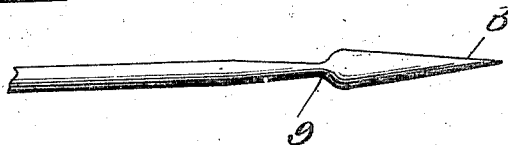
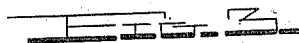
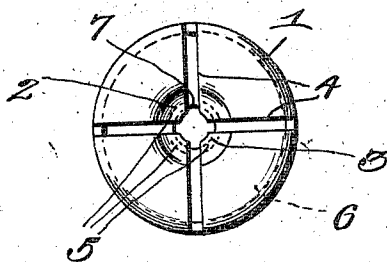
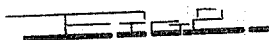
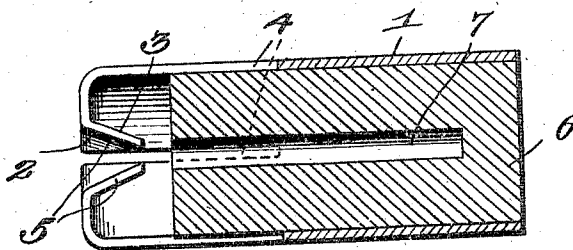
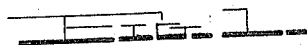


J. F. HATTAN.
SAFETY TIP FOR HAT PINS.
APPLICATION FILED JUNE 3, 1911.

1,049,324.

Patented Dec. 31, 1912



Witnesses

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UNITED STATES PATENT OFFICE.

JOSEPH F. HATTAN, OF MARION, INDIANA.

SAFETY-TIP FOR HAT-PINS.

1,049,324.

Specification of Letters Patent.

Patented Dec. 31, 1912

Application filed June 3, 1911. Serial No. 631,077.

To all whom it may concern:

Be it known that I, JOSEPH F. HATTAN, a citizen of the United States, residing at Marion, in the county of Grant and State of Indiana, have invented certain new and useful Improvements in Safety-Tips for Hat-Pins, of which the following is a specification, reference being had to the accompanying drawings.

This invention is an improved safety tip for hat pins and consists in the construction, combination and arrangement of devices hereinafter described and claimed.

The object of my invention is to provide an improved device of this character for use on the point of a hat pin to prevent any one from being injured thereby.

The device is extremely cheap and simple, is very strong and durable, and may be easily applied to and removed from the point of a hat pin.

Figure 1 is a longitudinal sectional view of my invention. Fig. 2 is an end elevation of the same and Fig. 3 is a detail view of a portion of the hat pin on which my safety tip is used.

Referring more specifically to the drawing by numerals 1 designates the tubular body portion of my improved safety tip. It is preferably made of spring brass or steel or any other similar spring material. One end of the body is open and the other end is inturned, funnel shaped and closed as at 2 to form a conical mouth 3. A suitable number of radial cuts or slits 4 are provided in the closed end of the body portion 1 so that the portions of the funnel shaped end of the body between said slits form spring locking tongues 5 which are segmental in form. The plug 6 which is secured in the body and the inner end of which is spaced from the conical mouth 3, is provided with a longitudinal bore 7 which is co-incident with the entrance opening which extends in through the mouth. Preferably the plug 6 projects into the open end of the tubular body 1 to a point beyond the inner ends of the longitudinal cuts or slits 4 so that while the spring locking tongues 5 may freely yield in an outward direction upon the insertion of the pointed end of a hat pin, they

will be protected to a considerable degree from becoming mashed inwardly owing to the disposition of the plug 6 just mentioned. Thus the end of the plug 6 which lies close to, but spaced from the inwardly turned free ends of the tongues will reinforce the base ends of the same and prevent undue inward compression from mashing the tongues.

In connection with my safety tip, I employ a hat pin of the form shown in Fig. 3, which is provided near its point 8, with an annular recess 9. When the hat pin point is inserted through the mouth 3 into the bore 7, it displaces the spring locking tongues 5 and the latter engage the recess 9 of the pin, thereby locking the tip thereon.

It is to be understood that while I have shown and described the preferred embodiment of my invention, I do not wish to be limited to this exact structure but may make such changes as may fall within the scope and spirit of the invention as defined by the appended claim.

Having thus described my invention I claim:

A hat pin safety tip comprising a body closed at one end and open at the other end, and a plug in said body, said body being tubular, formed of spring material and having the closed end inturned, and funnel shaped to form a conical mouth, the apex of said mouth being apertured for the passage of a pin therethrough, said mouth being also provided with a series of radial slits causing the portions of the funnel shaped end of the body between the slits to form segmental locking tongues, the plug being provided with a bore to receive the point of the pin, said bore being coincident with the apex of the funnel shaped end of the body and terminating short of the outer end of the plug, the inner end of the plug extending into and bearing upon the slotted portion of the body, for the purpose specified.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

JOSEPH F. HATTAN.

Witnesses:

ROBERT A. BARNES,
JOHANNA BARNES.