UNITED STATES PATENT OFFICE.

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SPRAL HAT-PIN.

1,263,936.

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To all whom it may concern:

Be it known that CHARLES E. ROMBOUGH, a subject of the King of Great Britain, residing at Windsor, in the Province of Ontario and Dominion of Canada, have invented certain new and useful Improvements in Spiral Hat-Pins; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in spiral hat pins.

The object of this invention is to provide a hat pin which may be permanently attached to a hat and will not become lost and one which eliminates sharp protruding points of the pins now in general use, thus avoiding injury to persons and also more firmly fastening the pin to the hat and hair of the user.

A further object of this invention is to provide a spiral hat pin capable of being rigidly secured to the crown in any desired position in a quick and simple manner.

A still further object of this invention is to provide a hat pin of this character which is equipped with a pair of bearing plates which holds the pin against lateral or vertical movement with relation to the hat and at the same time permits it to be moved into engagement with the hair of the user.

A still further object of this invention is to provide a hat pin of this character, which will be simple, practical and comparatively inexpensive in construction and one that can be manufactured and sold at a low cost.

With these and other objects in view, the invention consists in the novel combination, arrangement of parts, hereinafter more fully described and set forth in the claims hereto appended.

In the drawing—

Figure 1 is a perspective view illustrating a hat upon a woman's head and a portion of the hat being broken away to illustrate the interior thereof showing the manner in which the spiral engages the hair.

Fig. 2 is a side elevation partly in section illustrating the manner in which the spiral hat pin is secured to the hat.

Fig. 3 is a bottom plan view of the hat pin, and Fig. 4 is a top plan view of one of the bearing plates.

Like numerals of reference designate corresponding parts in all the figures of the drawing.

Referring to the drawing, the numeral 5 designates a crown of a hat having the usual brim 6 and to the crown of this hat my improved hat pin is adapted to be applied.

My improved hat pin is formed of a single length of wire or other material suitable for the purpose and is bent to provide a substantially vertical shank 7 which has its lower end coiled to provide the convolutions 8 which convolutions are increased toward the lower end to provide a substantially cone-shaped member. The terminal of the wire of the last convolution is pointed as at 9 to facilitate means whereby the coil may be freely rotated into the hair of the user for retaining the hat upon the head of the user.

The vertical shank at its point of connection with the uppermost convolution or spiral 8 forms a shorter 10, the purpose of which will be hereinafter more fully described. A bearing plate 11 has its medial portion offset outwardly to provide a substantially concavo-convex plate in cross section. This plate is arranged on the vertical shank 7 and has its convex face abutting the shoulder 10 of the upper convolution of the spiral 8. The plate 11 is also fitted to abut the inner side of the crown 5 of the hat.

The second plate 11 is identical in construction to the first named plate and is fitted on the vertical shank 7 and has its flange engaging the upper side or exterior of the crown of the hat and is secured to the hat and other plate by means of a suitable fastening means extending through the openings 12 which are formed in each of the plates.

The upper end of the vertical shank 7 is then coiled to provide the shoulder 13 which engages the convex surface of the upper plate 11 thus retaining the pin attached to the hat for rotation and at the same time prevents axial vertical movement of the shank with relation to the crown and plate and also eliminates lateral movement of the shank with relation thereto.

The coil 13 has its terminal extended upwardly in a vertical plane as at 14 and has secured thereon a suitable manipulating member 15 which may be of any suitable configuration or ornamentation suitable for the purpose.

It will be apparent that a hat pin con-
structed in accordance with this invention and accompanying drawing, which when rotatably mounted through the crown of the hat is held against vertical axial movement and lateral movement by virtue of the shoulders 10 and 13 formed at the upper and lower ends of the shank engage the plates 11 and this will prevent the wobbling of the hat or tilting of the hat on the head of a person. It will also be apparent that it is only necessary to twist the member 15 in a clockwise direction, thus urging the point 9 into the hair until a sufficient number of the coils 8 are located within the hair thus retaining the hat upon the head of the user. It only being necessary when it is desired to remove the hat from the head of the user to turn or twist the head 15 in a counterclockwise direction, thus disengaging the coils 8 from the hair of the user.

It will be further noted that by virtue of this construction that the hat pin is permanently secured to the hat and all fear of the pin being lost is obviated.

Having thus described my invention, what I claim is—

1. A hat pin for ladies' hats comprising a shank having its upper end forming a spiral and its lower end terminating into cone shaped convolutions or spirals, plates secured to the interior and exterior of the crown of the hat rotatably receiving the shank, said spirals at the upper and lower ends of the shank engaging the plates for limiting and preventing vertical axial movement of the shank with relation to the hat, and means for rotating the shank and spiral in the hat and plates.

2. A hat pin for ladies' hats comprising a pair of plates concavo-convex in cross section adapted to be secured to the interior and exterior of a lady's hat, a pin including a vertical shank rotatably mounted between the plates and the crown of the hat, the upper and lower ends of said shank being coiled to provide convolutions and the terminal of the lower end of the wire being pointed to facilitate the embedding of the same in the hair, said spirals at the upper and lower ends of the shank engaging the plates for preventing vertical axial movement of the shank with relation thereto, and a manipulating member carried by the upper end of the shank to facilitate the rotation of the spiral into and out of engagement with the hair.

3. A hat pin for ladies' hats comprising a single length of wire bent to provide a vertical shank, the upper and lower ends of the shank coiled to provide coils or convolutions and the point of the lower coil terminating into a hair engaging point, plates secured to the interior and exterior of the hat and about the shank at their point of juncture with the shank, said spirals at the upper and lower ends of the shank engaging the plates for preventing vertical axial movement of the shank with relation to the plates, and a manipulating member secured to the upper end of the shank facilitating the rotation of the coils or spirals into and out of engagement with the hair.

4. A hat pin for ladies' hats comprising a vertical shank, the upper and lower ends of the shank provided with cone shaped coils, the terminal of the lower coil terminating into a point, the lower coil at the point of its conjunction with the lower end of the shank forming a horizontally disposed shoulder, concavo-convex plates secured to the exterior and interior of the hat rotatably receiving the vertical shank, the upper coil at the point of its conjunction with the upper end of the shank forming a substantially horizontally disposed shank, a manipulating member secured to the upper end of the upper coil and facilitating the rotation of the spirals into engagement with and disengagement from the hair, said shoulders formed by the coils engaging the plates to prevent and limit vertical and lateral movement of the shank with relation to the hat and plates.

5. A hat pin for ladies' hats comprising a vertical shank having its upper and lower ends coiled to form spirals, the portion of the shank which is connected to its respective spiral being extended laterally to provide a horizontal shoulder for preventing axial movement of the spiral in position through the crown of a hat, means surrounding the vertical shank on opposite sides of the crown of the hat for engagement with the horizontal shoulder for limiting the movement of the spiral shank vertically, and the diameter of the shank being substantially as large as the diameter of the opening through the hat and crown plates to prevent lateral movement of the shank thereto.

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

CHARLES EZRA ROMBOUGH.

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."