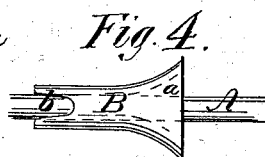
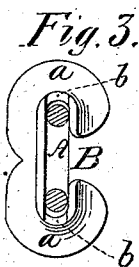
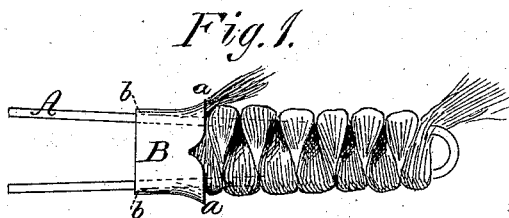


A. M. SMITH.
HAIR-CRIMPING PINS.

No. 189,804.

Patented April 17, 1877.



Witnesses:

John McLean
John B. Morgan

Inventor:

Albert M. Smith

UNITED STATES PATENT OFFICE.

ALBERT M. SMITH, OF BROOKLYN, ASSIGNOR OF ONE-HALF HIS RIGHT TO
JAMES B. COLT, OF NEW YORK, N. Y.

IMPROVEMENT IN HAIR-CRIMPING PINS.

Specification forming part of Letters Patent No. **189,804**, dated April 17, 1877; application filed
January 5, 1877.

To all whom it may concern:

Be it known that I, ALBERT M. SMITH, of the city of Brooklyn, county of Kings, and State of New York, have invented a new and Improved Hair-Crimper, of which the following is an accurate description:

My invention consists in a forked pin or hair-pin, in combination with a slide of a funnel shape, whereby it may be drawn or pushed over the hair—that is, braided on the pin—sufficiently to hold it in place thereon. The slide is also constructed so as to adjust itself to the different variations in the size of the wire of the hair-pin, occasioned by wear or otherwise, and so as to grasp the pin with sufficient force to hold it in place thereon, when pressed up against the hair sufficiently to hold the hair up tightly.

Figure 1 illustrates my hair-crimper as it appears in use. Fig. 2 is a side elevation of the slide, showing the opposite to that shown in Fig. 1. Fig. 3 is an end view, and Fig. 4 is a top or edge view.

A designates the slide, and B the pin. The slide is made of any material having sufficient strength and elasticity, so as to allow it to spring, where it comes in contact with the pin, sufficiently to adjust itself to the different variations in the size of the wire, occasioned by wear or otherwise, so that it can be pushed up over the hair to keep it from becoming unbraided, and so as to grasp the pin with sufficient force to hold it in place thereon.

The hair is held up tightly together, and does not become loosened by pressure on the ends of the pin.

Generally, I make the slide of metal, and of the shape shown in Fig. 2, the end which passes over the hair, as at *a*, Fig. 1, being flared or funnel-shaped, so as to be easily pushed up over the hair to hold it and keep it from becoming unbraided. The other end I make so as to operate as desired, by cutting a slot in the slide, as at *b*, Fig. 4, at a sufficient distance from the end to give the requisite spring to the metal on each side of it, thereby giving to the slide adjustability, and an even grasp on the pin.

The hair is wound or braided over the pin A as desired, and the ends brought over to one side of it, and there held with the thumb and finger. Then the slide B is slipped onto the end of the pin and pushed up to and pressed against the hair, so as to keep the braids up tight together, where they need only remain for one-half hour to crimp in the best manner.

Having now clearly set forth my invention, what I claim, and desire to secure by Letters Patent, is—

1. The slotted and funnel-shaped crimping-pin slide B, substantially as and for the purpose set forth.
2. In combination with the crimping-pin A, the slotted funnel-shaped slide B, substantially as and for the purpose set forth.

ALBERT M. SMITH.

Witnesses:

JOHN McCANN,
JOHN B. MORGAN.