

(No Model.)

T. CALDWELL.
HAIR PIN.

No. 515,745.

Patented Mar. 6, 1894.

Fig. 1.

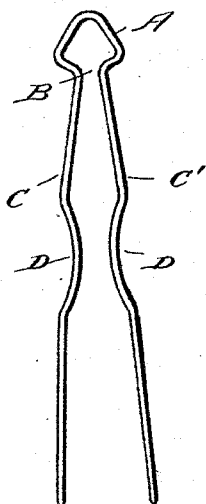
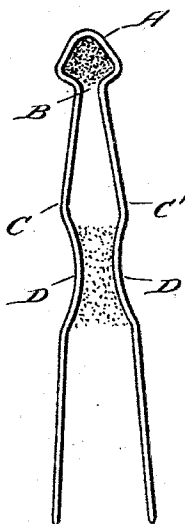


Fig. 2.



WITNESSES:

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HAIR-PIN.

SPECIFICATION forming part of Letters Patent No. 515,745, dated March 6, 1894.

Application filed September 20, 1893. Serial No. 485,945. (No model.)

To all whom it may concern:

Be it known that I, TOWSON CALDWELL, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Hair-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.

My invention relates to certain new and useful improvements in hair pins, and it has for its object to so construct the same that when placed in the hair the expansion of the latter shall serve to lock the pin against longitudinal movement and thus secure it in its effective position. With this end in view my invention consists of a hair pin, comprising an open arrow-shaped head, the walls of which are contracted to produce a narrow throat, and the limbs extended in diverging lines from the open throat and crimped or corrugated near the center, so that a quantity of hair may be embraced by the diverging limbs and gradually compressed and directed through the open throat and into the head, where it is free to expand, as will be hereinafter more fully explained.

In order that those skilled in the art to which my invention appertains may fully understand the same I will proceed to describe in detail the construction and use of my improved pin, referring by letters to the accompanying drawings in which—

Figure 1 is a plan view of a hair pin embodying my invention; and Fig. 2 is a similar view showing the manner in which the hair is centered and guided within the open head of the pin to lock the latter in place.

Similar letters denote like parts in both figures of the drawings.

The pin is composed preferably of the ordinary wire employed for such articles, and is bent at its center to form an open head resembling in form an arrow-head. The wire constituting the walls of the open head is then contracted at the neck to form a comparatively

narrow throat B, and then extended to form the two limbs C, C'. The limbs C, C' diverge slightly from the head downward, and at or near the center are crimped or corrugated, as seen at D, and then continued in straight lines to their ends.

From the construction shown and described, it will be seen that when the pin is introduced into the hair, the limbs C C' will at their extreme ends embrace a considerable portion of the hair and that the latter or a portion thereof will be compressed and centered or guided to and through the throat B and into the open head A where it will naturally expand as illustrated at Fig. 2, and thus serve to hold the pin in position and prevent its falling out. The contracted or corrugated portions D, D, not only serve to compress and guide the hair to the open head A, but as clearly shown at Fig. 2 a portion of the hair embraced by the limbs is lying within the crimps in the pin, and the hair surrounding or outside the limbs will naturally seat itself against the outside surface of the curves or crimps at D, and thus serve to prevent the accidental spreading of said limbs and constituting an auxiliary locking device.

I do not of course wish to limit myself to the single corrugations shown at D, for it will be understood that a series of corrugations or crimps may be employed with equally advantageous results.

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

A hair pin comprising an open arrow shaped head A, the walls of which are contracted to form an open narrow throat B, and limbs C and C' diverging from the lower walls of the open head and crimped at D, substantially as and for the purpose set forth.

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

TOWSON CALDWELL. [L. S.]

Witnesses:

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