(No Model.)

O. CONGELTON & G. R. BOYD.

HAT PIN.

No. 530,927. Patented Dec. 18, 1894.

Fig: 1.

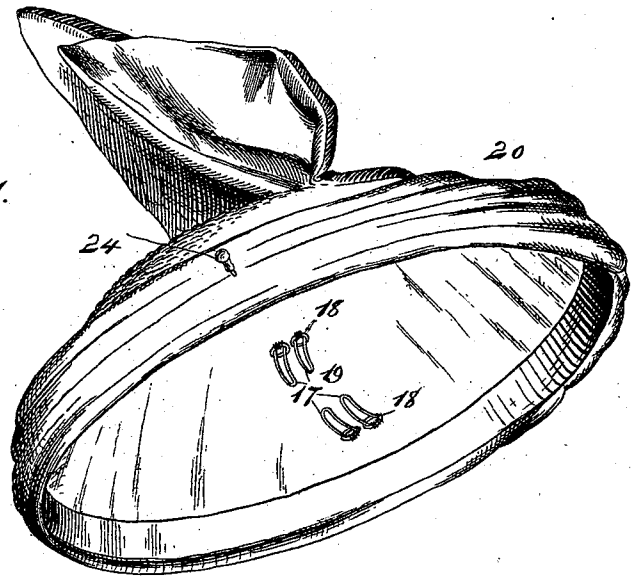


Fig: 2.

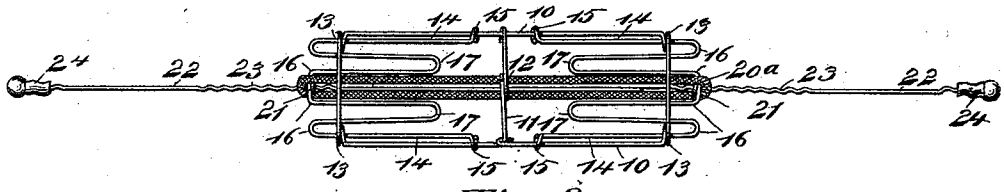


Fig: 3.

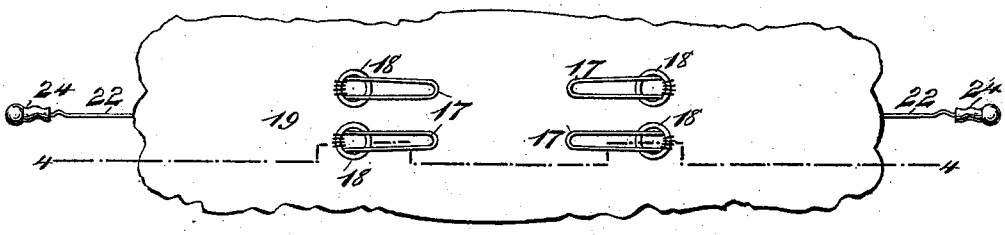
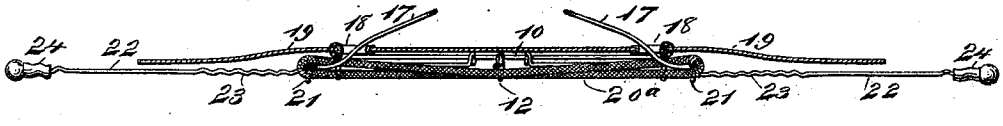


Fig: 4.



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OSBORN CONGELTON AND GERTRUDE R. BOYD, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNORS OF ONE-THIRD TO OLIVER H. BAIR, OF SAME PLACE.

HAT-PIN.

SPECIFICATION forming part of Letters Patent No. 530,927, dated December 18, 1894.

Application filed January 16, 1894. Serial No. 497,050. (No model.)

To all whom it may concern:

Be it known that we, OSBORN CONGELTON and GERTRUDE R. BOYD, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and Improved Hat-Pin, of which the following is a full, clear, and exact description.

Our invention relates to improvements in devices which are used to fasten the hat to the head and more particularly such devices as are used by women to fasten the hat to the hair. The objection to ordinary hat pins is that they are easily detachable from the hair and are frequently lost and, moreover, they are applied with more or less difficulty and are likely to injure both the head and hat.

The object of our invention is to produce a very simple and inexpensive device which is fastened permanently to the hat, which may be instantly operated, and which is provided with prongs which cannot possibly injure the head or hat, but which are sure to engage the hair and hold the hat securely in place.

To these ends our invention consists of certain features of construction and combinations of parts, which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of a hat provided with our improved hat pin. Fig. 2 is a detail plan view of the hat-holding device or pin. Fig. 3 is an inverted plan view of the device as applied to the crown tip of the hat; and Fig. 4 is a longitudinal section on the line 4—4 of Fig. 3.

The hat pin is provided with a rectangular guide frame 10, which is preferably made of wire and has a cross bar 11 with a central eye 12 serving as a guide for the adjusting arm hereinafter described, and for the spring band which will also be described below. The guide frame has also at the corners, eyes 13, in which slide the arms or side pieces 14 of the slide carrying the prongs 17, these arms or side pieces having terminal eyes 15 which slide on the sides of the guide frame 10, and the eyes 15 and 13 serve to steady the side pieces 14 and hold the slides in such a manner as to prevent them from wabbling.

The wire forming the slides is double, as shown at 16, to form the prongs 17, which project inwardly and downwardly, as shown in Fig. 1, and which are arranged in pairs at the ends of the device, the pairs being opposite, as shown in Figs. 1 and 3, so that when the pairs of prongs approach each other they naturally clutch the hair and hold the pin and hat in place. The prongs 17 project through eyelets 18 in the crown tip 19 of the lining of the hat, and the hat pin is fastened to this tip, and the tip is sewed to the hat 20, as shown in Fig. 1.

The pronged slides are connected by a spring band 20^a which may be a spiral spring, but which is preferably an elastic band, as illustrated, and this draws the slides toward each other so as to bring the prongs 17 normally into their innermost position, thus enabling them to securely grasp the hair of a person's head when the hat and pin are in position. The pronged slides have also, at their outer ends and in the middle, eyes 21 which receive the adjusting arms 22 which are of wire, twisted spirally, as shown at 23, near their inner ends, and these spirals, engaging the eyes 21, act as screws by means of which the arms may be turned in and out so as to adjust them to the width of the hat to which the hat pin is secured. The outer ends of the arms 22 are also twisted and provided with detachable knobs 24, which are the only parts of the device visible on the hat, and these knobs are attached to the arms after the latter have been shoved through the sides of the hat.

The hat pin is applied to the crown tip 19, as described, the crown tip is sewed to the hat, the arms 22 thrust through the sides of the hat, and the knobs 24 attached; and the arms 22 may be adjusted so that the knobs will be held snugly to the sides of the hat.

To operate the device one simply pulls outward on the knobs 24, thus drawing the slides and prongs 17 outward against the tension of the spring band 20^a, and the hat is placed on the head in the customary manner, the knobs

24 released and the prongs 17 immediately spring inward and project into the hair so as to hold the hat in place.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. A hat pin, comprising a rectangular guide frame, slides arranged on the opposite ends of the guide frame and having side pieces to run on the sides of the guide frame, the said slides being provided with depending inwardly extending prongs and a spring connecting the oppositely arranged slides and normally drawing them toward each other, substantially as described.

2. A hat pin, comprising a guide frame, having eyes thereon, oppositely arranged slides having side pieces to run in the eyes of the guide frame and provided with eyes to run on the side pieces of the guide frame, the slides having depending inwardly projecting prongs, a spring band connecting the slides, and adjusting arms extending outward from the ends of the slides, substantially as described.

3. The combination with the guide frame and the oppositely arranged spring pressed pronged slides thereon, of the eyes arranged at the outer ends of the pronged slides and the longitudinally adjustable arms adapted to engage with the said eyes, substantially as described.

4. The combination with the guide frame and the oppositely arranged pronged slides thereon, of the spring band connecting the slides, eyes arranged at the outer ends of the pronged slides, the spirally twisted adjustable arms adapted to engage the said eyes, and the detachable knobs on the arms, substantially as described.

5. The combination, with the hat and the eyeleted crown tip adapted to be fastened to the hat, of the guide frame on the tip, the spring-pressed slides on the guide frame, having prongs projecting through the eyelets on the crown tip, and the outwardly-extending arms on the slides, substantially as described.

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