

W. J. MORRISON.
HAT PIN GUARD.
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1,012,412.

Patented Dec. 19, 1911.

Fig. 1.

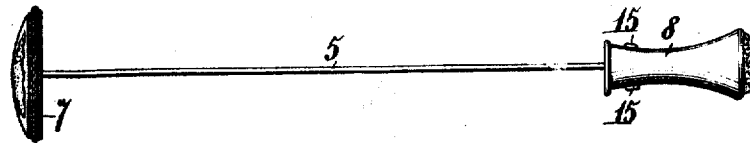


Fig. 2.

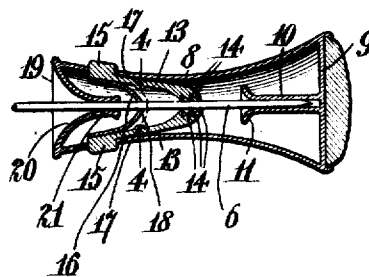


Fig. 3.

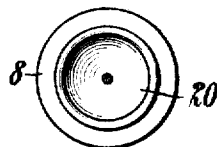
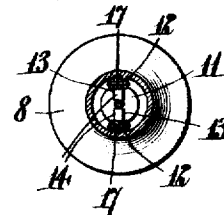


Fig. 4.



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UNITED STATES PATENT OFFICE.

WILLIAM J. MORRISON, OF SIOUX CITY, IOWA, ASSIGNOR OF ONE-HALF TO J. A. TRACY,
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HAT-PIN GUARD.

1,012,412.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM J. MORRISON, a citizen of the United States, residing at Sioux City, in the county of Woodbury and State of Iowa, have invented new and useful Improvements in Hat-Pin Guards, of which the following is a specification.

The invention relates to guards, and more particularly to the class of safety guards for hat pins.

The primary object of the invention is the provision of a guard of this character in which a hat pin may be securely fastened in a hat, so that the hat pin will securely hold said hat upon the head of a wearer without possibility of the accidental falling off of said hat while being worn, or its becoming blown off, and at the same time obviating the loss of the hat pin while in use.

Another object of the invention is the provision of a safety guard of this character in which the pointed end of a hat pin will be concealed while the same is engaged in a hat, the latter being securely retained on the head of a wearer at the same time.

A further object of the invention is the provision of a hat pin safety device which is simple of construction, thoroughly reliable and efficient in its purpose, and inexpensive in manufacture.

With these and other objects in view, the invention consists in the construction, combination and arrangement of parts, as will be hereinafter more fully described, illustrated in the accompanying drawings, and pointed out in the claim hereunto appended.

In the drawings: Figure 1 is a side elevation of a hat pin, showing the safety device applied thereto. Fig. 2 is an enlarged vertical longitudinal sectional view through the hat pin safety device. Fig. 3 is an end elevation. Fig. 4 is a sectional view on the line 4-4 of Fig. 2.

Similar reference characters indicate corresponding parts throughout the several views of the drawings.

Referring to the drawings by numerals, 5 designates the shank or pin portion of an ordinary well-known hat pin having the usual pointed end 6, whereby it may readily and easily penetrate the crown of a hat when mounting the latter upon the head of a wearer, the opposite end of the pin being

provided with a head 7, which may be ornamented or otherwise decorated, as may be desired.

The safety device is adapted to be detachably connected to the pointed end of the pin, and comprises a frusto-conical shaped hollow body 8, one end thereof being considerably larger than its opposite end, and is closed by a head 9, the opposite smaller end being open for the ready and easy insertion of the pointed end 6 of the hat pin 5 within the body. Extending inwardly from the head 9, centrally thereof, is a tubular stem 10 having a flared mouth 11, and in which is received the pointed end 6 of the pin, when the latter has been inserted in the body 8 of the device.

Formed interiorly of the body, spaced from the open end thereof, at diametrically opposed sides, are suitable bearing eyes 12, between which are mounted swinging gripping jaws 13, the same being formed with serrated gripping extremities 14 which are adapted to bite into the pin 5 when passed between the jaws. The opposite ends of the swinging jaws 13 are provided with laterally extending finger knobs or nibs 15, which project outwardly through suitable slots formed in the body 8, whereby the said nibs 15 may be readily gripped by the hand of the operator of the device, and upon inward pressure thereon, the jaws 13 may swing to open position for releasing the pin 5 from the device. Interposed between the jaws 13 is an arched spring 16, the free ends of which are suitably connected to the said jaws 13, and this spring is designed to sustain the jaws in position for locking engagement with the pin 5, the jaws 13 being pivoted, as at 17, in the bearing eyes 12 for swinging movement. This spring 16, at its bight, is formed with an opening 18, through which is passed the pointed end 6 of the pin 5 when the latter is inserted in the body 8 of the device for the securing thereof on the hat pin.

It will be noted that the opening 18 in the spring member 16 is in alignment with the tubular stem 10, so that on the insertion of the pin 5 within the body 8, the said pin will be guided into the said stem 10, thus preventing any displacement of the body when engaged upon the pin. In this manner, the yieldability of the spring 16 is not affected to control the locking movement of

the jaws, or when releasing the same. In the smaller open end of the body 8 is suitably fixed a guard 19 having a flared mouth 20 at its outer end, while its inner end is 5 in the form of a tube 21, the latter alining with the tubular stem 10. Thus it will be seen that the hat pin, when inserted in the body 8, will be directed into said tubular stem 10 for the proper mounting of the 10 safety device on the hat pin.

What is claimed is:

A safety device of the class described, comprising a hollow body having a closed end and an opposite open end, a central 15 tubular stem extending inwardly from the closed end of the body and having a flared

mouth, finger controlled locking means mounted within the body independent of and spaced from the stem for locking a hat pin therein, and a spring within the body 20 acting upon said means to normally hold the same in locked position and having an opening alining with the stem for guiding such pin thereinto when inserted in the body. 25

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

WILLIAM J. MORRISON.

Witnesses:

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L. L. KLINE.