

S. PAPANEK.
HAT PIN POINT PROTECTOR.
APPLICATION FILED NOV. 6, 1911.

1,037,043.

Patented Aug. 27, 1912.

FIG. 1

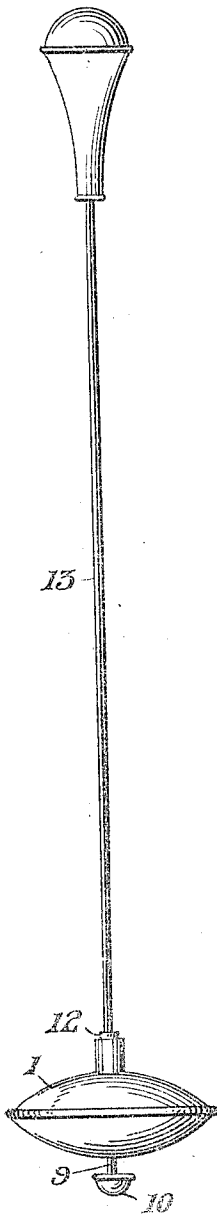


FIG. 2

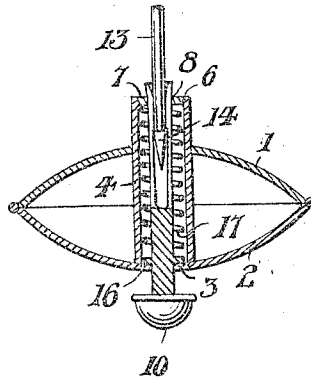


FIG. 3

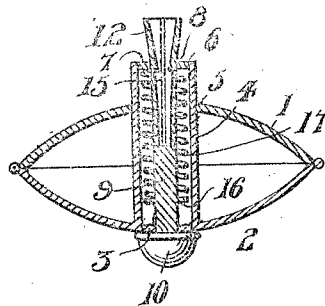
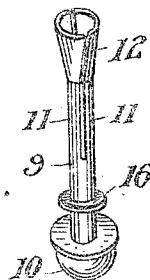


FIG. 4



WITNESSES

J. P. Appleman,
Ralph C. Evert.

INVENTOR

S. Papanek

BY

H. C. Evert

ATTORNEYS

UNITED STATES PATENT OFFICE.

STEPAN PAPANЕК, OF CHICAGO, ILLINOIS.

HAT-PIN-POINT PROTECTOR.

1,037,043.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, STEPAN PAPANЕК, a subject of the King of Bohemia, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Hat-Pin-Point Protectors, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a hat pin point protector and guard, and the objects of my invention are to provide a guard that can be easily and quickly mounted upon the pointed end of the pin preventing pedestrians and other persons from being injured when contacting with the pin, and to provide a guard that serves as a lock for preventing accidental displacement of the pin relatively to a hat.

Further objects of my invention are to provide a device of the above type that is susceptible to any desired ornamentation, and to accomplish the above results by a mechanical construction that is simple, durable and highly efficient for the purposes for which it is intended.

With the above and other objects in view the invention resides in the novel construction, combination and arrangement of parts to be hereinafter specifically described and then claimed.

Reference will now be had to the drawing, wherein:—

Figure 1 is a side elevation of the hat pin point protector and lock. Fig. 2 is an enlarged vertical sectional view of the protector in a locked position. Fig. 3 is a similar view of the protector in an unlocked position, and Fig. 4 is an enlarged perspective view of a detached locking member.

A hat pin point protector and guard in accordance with this invention comprises a head composed of two convexo-concave shells 1 and 2 having the edges thereof soldered or otherwise connected together.

The reference character 4 denotes a sleeve which is integral with the shell 2 and has the outer end closed through the medium of a plate 3 provided with a central opening. The sleeve 4 extends through and projects from the shell 1. An opening 5 is provided in the shell 1 for the passage of the sleeve 4. The projecting end of the sleeve 4 has its inner face interiorly threaded, as at 6 and with the threads engaging a cap 7 formed with a central opening 8, the wall

of the latter being grooved. The opening 8 aligns with the opening in the plate 3 and arranged in said openings is a locking member comprising a stem 9 which extends through the opening in the plate 3 and a pair of resilient gripping arms 11 which extend through the opening 8. The stem 9 is formed with a head 10 which engages the outer side of the shell 2. The resilient gripping arms 11 are formed by cutting away the inner portion of the stem 9 so as to provide two oppositely disposed semi-cylindrical gripping arms 11 that are flared, as at 12 to provide an entrance opening for the pointed end of a pin 13. The pointed end of the pin has a spear shaped head 14 and the inner sides of the arms 11 are provided with shoulders 15 to engage the head 14.

The stem 9 has a collar 16 adjacent to the head 10 thereof and encircling said stem, between the collar 16 and the cap 7 is a coiled spring 17. The tension of the spring is sufficient to retain the protector or guard in a locked position, as shown in Fig. 2. When in this locked position the collar 16 engages the inner side of the shell 2 and the locking arms 11 are in engagement with the pointed end of the pin, the shoulders 15 preventing the withdrawal of the head 14 of the pin 13.

By pushing inwardly upon the head 10 the arms 11 are shifted through the opening 8 and allowed to spread apart and release the head 14. This movement of the stem 9 places the spring 17 under tension and when the head 10 is released the locking device immediately assumes a locked position, as shown in Fig. 2.

The head 10 is held in engagement with the shell 2, as shown in Fig. 3, when a pin is placed in engagement with the device, and then the head 10 is released to allow the device to lock upon the pointed end of the pin.

What I claim is:—

The combination with a hat pin having the pointed end thereof provided with a spear-shaped head, a casing formed of a pair of oppositely disposed concavo-convex shells, each of said shells having a centrally disposed opening, a sleeve connected to the wall of the opening of the outer shell and projecting through the opening of the inner shell, a plate mounted in the outer end of said sleeve and having a centrally disposed opening, an apertured cap detachably mounted in the projecting end of said sleeve, a shiftable

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stem extending through the opening of the plate and into said shell, said stem having the inner portion hollowed and slitted to provide a pair of semicircular resilient gripping arms and capable of spreading apart when the stem is shifted inwardly, the upper ends of said arms being flared, the inner terminus of the flared portion of each of said arms being shouldered and capable of
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10 engaging with the shouldered end of the pin, a collar carried by the stem, a head

carried by the stem and arranged exteriorly of said casing, and a spring surrounding the stem and interposed between the collar and said cap.

In testimony whereof I affix my signature in the presence of two witnesses. 15

STEPAN PAPANEK.

Witnesses:

LADISLAW SKODA,
C. A. GILLESPIE.