

R. I. HOPPER.
HAIR-CURLER.

Patented Feb. 1, 1876.

No. 172,855.

Fig. 1.



Fig. 2.

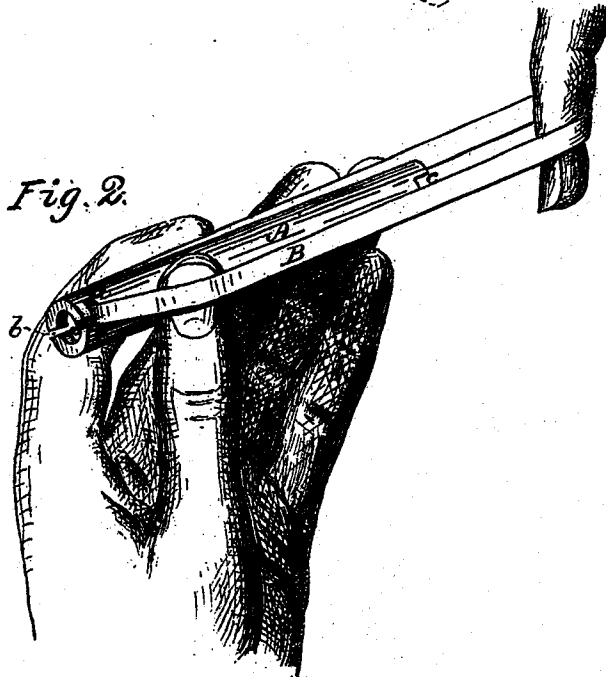
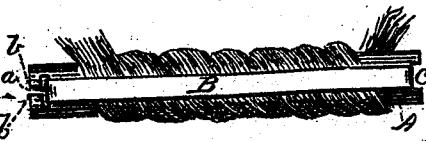


Fig. 3.



Witnesses.

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ROBERT I. HOPPER, OF PATERSON, NEW JERSEY.

IMPROVEMENT IN HAIR-CURLERS.

Specification forming part of Letters Patent No. **172,855**, dated February 1, 1876; application filed November 11, 1875.

To all whom it may concern:

Be it known that I, ROBERT I. HOPPER, of Paterson, in the county of Union and State of New Jersey, have invented an Improved Device for Curling Hair, of which the following is a specification:

My invention relates to devices used by ladies and children for curling their hair; and it consists in a novel construction, combination, and arrangement of parts, which have for their object to produce a neat, simple, substantial, and easily-manipulated device, as will be fully hereafter set forth.

Figure 1 represents two sectional views of my improved device for curling the hair. Fig. 2 shows the manner in which the same is manipulated, and Fig. 3 shows the manner in which the hair is retained on the curler.

The device consists of a tube, A, of any required length, composed of any suitable light material, as gutta-percha, rubber, wood, &c. At one extremity of this tube a slot or rectangular hole, *a*, is cut transverse to the axis of the tube, and the end of the tube is slit or sawed through, so as to make a fissure or opening, *b*, into the slot or hole *a* at about its middle. This slot or hole is for the reception and retention of an elastic band, B, which is inserted therein through the cut or fissure.

I have shown in the annexed drawing an

ordinary circular rubber band, but I do not confine myself to this shape.

The other extremity of the tube has a nick, *c*, cut therein, which is for receiving and retaining the elastic band when the device is in use.

In using my device the hair should be moistened with water, and then uniformly coiled around the tube, commencing at the roots of the hair, and proceeding toward the ends. Having covered the tube or coiled thereon a sufficient length of hair, the elastic band is to be stretched over the tube and inserted in the nick *c*, where it will be securely held.

The band will, after considerable use, become decomposed by the oil used on the hair or exuding therefrom, and eventually break, when it can be readily removed and replaced by a new one.

I claim—

The combination of the hollow tube A, provided with the T-shaped nick or slot *a b* and the nick *c*, with the elastic band B, constructed to operate substantially in the manner described and specified.

ROBERT I. HOPPER.

Witnesses:

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