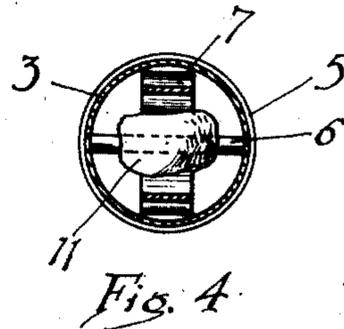
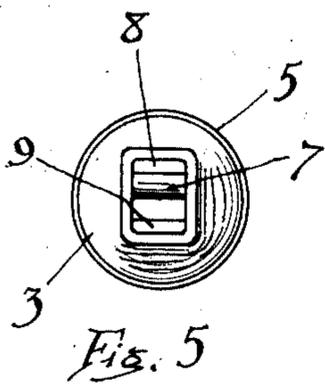
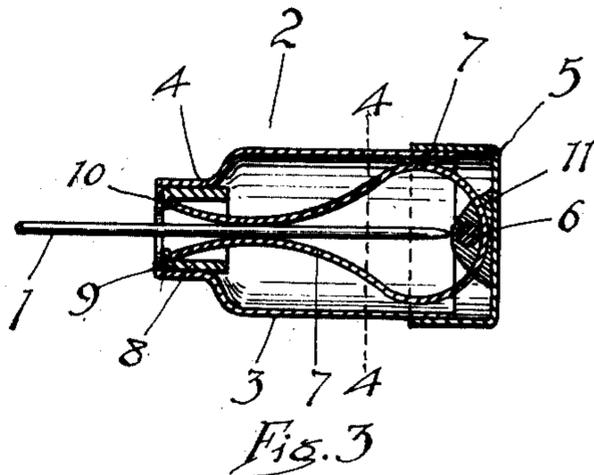
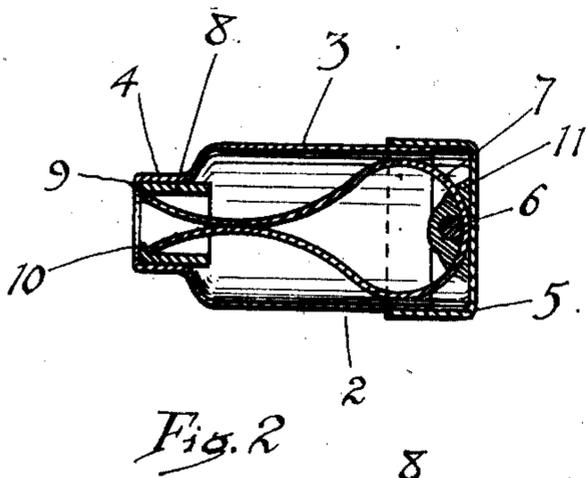


No. 864,610.

PATENTED AUG. 27, 1907.

A. CARLYLE.
HAT PIN GUARD.
APPLICATION FILED APR. 4, 1907.



Witnesses:
Geoffrey Holt.
C. L. Howe.

Inventor,
A. Carlyle.
By J. M. Wright,
Attorney.

UNITED STATES PATENT OFFICE.

ANASTASIA CARLYLE, OF SAN FRANCISCO, CALIFORNIA.

HAT-PIN GUARD.

No. 864,610.

Specification of Letters Patent.

Patented Aug. 27, 1907.

Application filed April 4, 1907. Serial No. 366,257.

To all whom it may concern:

Be it known that I, ANASTASIA CARLYLE, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have
5 invented new and useful Improvements in Hat-Pin Guards, of which the following is a specification.

This invention relates to an improved hat-pin guard, the object of the invention being to provide a device adapted to be secured upon the pointed end of a hat-
10 pin when in position, to retain the hat-pin in place, and also to guard against the point of the pin penetrating or scratching adjacent persons or objects, which device shall be simple in construction, containing few parts and those easily assembled, which can be readily
15 designed to conform to the head of the pin, so as to be pleasing and attractive in appearance, and which will also contain a comparatively soft or yielding stop to arrest the point of the pin without blunting it.

In the accompanying drawing, Figure 1 is a perspective view showing the device in use; Fig. 2 is an enlarged longitudinal section of the device detached; Fig. 3 is a similar view of the device in position; Fig. 4 is a cross section on the line 4-4 Fig. 3. Fig. 5 is a front view.

Referring to the drawing, 1 indicates a hat-pin, and
25 2 indicates my improved guard, said guard comprises a casing 3 having a contracted mouth 4, and upon the rear or larger end thereof is a cap 5. Secured transversely within said cap is a pin 6, around which extends a plate spring 7, each side of which is bent in a
30 ogee curve, said sides first converging and meeting, and then curved outwardly towards their ends. The outwardly curving ends of said sides are received within a sleeve 8, fitted securely within the narrow end or mouth 4 of the casing 3, and having at its mouth a
35 small peripheral ridge or flange 9 which abuts against said contracted mouth. Said sleeve is formed with small inwardly projecting lips 10, which act as abutments for the ends of the spring. In order to additionally secure the spring in position the center thereof is
40 preferably attached to the transverse pin 6 by a piece of solder 11 and this solder also serves as a comparatively soft or yielding stop for the point of the pin when the guard is placed in position.

The operation of the device is as follows:—The hat-

pin having been inserted through the hat, the guard is
45 pushed over the pointed end thereof and said end is thereby caused to enter between the converging portions of the sides of the spring, and these sides, as the pin is pushed therebetween, firmly grip the pin and
50 retain it sufficiently against accidental removal, while permitting the pin to be removed by a sufficiently strong pull. The point of the pin is thus completely inclosed by the guard so that no injury can be caused
thereby.

I claim:—

1. A device of the character described, comprising a casing having a mouth, and a single plate spring within said casing bent in the middle; each side of the spring being formed in an ogee curve, said sides converging towards their ends from the middle portion and meeting;
60 and then being curved outwardly to their ends, said ends being adjacent to the mouth of the casing, substantially as described.

2. A device of the character described, comprising a casing having a mouth, and a plate spring within said
65 casing bent in the middle, each side of the spring being formed in an ogee curve, said sides first converging and meeting and then being curved outwardly toward their ends, and a sleeve within said mouth having inwardly projecting lips, the ends of the spring abutting against
70 said lips, substantially as described.

3. A device of the character described, comprising a casing having a mouth, a pin extending transversely within said casing, and a plate spring within said casing bent in the middle around said pin, each side of the spring
75 being formed in an ogee curve, said sides first converging and meeting and then being curved outwardly toward their ends, said ends being adjacent to the mouth of the casing, substantially as described.

4. A device of the character described, comprising a casing having a mouth, and a plate spring within said casing bent in the middle, a piece of soft metal securing the middle of said spring and acting as a stop for the point of the pin, each side of the spring being formed in
80 an ogee curve, said sides first converging and meeting and then being curved outwardly toward their ends, said ends being adjacent to the mouth of the casing, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

ANASTASIA CARLYLE.

Witnesses:

C. L. HOWE,

D. B. RICHARDS.