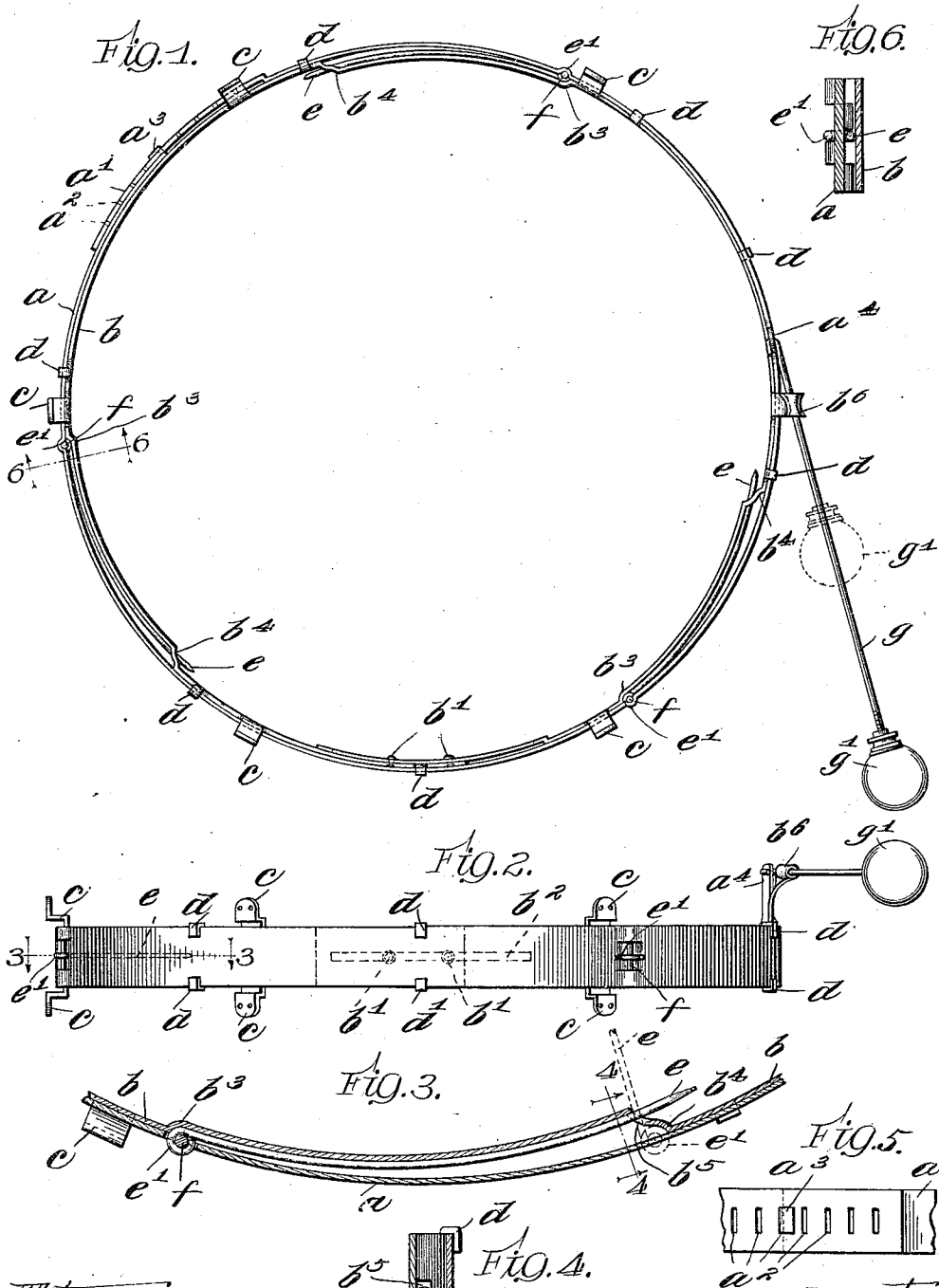


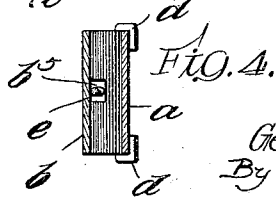
G. V. DOMARUS, JR.
HAT FASTENER.
APPLICATION FILED JUNE 18, 1910.

990,427.

Patented Apr. 25, 1911.



Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE V. DOMARUS, JR., OF CHICAGO, ILLINOIS, ASSIGNOR TO ERNEST L. McHENRY,
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HAT-FASTENER.

990,427.

Specification of Letters Patent.

Patented Apr. 25, 1911.

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To all whom it may concern:

Be it known that I, GEORGE V. DOMARUS, Jr., a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Hat-Fasteners, of which the following is a specification.

My invention relates to hat fasteners especially for women's hats, and the object of the invention is; first, to provide a fastener which shall be substantially invisible both when in use and when not in use; second, to provide a fastener which shall securely hold the hat in position and anchor it at a plurality of points; third, to provide means whereby a plurality of pins will be inserted into or withdrawn from the coiffure by the manipulation of a single operating member; and, fourth, to provide certain details of construction hereinafter set forth.

I obtain my objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a top or plan view of the complete mechanism showing the pins in retracted position. Fig. 2 is a side view of the same. Fig. 3 is a fragmentary plan section taken on the line 3—3, Fig. 2. Fig. 4 is a vertical section taken on the line 4—4, Fig. 3. Fig. 5 is an elevation of a portion of the outer band showing the manner of adjusting its diameter, and Fig. 6 is a vertical section taken on the line 6—6, Fig. 1.

Similar letters refer to similar parts throughout the several views.

In the form of mechanism selected to illustrate my invention, a band is formed of two interfitting rings, *a* and *b*, the outer ring *a* overlapping at its ends, as best shown in Figs. 1 and 5. To provide for adjustment, the outer lap *a'* is provided with a number of apertures *a²* for receiving the hooked extremity *a³* of the inner lap. These interfitting rings are constructed of thin strips of metal or other tough and flexible material, and by inserting the hook *a³* into different apertures the band may be adjusted so as to fit just inside of the crown of the hat. The inside ring automatically adjusts itself to the outside ring, it having overlapping ends, one of which is provided with rivets *b'*, which slide in slots *b²* formed in the adjacent overlapping end. This is best shown in Figs. 1 and 2.

The band is secured to the inside of the crown of the hat by lugs *c*, which extend from the inner ring, and are apertured or otherwise formed at the end in such manner as to facilitate sewing to the hat.

The inner and outer rings are slidable with reference to each other, and are held in alinement with each other by means of small lugs *d*, which are, in the present instance, integral with the inside ring and extend over the edges of the outside ring.

A number of pins *e*, preferably curved somewhat to conform to the curvature of the band, are pivoted to the outside ring by pintles *f*, which are arranged vertically in said outside ring, and are surrounded by eyes *e'* formed in said pins. Offsets *b³* are formed in the inside ring, and these engage said eyes and limit the rotation of the inside ring in one direction, as will be apparent by reference to the left end of Fig. 3. Another offset *b⁴* is formed in the inside ring at a distance from the offset *b³* slightly less than the length of the pin *e*, and in this offset is formed an aperture *b⁵* through which the pin extends. The construction is such that when the outside ring is rotated toward the right, Fig. 3, the inner ring remains stationary, the pin will be moved until its eye *b'* strikes the offset *b⁴*, whereupon the pin will stand radially, as indicated by dotted lines, Fig. 3. This rotation of the outside ring is accomplished in the present instance by means of a rod *g* articulately connected at the inner end to a lug *a⁴* rising from the outer ring, as shown in Figs. 1 and 2. Said rod is provided with a head *g'* to facilitate manipulation and is guided by an eye *b⁶*.

In operation, when the user wishes to adjust and secure the hat upon her head she first places it in desired position, the pins being in retracted condition, as shown in Fig. 1. She then pushes the operating rod *b* until the head thereof reaches the point indicated by dotted lines Fig. 1, thus causing the pins *e* to be advanced and gradually swung inward until they extend practically at right angles to the band. The pins will be held in this position by the edges of the apertures *b⁵*, and the hat will be effectually held in place. Of course, a greater or smaller number of pins may be employed, although three will ordinarily be found sufficient.

It will be noted that when the hat is in use

and the pins in acting position no parts except the operating rod project through the crown. Furthermore the operating rod itself is guided always in the same straight line and, therefore, requires an aperture in the hat only about the diameter of the rod itself. The hat does not need to be cut or slotted to accommodate it. The rod is comparatively stiff and therefore operates positively both for pushing and pulling, thereby avoiding the use of springs. This prevents mutilation of the hat and also eliminates the danger which is always present with the ordinary hat pins which project out through the crown of the hat. As the fastener is located inside of the hat it is practically invisible when in use, and, therefore, does not detract from the appearance of the hat.

Having thus described my invention what

I claim as new and desire to secure by Letters Patent is:—

In a hat fastener, the combination of two interfitting rings, one being stationary and adapted to be secured to the hat, and the other being movable and adapted to slide upon the stationary one, pins connected to one ring and guided by the other, a rod connected to the movable ring, and guiding means on the stationary ring adapted to hold said rod approximately tangential to said rings.

In witness whereof, I have hereunto subscribed my name in the presence of two witnesses.

GEORGE V. DOMARUS, Jr.

Witnesses:

HOWARD M. COX,
MARGARET D. ROBB.

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