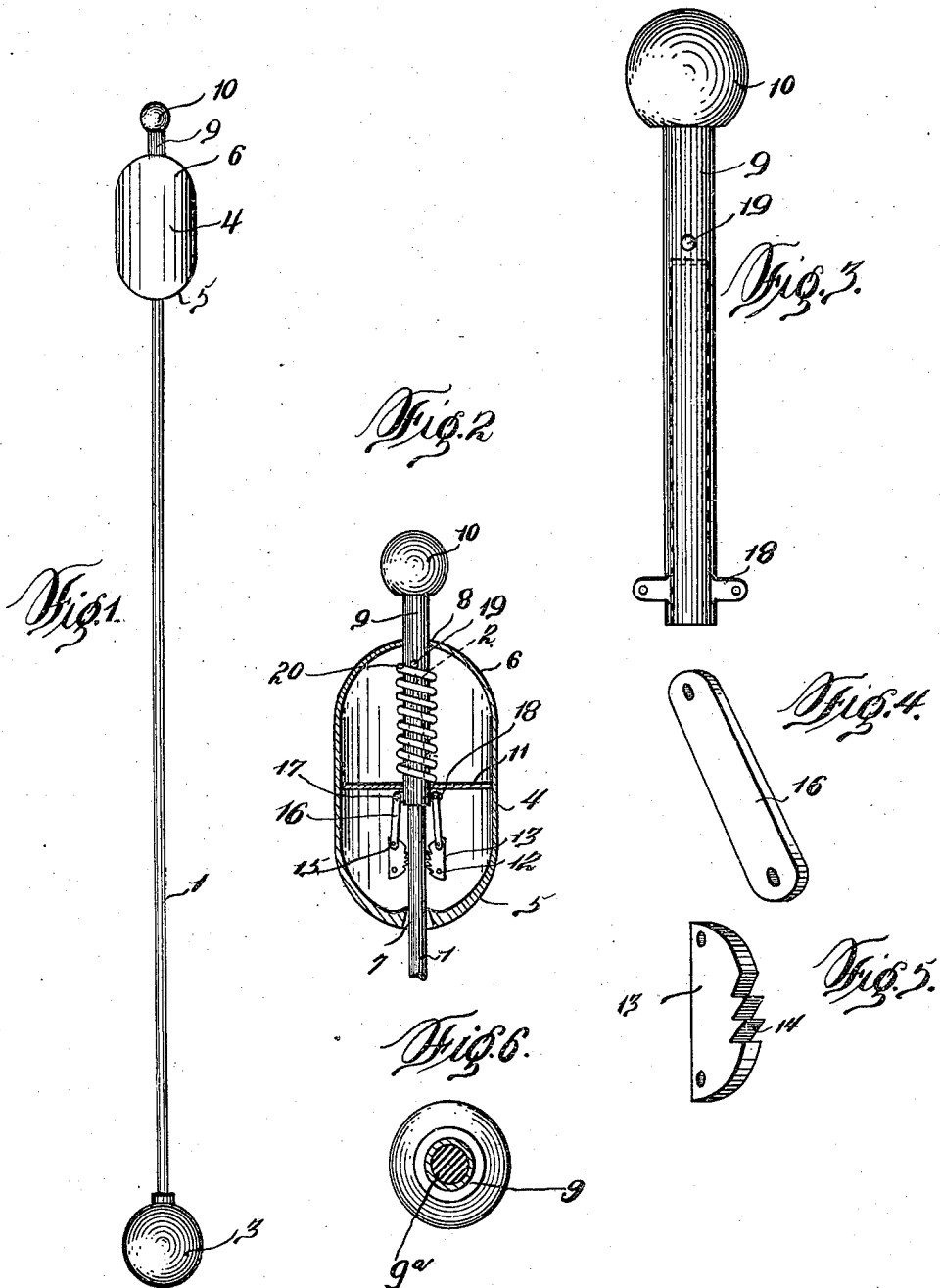


J. W. BARNARD.
HAT PIN PROTECTOR AND FASTENER.
APPLICATION FILED MAY 14, 1910.

987,533.

Patented Mar. 21, 1911.



WITNESSES
David Turner
R. H. Butler

INVENTOR
J. W. Barnard
BY *A. C. Everett Co.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

JAMES W. BARNARD, OF MORGANTOWN, WEST VIRGINIA.

HAT-PIN PROTECTOR AND FASTENER.

987,533.

Specification of Letters Patent.

Patented Mar. 21, 1911.

Application filed May 14, 1910. Serial No. 561,231.

To all whom it may concern:

Be it known that I, JAMES W. BARNARD, a citizen of the United States of America, residing at Morgantown, in the county of Monongalia and State of West Virginia, have invented certain new and useful Improvements in Hat-Pin Protectors and Fasteners, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a hat pin protector and fastener, and the objects of my invention are, first, to provide a novel device for protecting the point of a pin, as a hat pin, thereby preventing a person from being injured by contacting with the same; second, to provide a fastening device that can be mounted upon the pointed end of the hat pin to prevent the same from being lost or becoming accidentally disengaged from a hat; and third, to provide a hat pin protector and fastener that is simple in construction, durable, easy to manipulate, and highly efficient for shielding and protecting the point of a pin.

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 forming a part of this specification, wherein:

Figure 1 is a side elevation of the device as applied to a hat pin. Fig. 2 is an enlarged vertical sectional view of the device. Fig. 3 is an enlarged elevation of a detached sleeve adapted to form part of the device. Fig. 4 is a perspective view of a detached link, Fig. 5 is a similar view of a detached gripping member, and Fig. 6 is a horizontal sectional view of the sleeve forming part of the protector, showing a cushion used in connection with the same.

In the accompanying drawings the reference numeral 1 denotes a pin having one end thereof tapered or pointed, as at 2, while the opposite end is provided with a suitable head 3. This pin is of that type commonly used for fastening a hat upon a woman's head, the pin extending through the crown of the hat and the hair of the head.

The protecting and fastening device which I employ for retaining the hat pin in a hat comprises a cylindrical casing 4 having rounded ends 5 and 6, the rounded end 5 having a central tapered opening 7 to receive the pointed end of the hat pin 1. The rounded end 6 is provided with a central

opening 8 longitudinally alining with the opening 7, and in the opening 8 is slidably mounted a sleeve 9 having the outer end thereof provided with a suitable head or handle 10. The inner end of the sleeve 9 is loosely mounted in a central transverse partition 11 arranged within the casing 4, and the inner end of the sleeve is adapted to receive the point 2 of the pin.

Arranged transversely of the casing 4 between the opening 7 and the partition 11 are parallel pins 12 pivotally mounted in the casing and pivotally mounted upon these pins are semi-cylindrical gripping members 13 having the confronting faces thereof serrated or provided with ratchet teeth 14 adapted to engage the pin 1 which passes between said members. The lower ends of the members are pivotally mounted upon the pins 12, while the upper ends thereof are pivotally connected, as at 15 to links 16 having the opposite ends thereof pivotally connected, as at 17, to diametrically opposed apertured lugs 18 carried by the inner end of the sleeve 9. The sleeve 9 adjacent to the head 10 and within the rounded end 6 of the casing 4 is provided with a transverse pin or diametrically opposed lugs 19 and encircling said sleeve between the pins or lugs 19 and the partition 11 is a coiled retractile spring 20 adapted to normally retain the gripping members 13 in engagement with the pin 1. In the upper end of the sleeve 9 adjacent to the lugs 19 is mounted a resilient cushion 9^a preferably made of rubber, the cushion preventing the point of a pin from being injured.

To remove the pin 1 from the casing 4 or the casing 4 from the pin 1, the pin 1 is held in one hand, while the head or handle 10 is pushed inwardly with the other hand. By pushing the sleeve 9 inwardly, the coiled spring 20 is placed under tension and through the medium of the link 16, the gripping members 13 are swung out of engagement with the pin 1. By then gripping the casing 4 and holding the sleeve 9 in its innermost position, the casing 4 can be removed from the pin and the pin withdrawn from a hat. It is obvious that as long as the casing 4 is mounted upon the pin, that said casing, in conjunction with the head 3, prevents the pin from becoming accidentally disengaged from the hat.

The protector and fastener in its entirety is made of light and durable metal, can be

suitably ornamented, and while in the drawings there is illustrated a preferred embodiment of the invention, it is to be understood that the structural elements thereof can be
5 varied or changed without departing from the scope of the appended claims.

What I claim, is:

1. The combination with a hat pin, of a casing adapted to be mounted upon the
10 pointed end thereof, a partition mounted in said casing, a spring-held sleeve slidably mounted in said casing and said partition and adapted to receive the pointed end of
15 said pin, pivoted oppositely disposed gripping members within said casing for engaging said pin, and links connecting said members with the inner end of said sleeve, substantially as described.

2. A hat pin protector and fastener comprising a casing adapted to be mounted upon
20 the pointed end of the pin, a partition ar-

ranged in said casing and formed with a centrally disposed opening, a spring controlled sleeve extending through one end of the casing and through said opening and
25 adapted to receive the pointed end of the hat pin, a pair of oppositely disposed gripping members arranged within said casing, means carried by the casing and extending through
30 one end of each of said members whereby the members are pivotally connected in position, and means for connecting the other ends of said members to the inner end of
35 said sleeve whereby said members will be actuated on the movement of the sleeve.

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

JAMES W. BARNARD.

Witnesses:

R. R. BEVERIDGE,
ELIJAH M. BEEMAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."