

(No Model.)

W. I. BRIGHAM.
DEVICE FOR CURLING HAIR.

No. 396,534.

Patented Jan. 22, 1889.

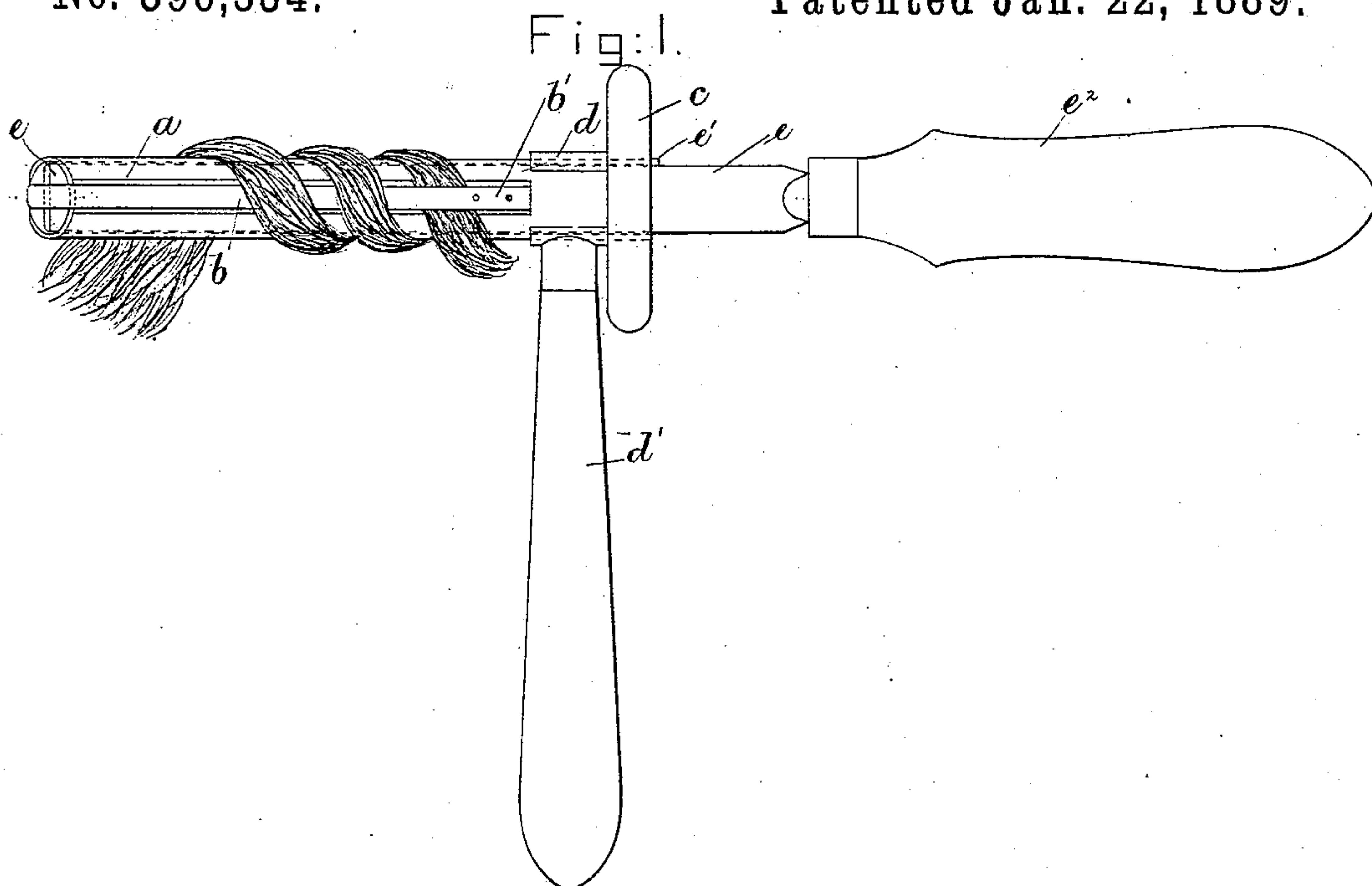


Fig: 2

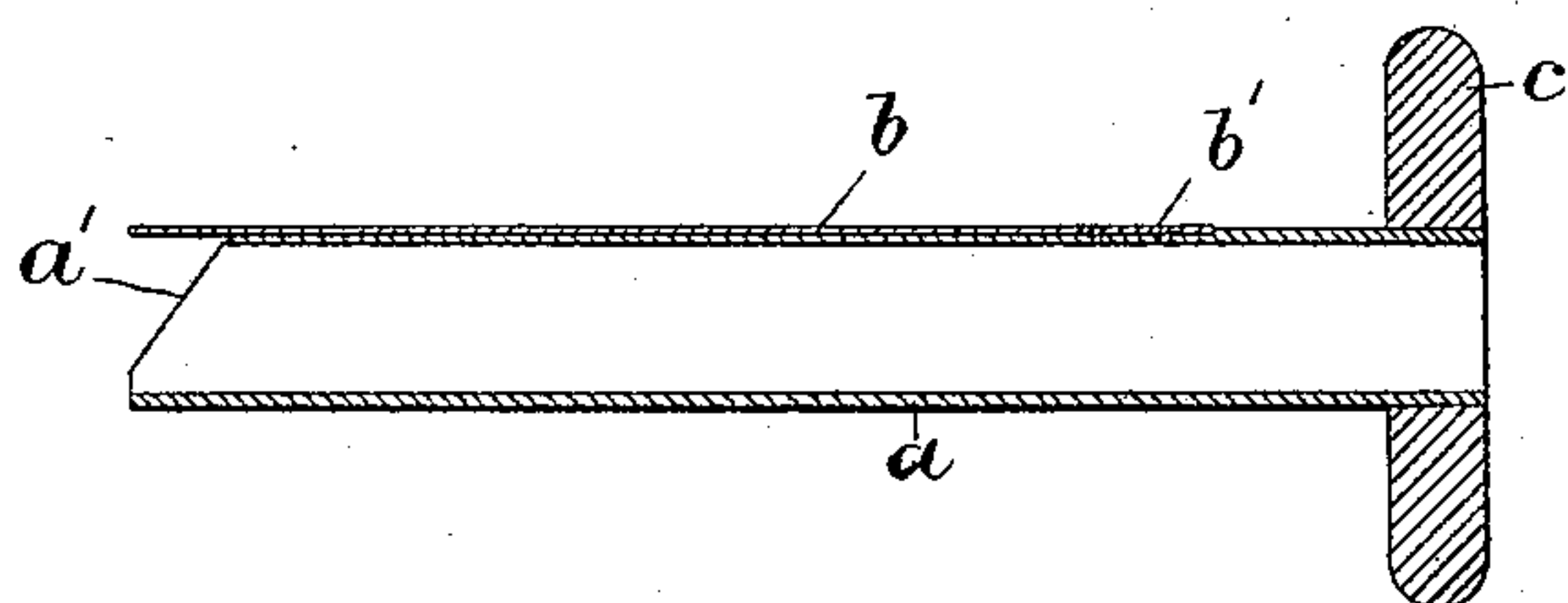


Fig: 3.

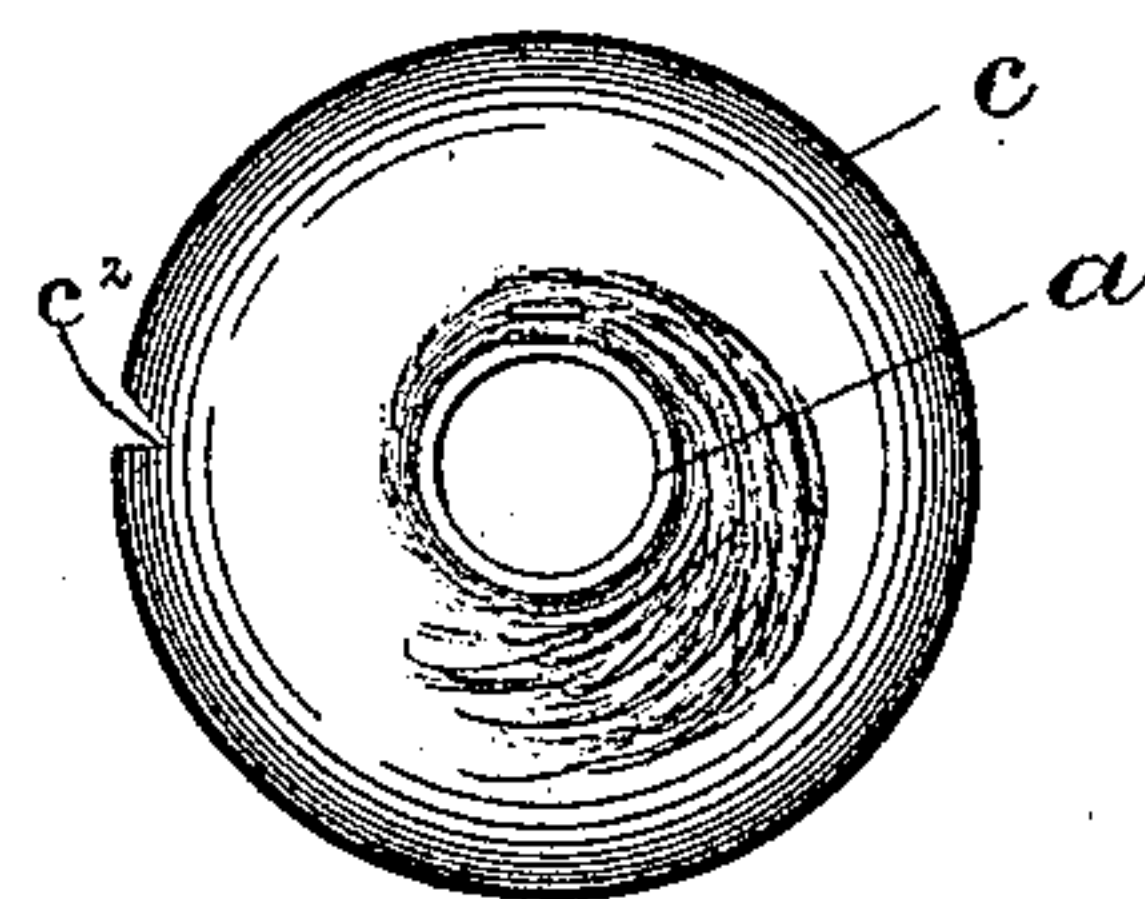
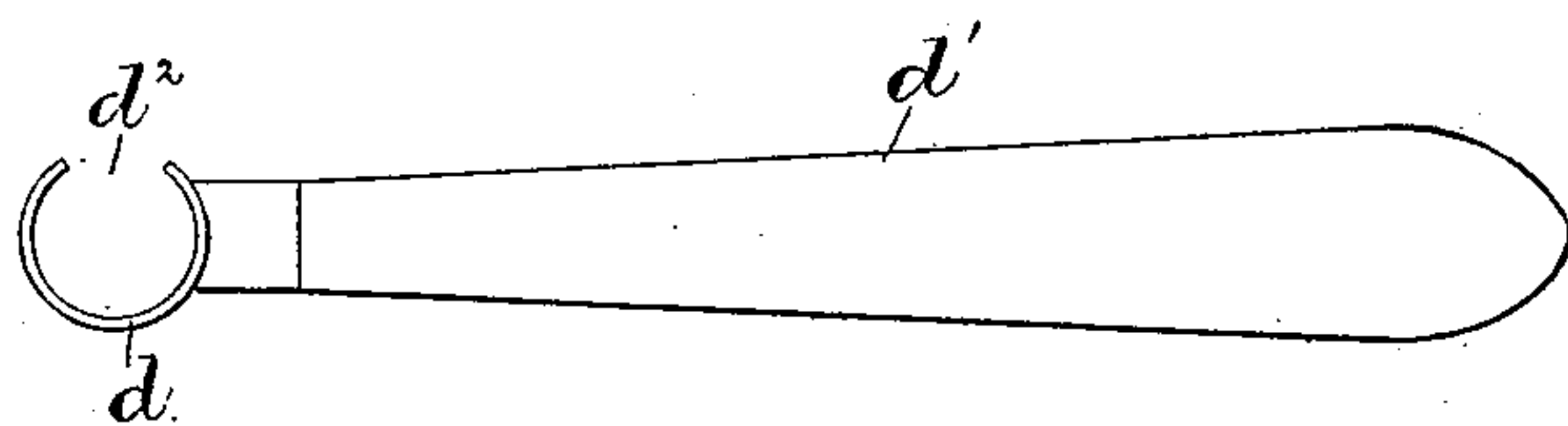


Fig: 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

WALTER I. BRIGHAM, OF SOUTH FRAMINGHAM, MASSACHUSETTS.

DEVICE FOR CURLING HAIR.

SPECIFICATION forming part of Letters Patent No. 396,534, dated January 22, 1889.

Application filed December 20, 1887. Serial No. 258,526. (No model.)

To all whom it may concern:

Be it known that I, WALTER I. BRIGHAM, of South Framingham, county of Middlesex, State of Massachusetts, have invented an Improvement in Devices for Curling Hair, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

10 This invention has for its object to construct an implement or device for curling hair.

The invention consists in the combination, with a rotatable tube or cylinder upon which
15 a lock of hair to be curled is wound, of an iron or mandrel adapted to be heated and thereafter inserted in the said tube or cylinder while the lock of hair is wound taut thereon; also, in the combination, with the
20 tube or cylinder upon which the lock of hair to be curled is wound, of a holding down or retaining device to hold the hair firmly upon the tube while the latter is being heated by an inserted mandrel or iron, to thereby prevent the hair slipping; also, in the combination, with the rotatable tube or cylinder upon which the lock of hair to be curled is wound,
25 of a detaching or removing device to detach or remove the curl from the said tube or cylinder.
30

Figure 1 shows in side elevation a hair-curling device embodying this invention; Fig. 2, a longitudinal section of the tube or cylinder upon which the lock of hair is to be wound; Fig. 3, a left-hand end view of the tube or cylinder shown in Fig. 2; and Fig. 4, a left-hand side elevation of the detaching device, shown in Fig. 1, for removing or detaching the curl from the tube.

40 The tube or cylinder *a*, upon which the lock of hair is to be wound, is provided upon one side with a holding-down or retaining device, herein shown as a flat-spring, *b*, attached to the tube near one end, as at *b'*. The opposite end of the tube *a* is beveled, as at *a'*, and the outer or free end of the spring *b* overlies the said beveled portion, as shown in Fig. 2, so that the lock of hair to be curled may be easily placed beneath the said spring
50 *b*. The end of the tube *a*, near the point of attachment of the spring *b*, has fixed to it a

button or disk, *c*, of leather or other suitable material, provided with a roughened edge, by which the said tube may be rotated.

A detaching or removing device is provided, 55 consisting of a ring, *d*, of suitable diameter to fit the exterior of the tube, said ring being fixed to a suitable handle, *d'*. The ring *d* is slipped upon the tube and bears against the disk *c*, and said ring is cut away for a short 60 distance, as at *d²*, or otherwise constructed, to provide a suitable passage for the spring *b* when the ring is slipped on or withdrawn from the tube.

In using the device the end of the lock of 65 hair to be curled is placed beneath the spring *b*, as shown in Fig. 1, the implement being held at such time by the hand-piece *d'*. The tube is then rotated by the disk *c*, winding the lock of hair around the tube and over the 70 spring. A heated iron or rod, *e*, (shown only in Fig. 1,) is then inserted into the tube *a* and held until the hair has been properly heated, and the iron is then removed and the lock of hair thereafter removed from the tube by 75 withdrawing the ring *d* from the tube by the hand-piece *d'*.

The rod or iron *e* is provided with a stop, *e'*, to gage the distance it should be inserted into the tube *a* to prevent the outer end of the 80 said heated rod from protruding from the opposite end of the tube *a* and burning the operator, and said rod *e* is rigidly attached to a hand-piece, *e²*, by which it is manipulated. The disk *c* is provided at some part of its 85 periphery with a notch, *c²*, to indicate to the operator the position of the spring *b* with relation to the cut-away portion of the ring *d*, so that the ring may be withdrawn from the tube and not bind or in any way injure the 90 lock of hair.

It will be seen that the removing or detaching device *d* serves as a guide or bearing in which the tube *a* is rotated.

I do not desire to limit myself to the precise construction of locking or retaining device for the lock of hair, nor to the precise construction of removing device, as the same may obviously be changed without departing from the spirit and scope of this invention. 100

I claim—

1. In a device for curling hair, the rod or

iron *e*, and the handle *d'*, having an attached bearing, combined with the rotatable cylindrical tube *a*, having the disk *c*, the tube rotating in the said bearing, substantially as described.

2. The rod or iron *e*, combined with the tube *a*, beveled at *a'*, and its contiguous spring locking or retaining device rigidly attached to the tube at its inner end and extended longitudinally thereon, the free end of said locking device overlying said beveled portion, substantially as and for the purpose described.

3. The cylindrical rod *e*, having the limiting-stop *e'*, combined with the rotatable tube or cylinder *a*, a detachable bearing, *d*, therefor, and the disk *c*, against which said stop abuts, substantially as described.

4. The rod *e*, combined with the tube or

cylinder *a*, having a beveled end, and the locking device, as the spring *b*, substantially as described.

5. The rod *e* and tube *a*, combined with the removing device encircling the tube, substantially as described.

6. The rod *e* and tube *a* and its locking device, as the spring *b*, combined with the removing device, as the ring *d*, cut away at *d'*, and its handle *d'*, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WALTER I. BRIGHAM.

Witnesses:

BERNICE J. NOYES,
J. C. SEARS.