E. BONDE.

HAT PIN PROTECTOR.

APPLICATION FILED JAN. 27, 1913.

1,067,637. **Patented July 15, 1913.**

Fig. 1.

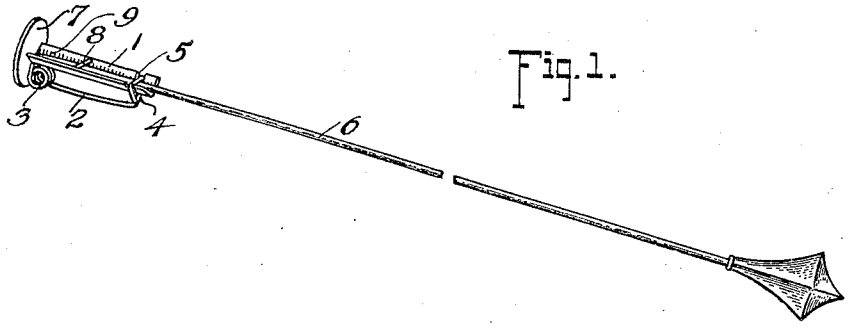


Fig. 2.

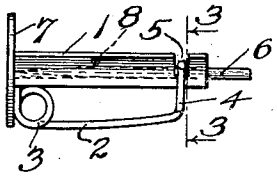


Fig. 3.

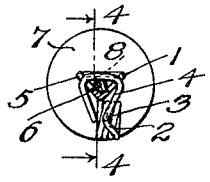


Fig. 4.

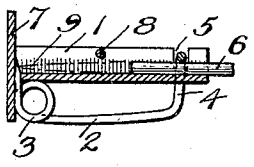
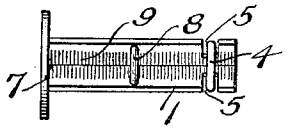


Fig. 5.



Witnesses

C. H. Wagner.

G. W. Kirkley

Inventor

Edward Bonde

By Robb & Robb

Attorneys

COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

EDWARD BONDE, OF LOS ANGELES, CALIFORNIA.

HAT-PIN PROTECTOR.

1,067,637. Specification of Letters Patent. Patented July 15, 1913.

Application filed January 27, 1913. Serial No. 744,545.

To all whom it may concern:

Be it known that I, EDWARD BONDE, a citizen of Denmark, residing at Los Angeles, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in Hat-Pin Protectors, of which the following is a specification.

This invention relates to improvements in pin fastening devices, and particularly to that type of fastener which is adapted to protect the point of the pin from likelihood of causing injury while in use.

The invention comprises in its preferred embodiment a pin receiving portion having connected therewith a spring member for holding the pin upon which it is mounted in frictional contact with said body.

A further object is the provision of means for positively holding the fastener upon the pin when the same is frictionally secured thereon as before mentioned.

For a full understanding of the present invention, reference is to be had to the following description and the accompanying drawings, in which:

Figure 1 is a perspective view of a fastener and protector constructed in accordance with my invention, and shown as applied to a hat pin. Fig. 2 is a side elevation of the device. Fig. 3 is a transverse sectional view on the line 3—3 of Fig. 2. Fig. 4 is a longitudinal sectional view on the line 4—4 of Fig. 3. Fig. 5 is a top plan view of the device alone.

Throughout the following detail description and on the several figures of the drawings, similar parts are referred to by like reference characters.

Referring to the drawings, and specifically describing the invention, the fastener and protector in its preferred embodiment comprises a body portion 1 of suitable length and material, but preferably composed of a strip of metal bent to form a trough-like or V-shaped member. Secured in any desired manner to the body portion 1, beneath and at one end of the same, is a spring member 2, said spring member near its attached end being preferably coiled as designated by the numeral 3, to provide the necessary spring tension. The outer end of the spring member 2 is bent vertically at substantially right angles to the main portion of said pin member to form a loop or eye 4, the end of the spring member aforesaid forming said eye, being bent around the body portion 1, near its end. The sides of the V-shaped member 1 are provided with alined notches 5, in which the eye 4 engages.

It will be obvious from the foregoing description that the device may be applied to a hat pin 6, such as illustrated in Fig. 1, the point of which is inserted in the bottom of the trough-like portion 1, the spring member 2, beneath the same, being pressed by the operator so as to raise the loop or eye 5, in order to permit the passage of the pin point therebeneath. Relieving pressure against the spring member 2 permits the loop, by reason of the spring tension to clamp the pin against the bottom of the V-shaped member 1. While it is not necessary, I prefer to employ in my embodiment a head 7, particularly desirable when the device is used as a hat pin protector, and the function of this head, aside from its ornamental purposes, is to limit the longitudinal movement of the pin 6, the point of which abuts against the head 7 when the device is secured in position thereon. I also provide a transverse bar 8 secured adjacent the upper edges of the V-shaped body portion 1, at a point intermediate the length of the latter. The purpose of this bar is to prevent tendency of the protector to tilt, due to the clamping action of the device at one end as shown in the figures of the drawing. As clearly seen in Figs. 1 and 2, the point of the pin not only engages beneath the loop 4, but also passes beneath the transverse bar 8.

The device as thus described, protects the point of the pin from injurious action after the pin has been passed through the hat, and it is inserted in position on said point. In addition to protecting the point it acts as a fastener to prevent the pin from slipping accidentally, this latter function being particularly desirable where the device is used on scarfpins and the like in the usual manner.

To assist the clamping action hereinbefore described, I preferably form the body portion 1, after the metal is bent, with serrations 9 extending through the interior apex of the V-shaped member, said serrations preventing the point from slipping after it has been frictionally engaged in the device by

the loop 4, because of the gripping action which will obviously be provided by said serrations.

Having thus described the invention, what is claimed as new is:

1. In a device of the class described comprising a pin receiving body portion of substantially V-shaped form, a spring member connected with said body portion at one end and arranged to clamp the pin in the body portion at its other end, and a bar secured to the body portion transversely thereof beneath which the pin is adapted to be passed to prevent tilting of said device with respect to the pin.

2. In a device of the class described comprising a pin receiving body portion of substantially V-shaped form, the sides of said body portion having alined notches therein, a spring member secured to the body portion and having one end bent at angles around the body portion so as to engage in the notches aforesaid, whereby the pin may be frictionally clamped between the bent end and the body portion, a head on one end of said body portion against which the pin abuts, and means intermediate the head and the eye beneath which the pin is adapted to pass so as to hold the device upon said pin.

3. In a device of the class described comprising a pin receiving body portion of substantially V-shaped form, the sides of said body portion having alined notches therein, a spring member secured to the body portion and having one end bent at angles to form an eye surrounding the body portion so as to engage in the notches aforesaid, whereby the pin may be frictionally clamped between the eye and the body portion, a head on one end of said body portion against which the pin abuts, and a bar secured to the body portion transversely of the same and intermediate the eye and head aforesaid, said body portion being provided interiorly thereof which serrations to grip the pin when the device is frictionally clamped thereon.

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

EDWARD BONDE.

Witnesses:
HENRY E. MCCLELLAN,
JAMES BISGAARD.

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