No. 778,474. PATENTED DEC. 27, 1904.

H. W. C. VON CASTENS.

HAT FASTENER.

APPLICATION FILED MAR. 5, 1904.

FIG. 1.

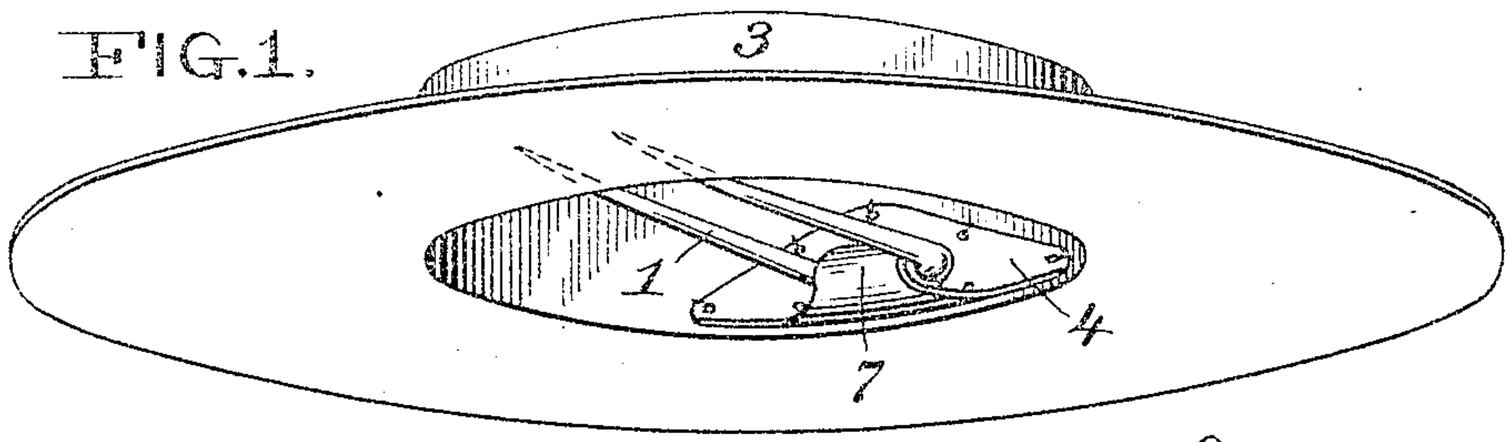

FIG. 2.

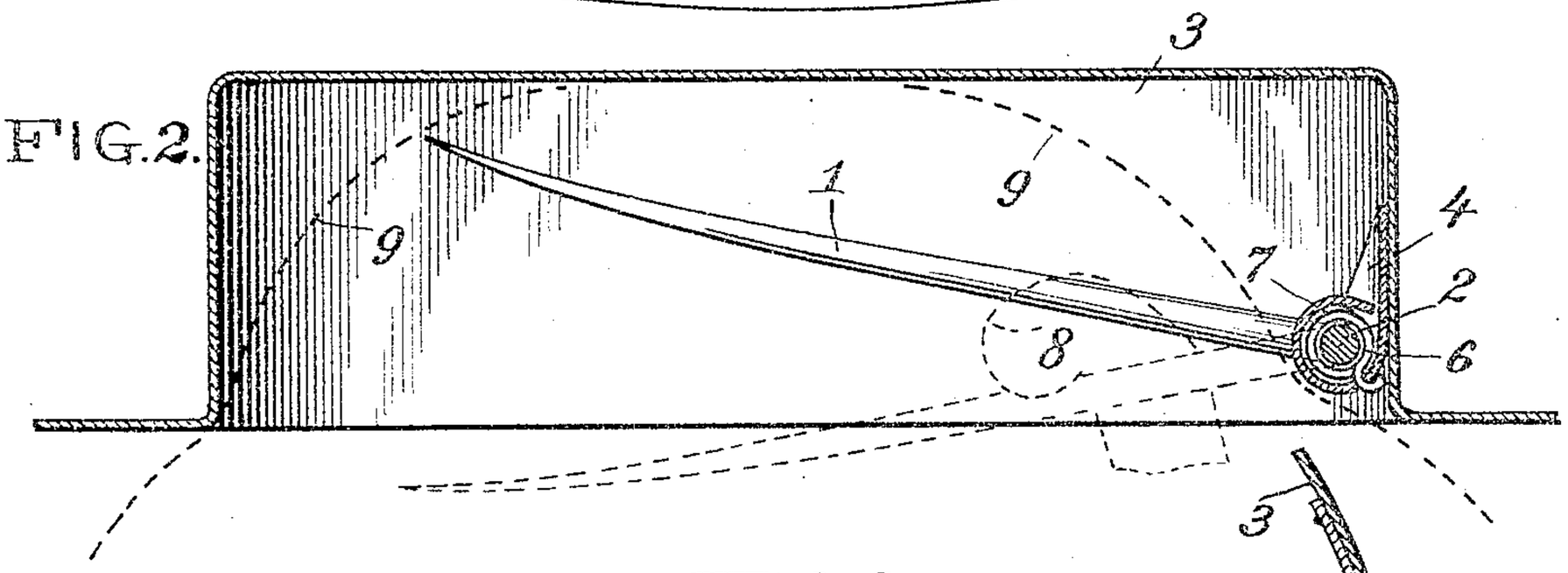

FIG. 3.

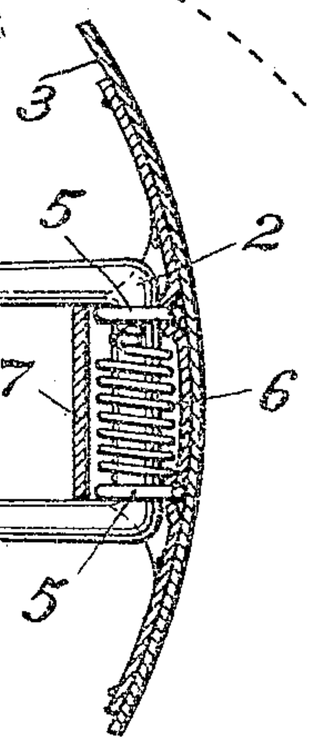

FIG. 4.

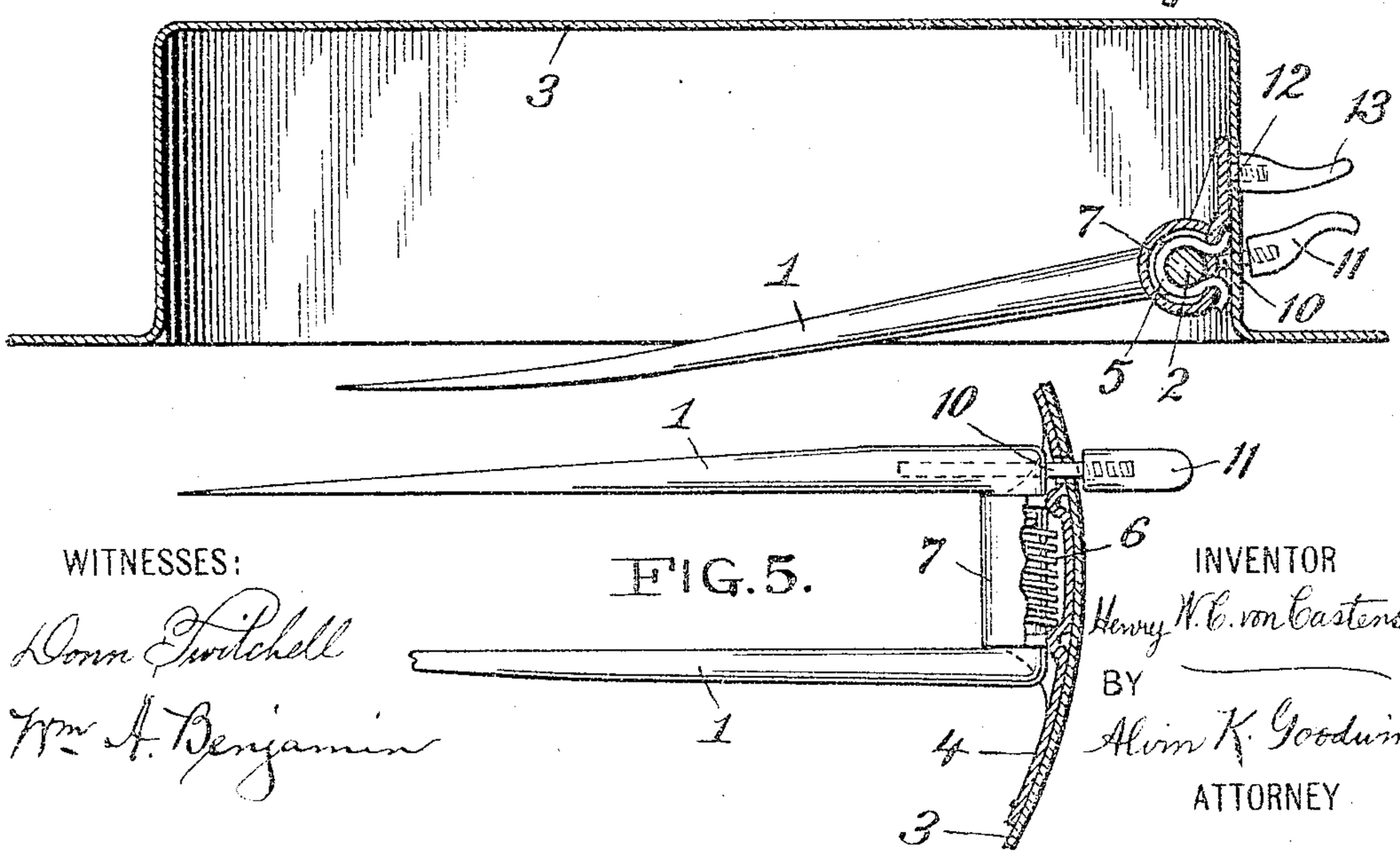

FIG. 5.

WITNESSES:

Donn Trotchell

Wm. A. Benjamin

INVENTOR

Henry W. C. von Castens

BY

Alvin K. Goodwin,

ATTORNEY

No. 778,474. Patented December 27, 1904.

UNITED STATES PATENT OFFICE.

HENRY W. C. VON CASTENS, OF NEW YORK, N. Y.

HAT-FASTENER.

SPECIFICATION forming part of Letters Patent No. 778,474, dated December 27, 1904.

Application filed March 5, 1904. Serial No. 196,754.

To all whom it may concern:

Be it known that I, HENRY W. C. VON CASTENS, a citizen of the United States of America, residing in the borough of Manhattan, city of New York, State of New York, have invented certain new and useful Improvements in Hat-Fasteners, of which the following is a specification.

This invention relates to a pin or comb device for attachment more particularly to ladies' hats and adapted to automatically lock itself into and with the top hair for holding a hat or other head-dress securely upon the head and permitting the hat or head-dress to be put on or taken off without disheveling the hair.

It is the main object of this invention to provide a simple, easily-operated, durable, efficient, and inexpensive fastening device of this character which may be applied at any time to and within any hat and will effectively hold the hat upon the head without requiring frequent puncturing of the hat, as occurs when hats are fastened by ordinary hat-pins.

The invention will first be described and then will be particularly defined in claims hereinafter set forth.

Reference is made to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an under side rear perspective view of an ordinary flat-brimmed hat having a preferred form of my improved fastener applied thereto. Fig. 2 is an enlarged sectional side view of crown portions of the hat with the fastener and indicates by dotted lines how the pivoted pin or comb may be operated by the finger-tip to lower the pin-points to permit the pin to be entered into and withdrawn from the hair as the hat is put on or removed. Fig. 3 is a detail sectional plan view of the pin or comb and its attachments to the hat-crown; and Figs. 4 and 5 show by sectional side and plan views, respectively, how the hat pin or comb and its preferred supporting-plate may be provided with finger-pieces, allowing the pin to be operated conveniently from outside the hat.

First referring more particularly to Figs. 1, 2, and 3 of the drawings, it will appear that the hat pin or comb 1 is pivoted at its head portion 2 to the hat-crown 3. This pivoting of the pin or comb to the hat is best effected by using a metal attaching-plate 4, to which the pin or comb head 2 is held by wire staples 5 5, clenched at the outer face of the plate. Said plate may be attached to the hat crown or body 3 by sewing, riveting, or otherwise. On the pin or comb head 2, between the two hinging-wires 5 5, is loosely placed a spiral spring 6, one end of which is fixed to the pin or comb head, while its other end is fastened to the attaching-plate. This spring acts normally and quite strongly to swing the points of the pivoted pin or comb automatically upward or outward to or toward the top of the hat-crown 3, as shown in full lines in Fig. 2 of the drawings. One edge of the attaching-plate 4, preferably its lower edge, is extended and curved inward at 7 to form a shield or guard, preventing catching of the hair in or by the pin-actuating spring 6. The guard 7 is specially extended between the two opposite prongs or teeth of the pin or comb, and thereby prevents excessive lateral play of the pin or comb and relieves its hinges 5 5 of excessive lateral strains, while having the further advantage of concealing the pin or comb hinges and spring to give a more pleasing finish to the entire fastener device.

The chief features of my invention comprise a pin or comb pivoted to a hat and having an approximately horizontal normal adjustment within or under the hat-crown, said pin or comb being adapted when its points are swung inward to pass into the top hair or coiffure about horizontally while the hat is being adjusted to the head combined with means, preferably a spring, which automatically swings outward the points of the pin or comb to cause it to clamp the top hair, and thereby secure the hat upon the head. The guard preventing entanglement of the hair with the pin or comb actuating spring or device also is a desirable feature, and especially when said guard laterally braces the pin or comb to prevent overstrain of its pivot-joint with the hat. Special

mention also is made of the two opposing finger-pieces—one on the hat and the other on the pin or comb and permitting inward swinging of the pin or comb from outside the hat and without handling the hat-body itself.

To operate this fastener, the finger-tip will be inserted within the hat-crown and will press the hinged pin 1 downward at its points, as indicated by the dotted lines in Fig. 2 of the drawings. This allows the lowered pin to easily pass endwise into the hair as the hat is slipped upon the head, and when the pin is released and about the time the hat is properly adjusted the pin or comb points will be swung upward by the spring 6 to cause the pin or comb to automatically clamp the top hair, which is indicated by the dotted line 9, between itself and the top of the hat-crown, and thereby also draw the hat downward to securely hold it to the head. To remove the hat, it only is necessary to raise its front portion and then slip the hat rearward while the hair slips from the pin or comb. This may be done either with or without lowering the pin by the finger-tip, and the hat may be put on and taken off without disheveling the hair.

In the modification shown in Figs. 4 and 5 of the drawings the hinged pin or comb has a stud 10 projecting outward through a slot in the hat-crown, and to this stud is preferably fixed any suitable ornamental finger-piece 11. The attaching-plate 4 also preferably has a fixed stud 12 projecting outward through the hat-crown and provided with an ornamental finger-piece 13, which thus forms a fixed opposing resistance, allowing it and the pin finger-piece 11 to be pressed between two fingers or the finger and thumb for positively swinging the pin or comb points downward to the full-line position of Fig. 4 of the drawings to allow the pin or comb to enter the hair endwise while putting on the hat or to easily leave the hair as the hat is removed. These two finger-pieces allow the entire hat to be held and handled by them while putting it on or taking it off, and for this reason the two finger-pieces may be preferred by some persons; but as the use of said finger-pieces requires the cutting of small holes or slots in the material of the hat for their studs to pass through the first-described construction of Figs. 1, 2, 3 of the drawings may be preferred by many, as the hat-body is not cut in any way while applying the fastener to the hat. The finger-piece 13 may be dispensed with and the finger-piece 11 alone be used to swing the hinged pin or comb from outside the hat; but in this case the fingers should be applied to the hat-crown to offer necessary resistance for conveniently operating the pin or comb. The use of both finger-pieces 11 13, offering resistance to each other, obviates the necessity of touching the hat when operating the pin or comb from outside the hat-crown by the finger-piece 13, and the two opposed finger-pieces are preferable when the pin or comb thus is to be manipulated.

Any suitable lining may be applied to and within the hat-crown and over the attaching-plate 4 and the hinged head portion of the fastening pin or comb, or the whole fastening device may be applied directly to and within the lining, as will readily be understood.

It is obvious that any other form of spring or other device may be used to swing the pin or comb points normally to or toward the top of the hat-crown for automatically and securely clamping the hair and holding down the hat, as above described; but the spiral spring shown is a durable and efficient device for this purpose, and it also permits easy shielding or guarding of the hair by a turned-over portion of the attaching-plate 4 or by a separate piece or plate applied over the head of the pin or comb and the spring and held to the plate. Various other modifications may be made in this simple and effective hat-fastening device without departing from the scope and spirit of the appended claims.

I claim as my invention—

1. A hat-fastener comprising a pin or comb pivoted to the hat and having an approximately horizontal normal adjustment within or under the hat-crown, said pin or comb being adapted when its points are swung inward to pass into the top hair about horizontally while the hat is being adjusted to the head, and means automatically swinging outward the points of the pin or comb and adapting it to clamp the hair and secure the hat upon the head.

2. A hat-fastener comprising a pin or comb pivoted to the hat and having an approximately horizontal normal adjustment within or under the hat-crown, said pin or comb being adapted when its points are swung inward to pass into the top hair about horizontally while the hat is being adjusted to the head, and a spring automatically swinging outward the points of the pin or comb and adapting it to clamp the hair and secure the hat upon the head.

3. A hat-fastener comprising a pin or comb pivoted to the hat and having an approximately horizontal normal adjustment within or under the hat-crown, said pin or comb being adapted when its points are swung inward to pass into the top hair about horizontally while the hat is being adjusted to the head, a spring automatically swinging outward the points of the pin or comb and adapting it to clamp the hair and secure the hat upon the head, and a guard covering the spring and preventing entanglement of the hair therewith.

4. A hat-fastener comprising a pin or comb pivoted at its head portion to the hat and having an approximately horizontal normal ad-

justment within or under the hat-crown, said pin or comb being adapted when its points are swung inward to pass into the top hair about horizontally while the hat is being adjusted to the head, a spring on the pin or comb head automatically swinging outward the points of the pin or comb, and a guard covering the spring and preventing entanglement of the hair therewith; said guard also extending at side portions of the pin or comb and relieving its hinges of excessive lateral strains.

5. A hat-fastener comprising a plate adapted for attachment to and within a hat and having an approximately horizontal normal adjustment within or under the hat-crown, said pin or comb being adapted when its points are swung inward to pass into the top hair about horizontally while the hat is being adjusted to the head, a pin or comb pivoted at its head portion to said plate, and a spring attached at opposite ends to the pin and plate and automatically swinging the points of the pin or comb outward and adapting it to normally clamp the hair and secure the hat upon the head.

6. A hat-fastener comprising a plate adapted for attachment to and within a hat and having an approximately horizontal normal adjustment within or under the hat-crown, said pin or comb being adapted when its points are swung inward to pass into the top hair about horizontally while the hat is being adjusted to the head, a pin or comb pivoted at its head portion to said plate, and a spring attached at opposite ends to the pin and plate and automatically swinging the points of the pin or comb outward and adapting it to normally clamp the hair and secure the hat upon the head; said attaching-plate carrying a portion extending between the pin or comb teeth and covering the spring to guard the hair therefrom and also obviating excessive lateral strains on the pin or comb hinges.

7. A hat-fastener comprising a pin or comb pivoted to the hat and having an approximately horizontal normal adjustment within or under the hat-crown, said pin or comb being adapted when its points are swung inward to pass into the top hair about horizontally while the hat is being adjusted to the head, and means such as a spring automatically swinging outward the points of the pin or comb and adapting it to normally clamp the hair and secure the hat upon the head; said pin or comb having a finger-piece extended to permit its operation from outside the hat.

8. A hat-fastener comprising a pin or comb pivoted to the hat and having an approximately horizontal normal adjustment within or under the hat-crown, said pin or comb being adapted when its points are swung inward to pass into the top hair about horizontally while the hat is being adjusted to the head, means such as a spring automatically swinging outward the points of the pin or comb and adapting it to normally clamp the hair and secure the hat upon the head, and opposing finger-pieces, one being fixed to the hat and the other to the pin or comb and both extended to permit swinging of the pin or comb from outside the hat.

9. A hat-fastener comprising a pin or comb pivoted to the hat and adapted to engage the hair, a spring normally swinging outward the points of the pin or comb, and a guard covering the spring and preventing entanglement of the hair therewith.

10. A hat-fastener comprising a pin or comb pivoted to the hat and adapted to engage the hair, a spring normally swinging outward the points of the pin or comb, and a guard covering the spring and preventing entanglement of the hair therewith; said guard also extending at side portions of the pin or comb and relieving its pivot-joint of excessive lateral strains.

11. A hat-fastener comprising a pin or comb pivoted to the hat and adapted to engage the hair, and opposing finger-pieces one being fixed to the hat and the other to the pin or comb and both extended to permit inward swinging of the pin or comb by them from outside the hat and without handling the hat-body.

12. A hat-fastener comprising an attaching-plate 4, a pin or comb 1 2 pivoted to said plate and having an approximately horizontal normal adjustment within or under the hat-crown, said pin or comb being adapted when its points are swung inward to pass into the top hair about horizontally while the hat is being adjusted to the head, and a spring 6 on the pin or comb head automatically swinging the pin or comb points outward, said plate carrying a portion 7 covering the spring and preventing excessive lateral strains on the pin or comb hinges.

13. A hat-fastener comprising an attaching-plate 4, a pin or comb 1 2 pivoted to said plate and having an approximately horizontal normal adjustment within or under the hat-crown, said pin or comb being adapted when its points are swung inward to pass into the top hair about horizontally while the hat is being adjusted to the head, and a spring 6 on the pin or comb head automatically swinging the pin or comb points outward, said plate carrying a portion 7 covering the spring and preventing excessive lateral strains on the pin or comb hinges; said pin or comb also having an extended finger-piece 11 permitting swinging of the pin or comb from outside the hat.

14. A hat-fastener comprising an attaching-plate 4, a pin or comb 1 2 pivoted to said plate and having an approximately horizontal normal adjustment within or under the hat-crown, said pin or comb being adapted when its points are swung inward to pass into the top hair

about horizontally while the hat is being adjusted to the head, and a spring 6 on the pin or comb head automatically swinging the pin or comb points outward, said plate carrying a portion 7 covering the spring and preventing excessive lateral strains on the pin or comb hinges; and opposing finger-pieces 11, 13, one fixed to the pin or comb and the other fixed to the plate 4, and permitting swinging of the pin or comb from outside the hat by the opposed finger-pieces.

Signed at the city of New York aforesaid this 4th day of March, 1904.

HENRY W. C. VON CASTENS.

Witnesses:
E. J. CROKER,
KATE A. VON CASTENS.