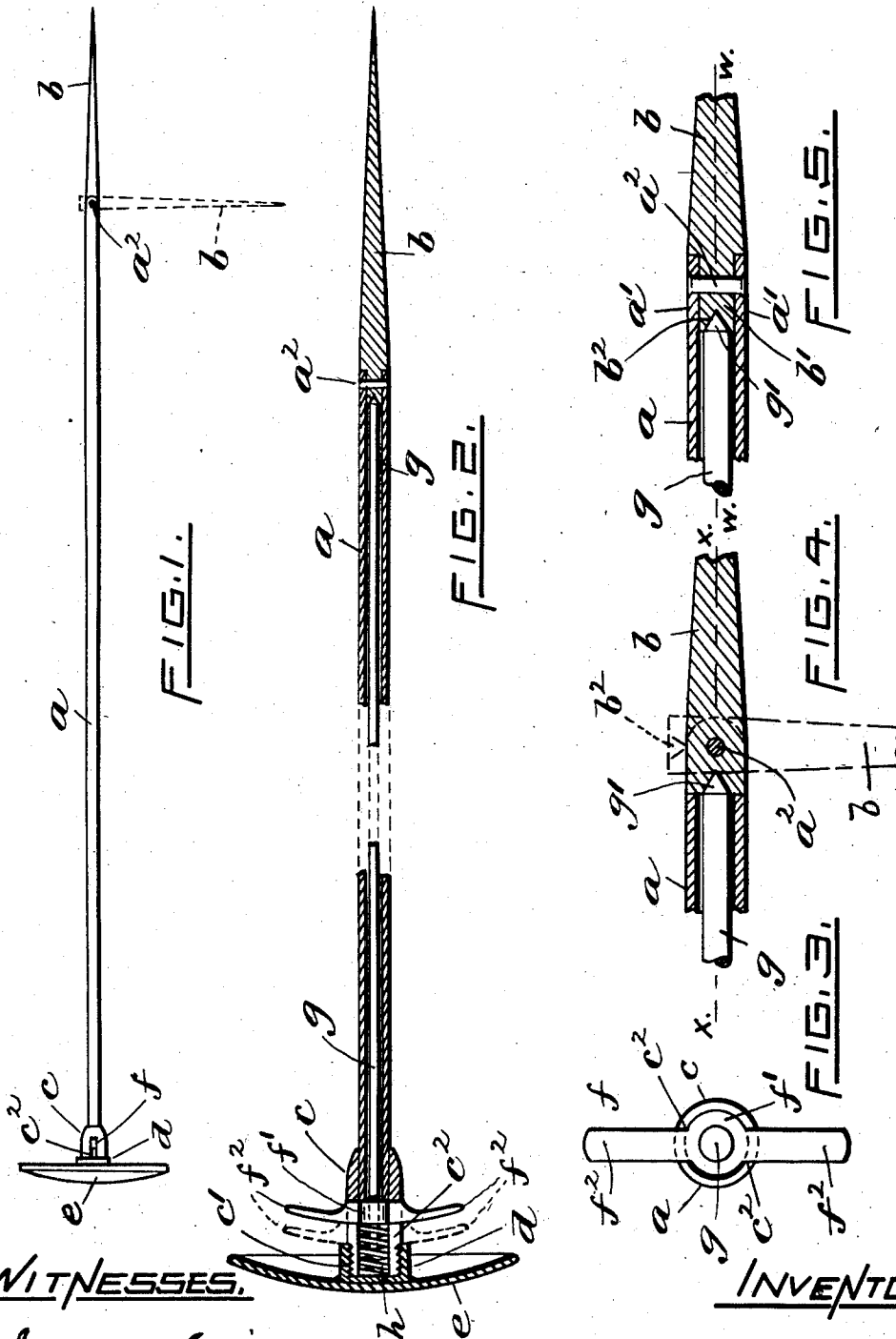


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LADY'S HAT PIN.
APPLICATION FILED APR. 13, 1911.

1,016,697.

Patented Feb. 6, 1912.



WITNESSES.

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LADY'S HAT-PIN.

1,016,697.

Specification of Letters Patent.

Patented Feb. 6, 1912.

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To all whom it may concern:

Be it known that I, WILLIAM I. MACOMBER, a citizen of the United States, residing at the city of Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Ladies' Hat-Pins, of which the following is a specification.

The objects of my invention are to provide a lady's hat pin with means to prevent the point of the pin, when worn upon the hat, from accidentally piercing and causing serious injury to others, and to have the pin-point serve as a guard against loss of the pin when in use by the wearer.

My invention consists of a long straight tube to serve as the body portion of the hat-pin; a solid conical pin-point whose larger end is pivotally connected to one end of the body portion of the pin; a spring-pressed rod within the body portion to hold the pin-point in a locked position parallel with the said body portion, and means to unlock and hold the pin-point at a right angle position to the said body portion of the pin.

My invention is illustrated in the accompanying sheet of drawings, in which—

Figure 1 is a side elevation of a lady's hat-pin, as constructed in accordance with my invention. Fig. 2 is a central longitudinal section of the hat-pin, showing the parts embodying my improvements. Fig. 3 is an end view of the pin, with its head part removed, and showing the finger-presser for operating the locking means for the point portion of the pin. Fig. 4 is a detail section, showing the point portion as locked to the body portion of the pin, and also indicating by dotted lines, the unlocked position of the pin-point, and, Fig. 5 is a similar view, showing the bifurcated joint connection between the body portion and point portion of the pin.

Like reference characters indicate like parts.

Referring to the drawings, *a*, designates a long straight tubular member, which serves as the body portion of the hat-pin, and one end of this member is slotted longitudinally so as to leave two ears *a*¹, *a*¹, to receive a fixed pin *a*² therethrough.

b, is the point portion of the hat-pin, and this member is round and solid and of the usual tapering form, and said member has its larger end reduced on each side so as to

leave a centrally projecting ear *b*¹ to fit between the ears *a*¹, *a*¹ of the member *a*, and is pivotally mounted on the pin *a*² of the latter, and said ear *b*¹ is provided with a conical aperture *b*² extending centrally with the longitudinal center of said member *b*.

A tubular sleeve *c* surrounds the front end of the body portion *a* and made fast thereon, and said sleeve is provided with an exterior screw-threaded portion, as at *c*¹, to engage the threaded opening of a hub *d*, which is secured in any suitable manner upon the usual head *e* of the hat-pin and said sleeve is slotted centrally and longitudinally through its threaded portion, as at points *c*², *c*², to permit lateral movement of a member *f*. This member *f* has a central collar *f*¹ to fit the bore of the sleeve *c* and said collar is made fast upon a rod *g*, which extends nearly the full length of the tubular member *a* and terminates with a conical point *g*¹ to fit within the aperture *b*² of the pin-point member *b*, and said member *f* has two oppositely-disposed finger-branches *f*², *f*² to enable withdrawal of the rod *g* from engagement with the member *b*.

An expanding coil spring *h* is interposed between the bottom of the hub *d* and collar of the member *f*, to cause the rod *g* to firmly hold the pin-point *b* in a normal locked position, in the manner shown in Figs. 2 and 5.

After the pin, constructed as described, has passed through the hat the presser member *f* is forced to the dotted position shown in Fig. 2, to unlock the pin-point *b*, when the latter is then swung to the dotted position shown in Fig. 1, after which the tension of the spring causes the rod to impinge against the side of the pin-point, in the manner shown in Fig. 4.

It is evident that by my construction and arrangement of parts I produce a hat-pin that contains in itself all that is necessary to accomplish the objects intended, to avoid injury by the projecting pin-point, and to prevent displacement and loss of the pin, when worn on the hat.

What I claim and desire to secure by Letters-Patent, is—

1. In a lady's hat-pin, comprising a tubular member; a tapering pin-point whose larger end is pivotally connected to one end of said tubular member and provided with a conical aperture; an operating rod having a conical end to seat within the aperture of said pin-point; means to hold the rod in en-

gagement with the aperture of said pin-point when the latter is extended in alignment with said tubular member and to permit the release movement of said pin-point
5 in order that the latter may be swung along side of the hat.

2. In a lady's hat-pin, comprising a tubular member having a bifurcated end; a
10 solid tapering pin-point whose large end is pivotally connected to the bifurcated end of said member and provided with a conical aperture; a sleeve made fast upon the other
15 end of said member and said sleeve having a screw-threaded portion and provided with slotted openings; a rod within the tubular member having a conical end to fit within

the aperture of said pin-point; a member secured on the other end of said rod and having finger-branches projecting through the openings of said sleeve; a hub secured
20 to the pin-head and provided with a screw-threaded opening to engage the threaded portion of said sleeve, and an expanding coil spring interposed between the said hub and the said last mentioned member. 25

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

WILLIAM I. MACOMBER.

Witnesses:

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