fig. 4.

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UNITED STATES PATENT OFFICE.

EMANUEL HUONCKER, OF CANTON, OHIO.

SAFETY-PIN.

SPECIFICATION forming part of Letters Patent No. 374,898, dated December 13, 1887.

Application filed January 15, 1887. Serial No. 224,429. (No model.)

To all whom it may concern:

Be it known that I, EMANUEL HUONCKER, a citizen of the United States, and a resident of Canton, county of Stark, State of Ohio, have invented a new and useful Improvement in Safety-Pins, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification.

My invention relates to improvements in safety-pins; and it consists of the hereinafter-described safety-pin, as shown, and set forth in the claims.

Figure 1 is a plan view of a safety-pin embodying my invention, showing the pin open and having attached a chain and small pin, hereinafter described. Fig. 2 is same view of the pin without the chain and small pin, but showing the pin closed. Fig. 3 is same view of pin without the loop on the back. Fig. 4 is a view of the shield for the point of the pin, showing a front and rear view of shield.

Similar letters of reference indicate corresponding parts in all of the figures of the drawings.

Letter A represents a pin embodying my invention, and is formed of a single piece of wire having one end reduced to a sharp point, as shown at B, the other end, C, formed into a hood or spoon shaped shield for the point of the pin.

The pin is formed in the following manner: Beginning at the clasp end, the shield-section C is about parallel with the pin-section B and back section, D, as shown in Figs. 1, 2, and 3, and extends to a point, *a*, at which point it is so bent as to form a downwardly-projected section, *b*, then upwardly to *d*, thus forming a catch or clasp, *h*, for the pin B to rest in when closed. From *d* the wire is bent over *d'*, forming a downwardly-projected section, d^2, and an upwardly-projected section, d^3, engaging the shield C, as shown at *k*, and thence over and back to *l*, at which point it is turned back upon itself and over and outward, forming the loop *m*, after which it is bent about, forming a coil-spring, E, as shown, and terminating in the pin-section B; or, if preferred, the loop in back section, D, may be omitted, as shown in Fig. 3.

The shield C is concaved on the inside, as shown at *e*, Fig. 4, and convex on the outside, as shown at *i*.

The shield C may be formed by swaging in any of the well-known ways of stamping or pressing, having a die adapted to the desired form.

The chain F may be of any of the well-known and approved forms for such purposes, and small pin G may be formed as A, hereinbefore described.

The object of the chain and small pin is to secure the larger pin to whatever place or garment it may be used, as when used as a holder of bed or cradle covering for children the small pin may be attached to the mattress and remain so fixed that large pin may be in its place to fasten the covering when wanted.

When used as a shawl-pin, if not in connection with a chain and small pin, the loop *m* may be used to support such ornament or charm as may be desired.

Having thus fully described and set forth the nature and object of my invention, what I claim, and desire to secure by Letters Patent, is—

1. As a new article of manufacture, a safety-pin made of a single piece of spring-wire having at one of its ends a shield, C, provided with the concave *e*, the downwardly-projected section *b*, catch *h*, upwardly-projected section *d*, downwardly-projected section d^2, upwardly-projected section d^3, engaging with the shield C, the coil-spring E, and pin-section B, substantially as described and set forth.

2. The herein-described safety-pin, consisting, essentially, of a single piece of spring-wire coiled to form a spring at one end of the pin and turned in curved form at the opposite end of the pin, one end of the wire pointed to form the pin proper and the opposite end spread to form a shield, the wire being bent near its shield end to form a catch and turned to form a loop, *m*, intermediate of its ends, the shield end extending outwardly into proximity to the curved end of the pin, substantially as set forth.

In testimony whereof I have hereunto set my hand this 15th day of December, A. D. 1886.

EMANUEL HUONCKER.

Witnesses:
W. K. MILLER,
CHAS. R. MILLER.