

No. 673,601.

Patented May 7, 1901.

A. E. FENLEY.  
HAIR CRIMPER.

(Application filed Nov. 25, 1898.)

(No Model.)

FIG. 1.

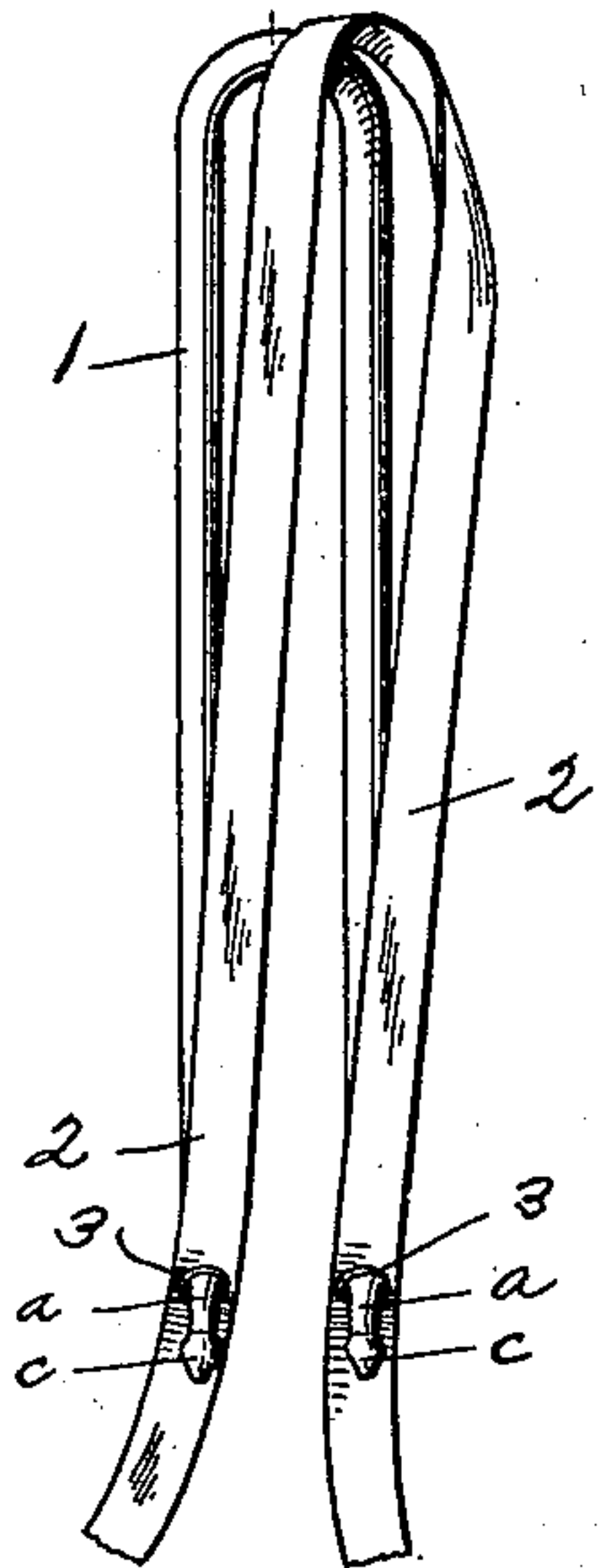


FIG. 2.

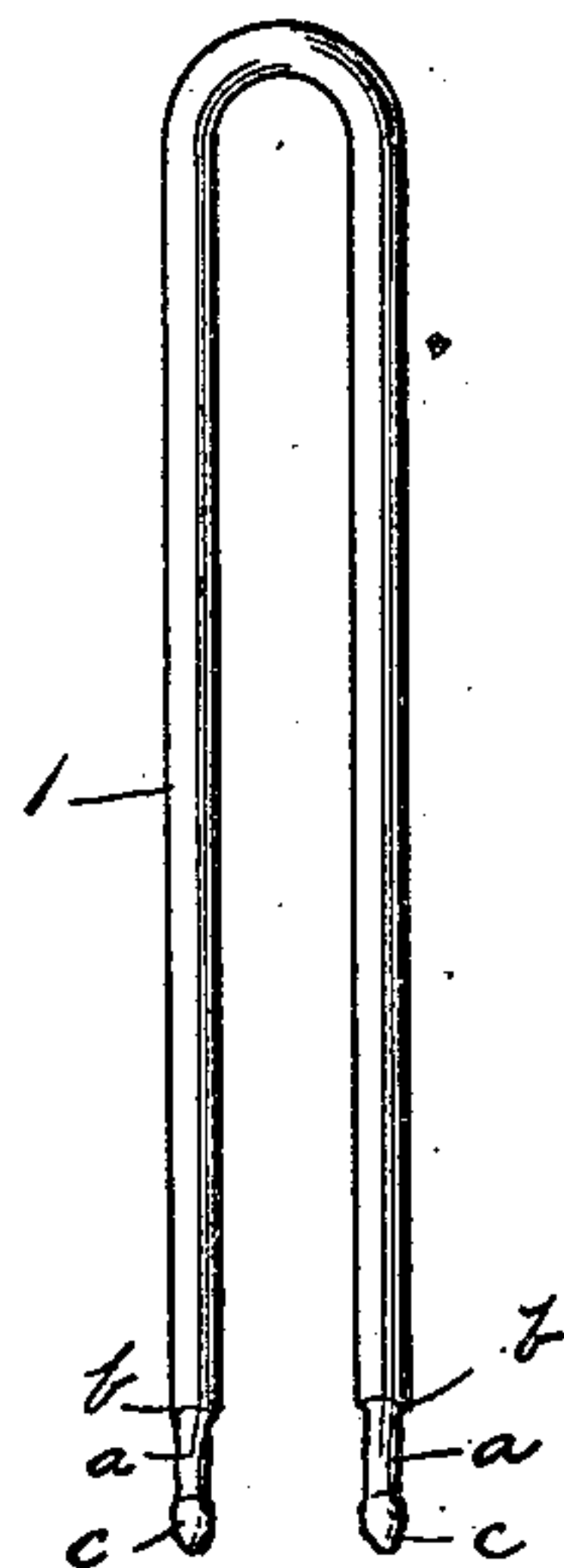


FIG. 3.

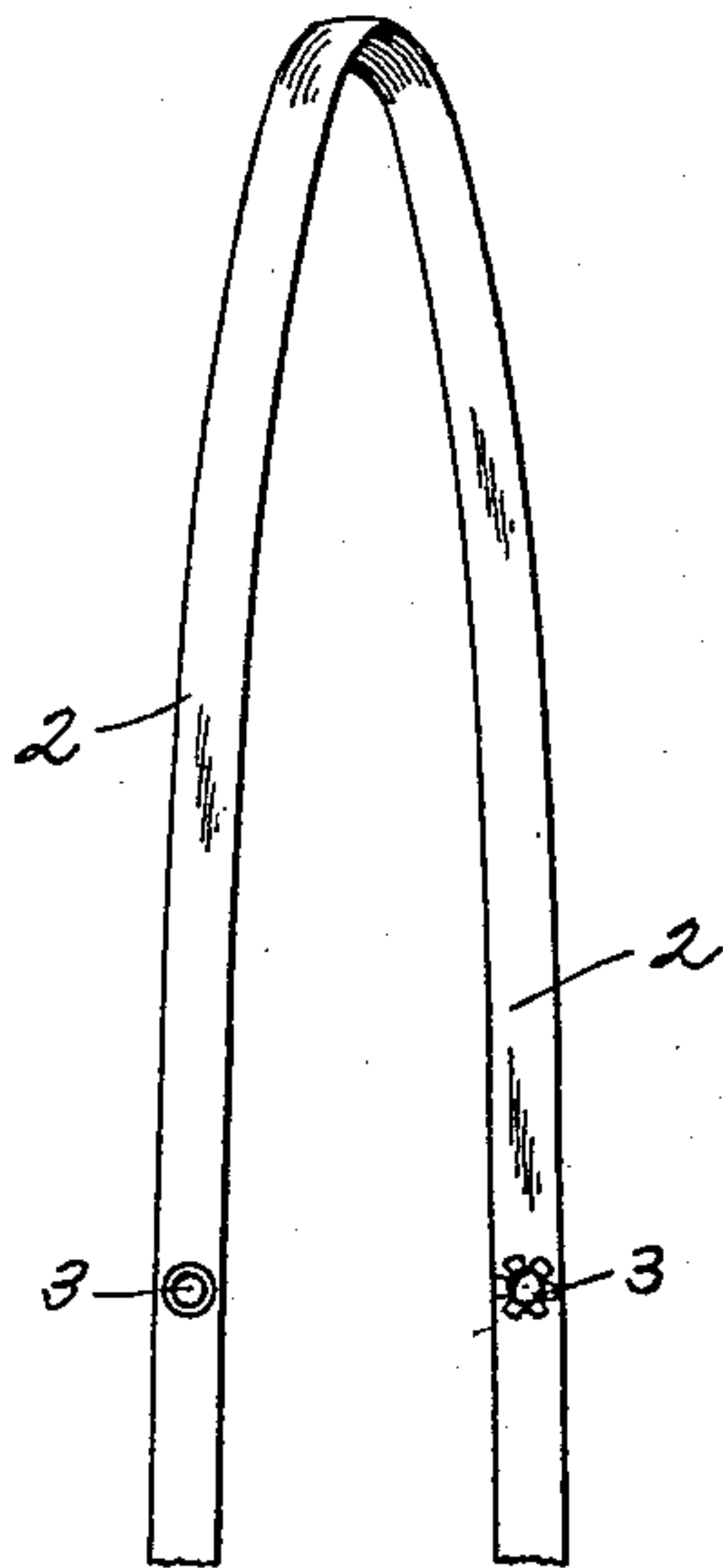
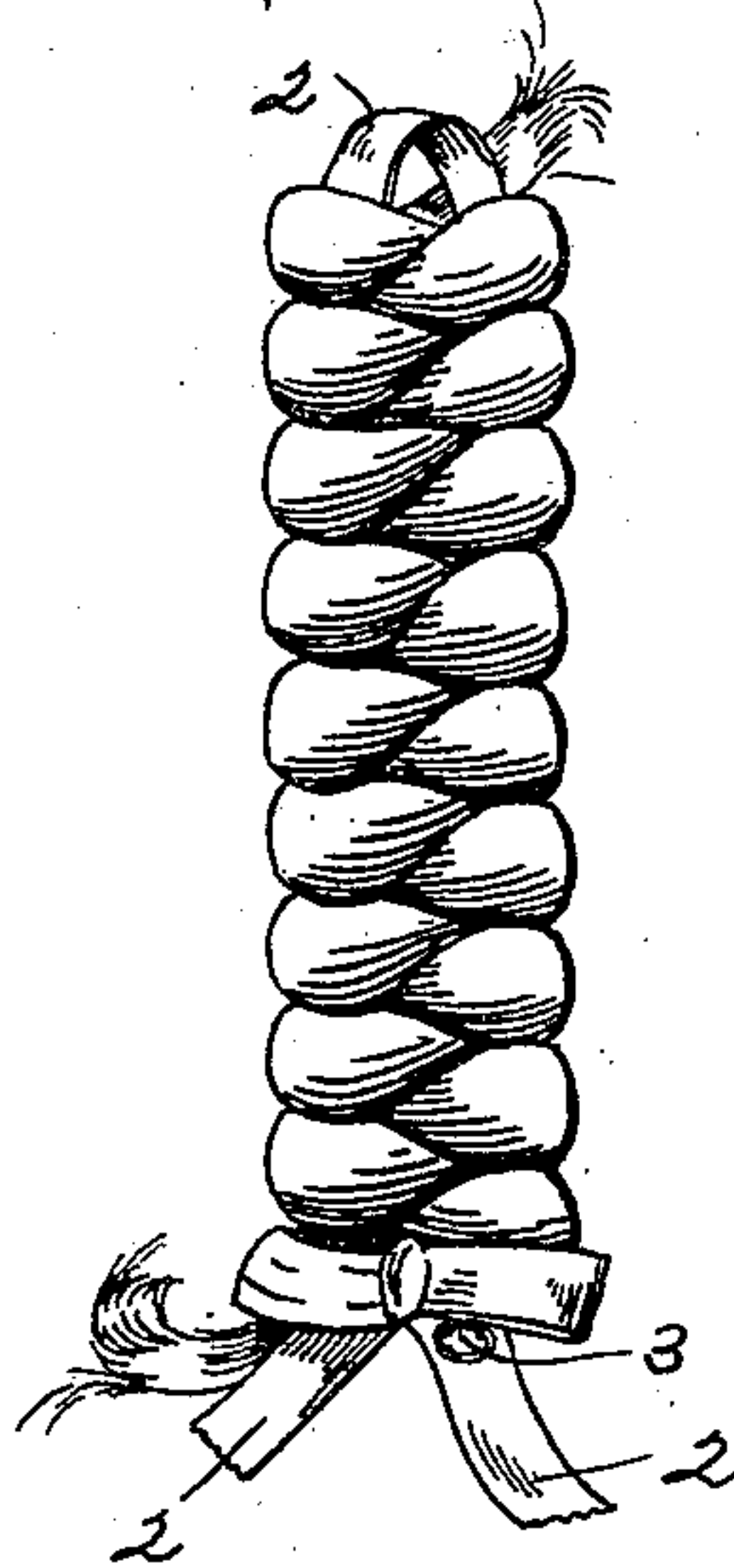


FIG. 4.



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# UNITED STATES PATENT OFFICE.

ANNIE E. FENLEY, OF WORCESTER, MASSACHUSETTS.

## HAIR-CRIMPER.

SPECIFICATION forming part of Letters Patent No. 673,601, dated May 7, 1901.

Application filed November 25, 1898. Serial No. 697,348. (No model.)

*To all whom it may concern.*

Be it known that I, ANNIE E. FENLEY, a citizen of the United States, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Hair-Waving Pins, of which the following is a specification.

My invention relates to a hair-waving device comprising a pin portion of U shape, similar to an ordinary hair-pin, and a flexible band or strip, made, preferably, of ribbon or tape, to be used in connection with said pin and to hold the hair after it has been braided or wound in and out on the pin and allow of the pin being withdrawn.

The object of my invention is to make an improved hair-waving device in which the ends of the flexible holding-band are so connected with the ends of the pin that they will not become accidentally detached in using the device, but may be readily detached to be tied together to hold the hair when desired.

My invention consists in certain novel features of construction of my hair-waving device, and more particularly of the free ends of the pin portion, as will be hereinafter fully described.

Referring to the drawings, Figure 1 shows my hair-waving device ready for use. Fig. 2 shows the pin portion detached. Fig. 3 shows the flexible holding band or ribbon portion detached, and Fig. 4 shows the braided hair held by the band or ribbon after the pin portion has been withdrawn.

In the accompanying drawings, 1 is the pin, preferably made from round wire and of U shape or the shape of an ordinary hair-pin. The free ends of the pin 1 are made as shown in the drawings, with the reduced portion *a*, forming an annular shoulder or projection *b*, and with the rounded or ball-shaped ends *c*.

In connection with the pin 1 a flexible band or ribbon 2 is used, which is a little longer than twice the length of the pin 1. The ribbon 2 preferably has near each end thereof an eyelet 3 therein, which is large enough to easily slip over the extreme ends *c* of the pin 1 and fit on the reduced portion *a*, but is prevented by the annular shoulder *b* or the enlarged portions of the pin 1 from slipping or moving up on said pin.

In using my hair-waving device one eyelet 3 in the ribbon 2 is fitted onto one free end of the pin 1 and the other eyelet 3 is fitted

onto the other free end of the pin 1 to extend in the reduced portion *a*, and the middle portion of the ribbon 2 is held against the middle portion of the pin 1, as shown in Fig. 1. The annular shoulders or projections *b* on the pin 1 prevent the eyelets 3 from slipping up on the pin, and the ball-shaped ends *c* prevent the eyelets 3 from accidentally coming off the ends of the pin 1. The hair to be waved is now braided or wound in and out on the pin 1 and the ribbon 2 in the manner shown in Fig. 4 and then the eyelets 3 drawn off from the ends of the pin 1 and the free ends of the ribbon 2 tied tightly together, compressing the hair on the pin 1 and holding it in its braided condition and allowing the pin 1 to be withdrawn from the hair, leaving the hair on the ribbon, as shown in Fig. 4. After a time the ends of the ribbon 2 are untied and the ribbon is drawn out of the hair, which is then released to extend in a series of waves.

It will be understood that the details of construction of the ends of the pin 1 may be varied, if desired, and also the manner of connecting the ends of the band 2 thereto.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a hair crimping and waving device, the combination of a pin formed of wire of uniform diameter, the two extreme ends of said pin being rounded or ball-shaped and of reduced size, a portion above said ends being also of reduced size providing shoulders *b*, and a binding-ribbon having eyelets through which the reduced ends of the pin are adapted to pass, said eyelets being prevented from moving up the pin by the shoulders *b*.

2. In a hair crimping and waving device, a pin of substantially U shape, each leg thereof being provided with an annular shoulder or projection *b* near the end thereof, the extreme end of each leg being rounded or ball-shaped, and a reduced portion on each leg extending from the rounded or ball-shaped end to the said shoulder or projection *b*, and a ribbon adapted to be pierced by the rounded or ball-shaped ends of the legs and bear against the shoulder or projection.

ANNIE E. FENLEY.

Witnesses:

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