F. TROJAN.

HAT PIN POINT PROTECTOR.

APPLICATION FILED SEPT. 6, 1911.

1,015,099.

Patented Jan. 16, 1912.

FIG. 1

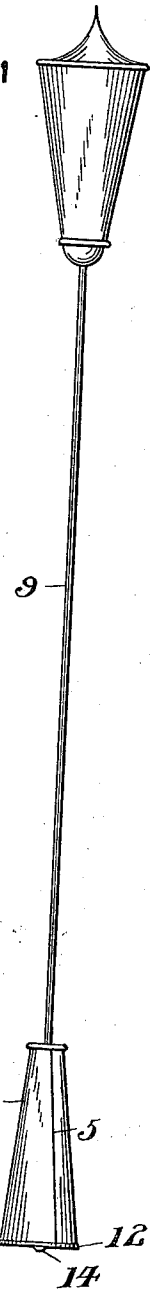


FIG. 2

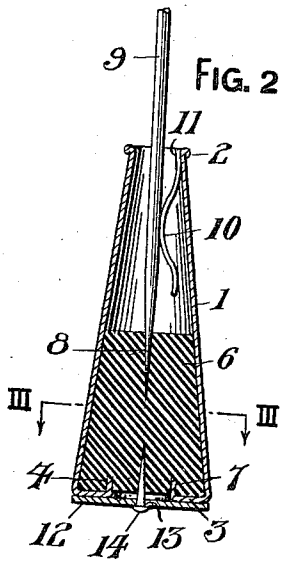
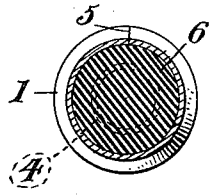


FIG. 3



WITNESSES

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HAT-PIN-POINT PROTECTOR.

1,015,099. Specification of Letters Patent. Patented Jan. 16, 1912.

Application filed September 6, 1911. Serial No. 647,817.

To all whom it may concern:

Be it known that I, FRANK TROJAN, a subject of the Emperor of Austria-Hungary, residing at New Bedford, in the county of Bristol and State of Massachusetts, 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 hatpin point protector, and my invention aims to provide a simple and inexpensive device that can be easily placed upon the pointed end of a pin to prevent pedestrians from contacting with the same and being injured.

The invention further aims to provide a hatpin point guard that will prevent the pin from becoming accidentally displaced relatively to a hat.

The invention still further aims to accomplish the above results by a durable device that is susceptible to any desired ornamentation.

I attain the above objects by a mechanical construction that will be hereinafter specifically described and then claimed, and reference will now be had to the drawing, wherein:—

Figure 1 is a side elevation of a hatpin provided with the device, Fig. 2 is an enlarged longitudinal sectional view of the device, and Fig. 3 is a cross sectional view taken on the line III—III of Fig. 2.

A device in accordance with this invention comprises a conical-shaped shell 1 having the inner end thereof reamed, as at 2 to eliminate a sharp edge. The outer or large end of the shell has an inwardly projecting horizontal flange 3 and the inner edges of said flange are bent into the shell 1 to provide an annular collar 4. The shell 1 is preferably made of a single piece of material bent to form a flange 3 and the collar 4 and then bent to the conical form with the edges of the pieces abutting, as at 5.

Arranged within the outer large end of the shell 1 is a tapering block 6 made of resilient or yieldable material, as rubber and the lower large end of this block has an annular groove 7 to receive the collar 4, said collar coöperating with the flange 3 in preventing the block 6 from being accidentally displaced. The block 6 is adapted to receive the pointed end 8 of a hatpin 9 and to retain the hatpin within the shell 1 and the block 6, a small flat spring 10 is arranged within said shell with the inner end 11 thereof soldered or otherwise connected to the small end of the shell 1. This flat spring frictionally engages the hatpin 9 and assists the resilient block 6 in frictionally holding the hatpin.

Arranged upon the large end of the shell 1 against the outer side of the flange 3 is a cap 12 of a diameter equivalent to the large end of the shell 1, said cap having a central opening 13 for a pin 14 that is driven into the block 6 to retain the cap 12 in engagement with the flange 3. The cap 12 is susceptible to any desired ornamentation and can represent an ornamental head conforming in finish to the head of the pin 9.

In some instances, particularly in connection with a cheap article, the cap 12 can be dispensed with.

The shell 1 is preferably made of malleable metal, whereby after the cap 12 has been removed, the block 6 can be pushed inwardly a short distance to release the collar 4, and then the shell unrolled to release the block 6, which can be renewed.

What I claim is:—

1. A hatpin point protector comprising a conical-shaped shell having the outer end thereof flanged inwardly and the inner edges of the flange bent to provide a collar, a tapering resilient block arranged in the large end of said shell and having an annular groove to receive said collar, and a flat spring arranged in the small end of said shell and adapted to frictionally engage the end of a pin extending into said shell and into said block.

2. A hatpin point protector comprising a conical-shaped shell having the outer end thereof flanged inwardly and the inner edges of the flange bent to provide a collar, a tapering resilient block arranged in the

large end of said shell and having an annular groove to receive said collar, a flat spring arranged in the small end of said shell and adapted to frictionally engage the end of a pin extending into said shell and into said block, a cap arranged upon the large end of said shell and against the flange thereof, and means engaging the block for retaining said cap in engagement with said flange.

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

FRANK TROJAN.

Witnesses:
PIOT HELMASECRYK,
SZCZEPAN KARCMAREJK.