

(No Model.)

L. W. MEECH.  
HAIR CURLER.

No. 577,168.

Patented Feb. 16, 1897.

Fig. 1.

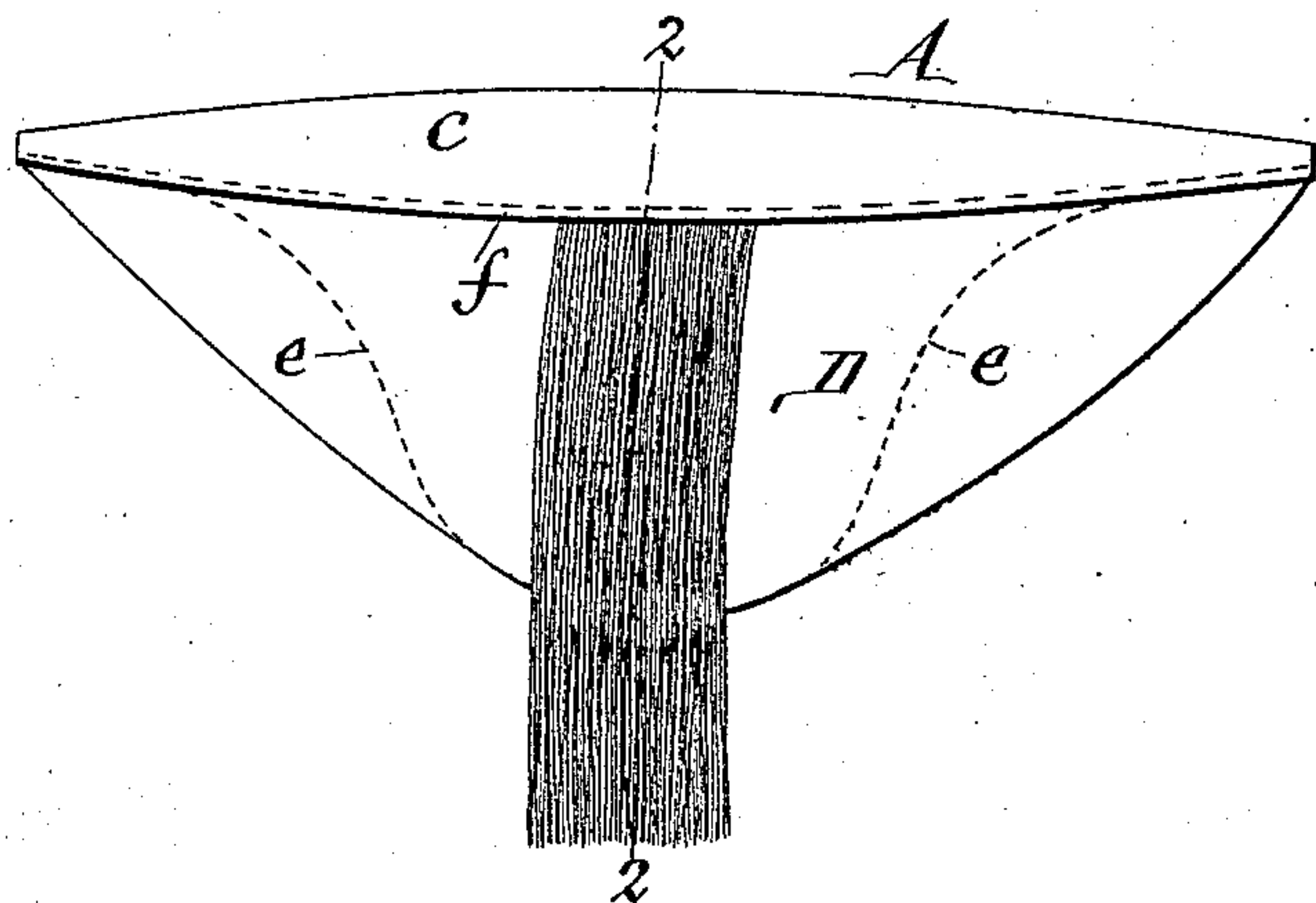


Fig. 2.

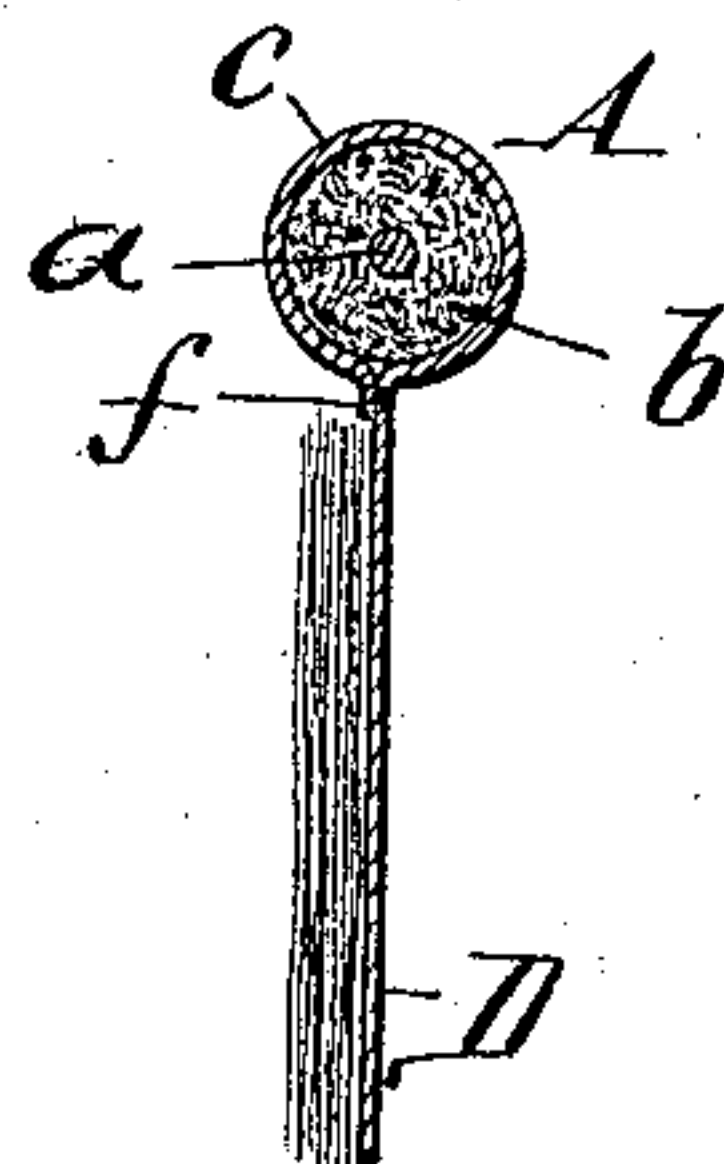


Fig. 3.

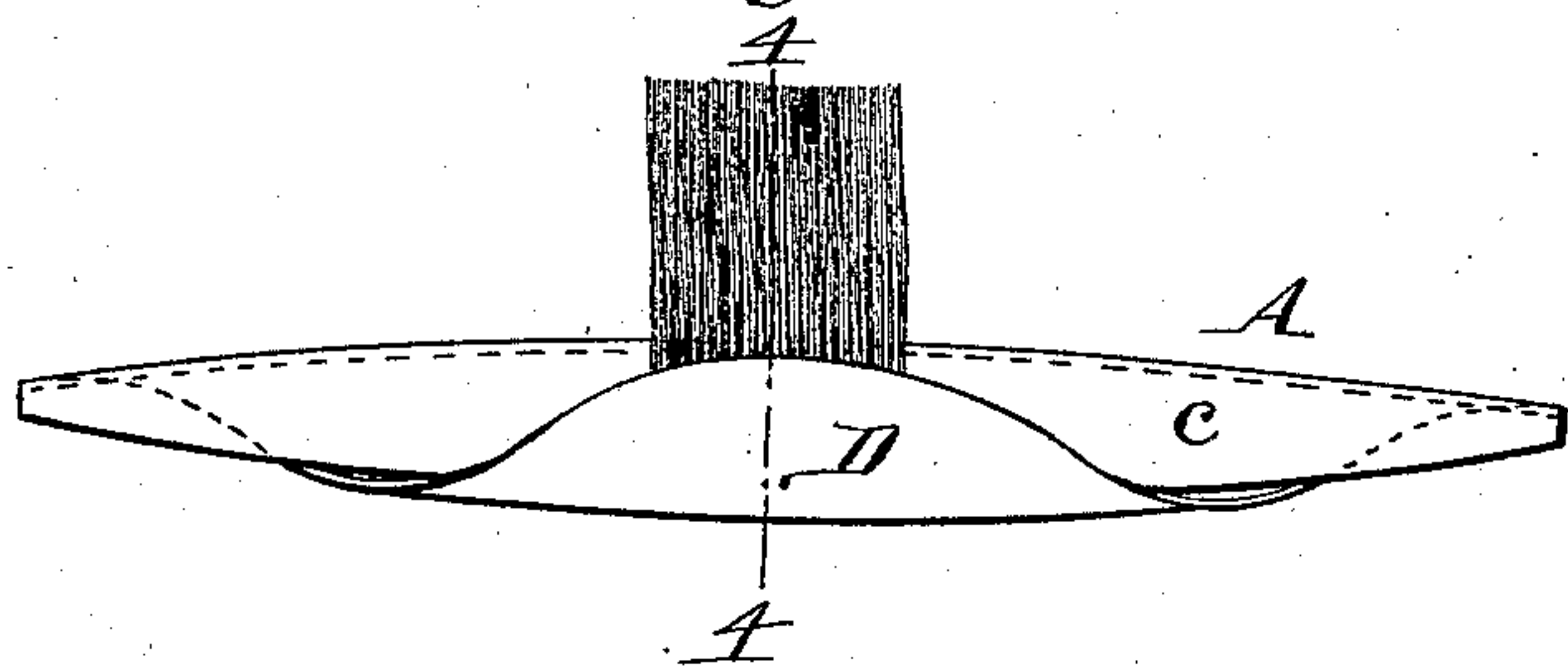


Fig. 4.

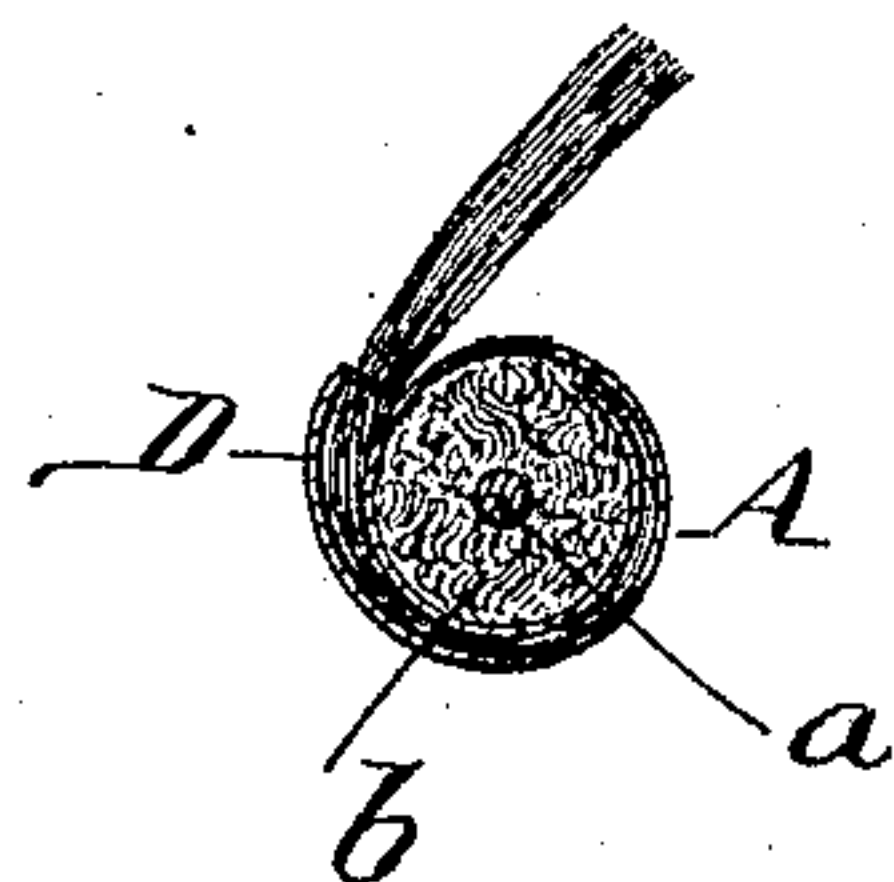
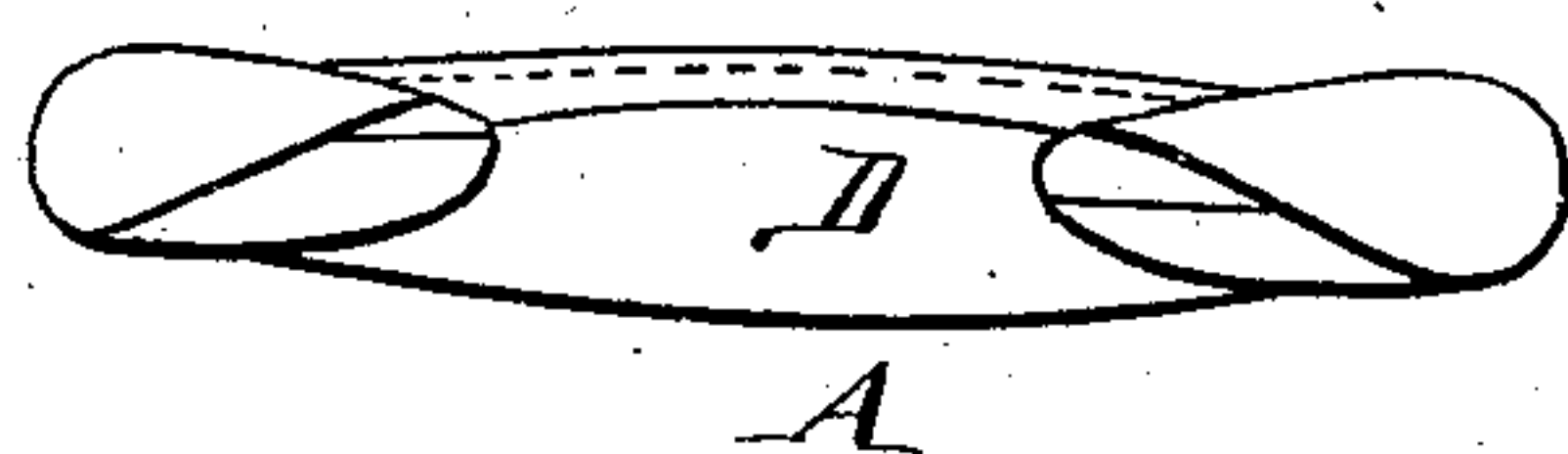


Fig. 5.



Laura W. Meach

Witnesses:

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# UNITED STATES PATENT OFFICE.

LAURA W. MEECH, OF BUFFALO, NEW YORK.

## HAIR-CURLER.

SPECIFICATION forming part of Letters Patent No. 577,168, dated February 16, 1897.

Application filed September 18, 1896. Serial No. 606,193. (No model.)

*To all whom it may concern:*

Be it known that I, LAURA W. MEECH, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented a new and useful Improvement in Hair-Curlers, of which the following is a specification.

This invention relates to that class of hair-curlers which are composed of a flexible wire, rod, or core, a surrounding soft filling, and a cover of kid or other flexible material, forming together a flexible roll with tapering ends. In the use of these curlers the strand of hair is wound around the middle portion of the roll, and the tapering end portions of the latter are then doubled back upon the hair. The extreme end portions of the hair are, however, often not caught and project beyond the curler and escape the action of the latter.

The object of my invention is to provide such a roll with means for confining the extreme end portion of the strand of hair in such a manner that the tapering end portions of the roll are not interfered with, but left substantially free to be doubled back upon the middle portion of the roll.

In the accompanying drawings, Figure 1 is an elevation of my improved curler, showing the flap or apron of the curler extended ready to receive the hair. Fig. 2 is a cross-section in line 2 2, Fig. 1. Fig. 3 is an elevation showing the flap or apron and the hair wound around the curler. Fig. 4 is a cross-section in line 4 4, Fig. 3. Fig. 5 is an elevation showing the end portions of the curler closed down upon the flap.

Like letters of reference refer to like parts in the several figures.

A represents the flexible roll of a hair-curler, tapering from its middle toward both ends and composed preferably of a flexible core *a*, of lead or copper, a surrounding filling *b*, of fibrous material, and a flexible cover *c*, of kid, silk, or other suitable material.

D represents a flexible apron or flap which is attached to the roll and may extend along the latter from end to end, as shown in full lines in Fig. 1, or only along the middle portion of the roll, as shown by the dotted lines *e* in the same figure. This apron has its side

edges retreating from the ends of the roll toward the outer edge of the flap, or, in other words, the side edges of the flap or apron converge toward the outer end of the flap, thus leaving the end portions of the roll practically unobstructed by the flap and enabling the end portions of the roll to be bent closely down upon the middle portion thereof. This apron or flap is preferably formed in one piece with the cover *c* of the curler, the cover being so shaped that when it has been wrapped around the core and filling and one of its edges *f* has been secured to the underlying portion of the cover by a line of stitches, a sufficient portion of the cover will lie outside of this line of stitching to form a flap or apron of sufficient size to be wrapped once around the central portion of the curler, or nearly so.

In using this curler the end portion of the strand of hair is laid upon the flap or apron with the ends of the hair adjacent to the body of the curler, as represented in Figs. 1 and 2. The hair and the flap or apron are then wound around the body of the curler, the converging side edges of the flap winding spirally around the roll and leaving the end portions thereof practically free, as shown in Figs. 3 and 4. The end portions of the curler are then bent down upon the flap, as indicated in Fig. 5. The flap or apron holds the ends of the hair down upon the body of the curler and prevents the ends from projecting and so subjects the extreme end portions of the hair to the curling action and causes the curling effect to extend to the extreme ends of the hair, and the flap also prevents the hair from unrolling.

I claim as my invention—

A hair-curler composed of a flexible roll and a flexible flap or apron attached to the roll and having its side edges retreating from the ends of the roll toward the outer edge of the flap or apron, the end portions of the roll being practically unencumbered by the flap or apron, substantially as set forth.

Witness my hand this 8th day of September, 1896.

LAURA W. MEECH.

Witnesses:

CARL F. GEYER,  
KATHRYN ELMORE.