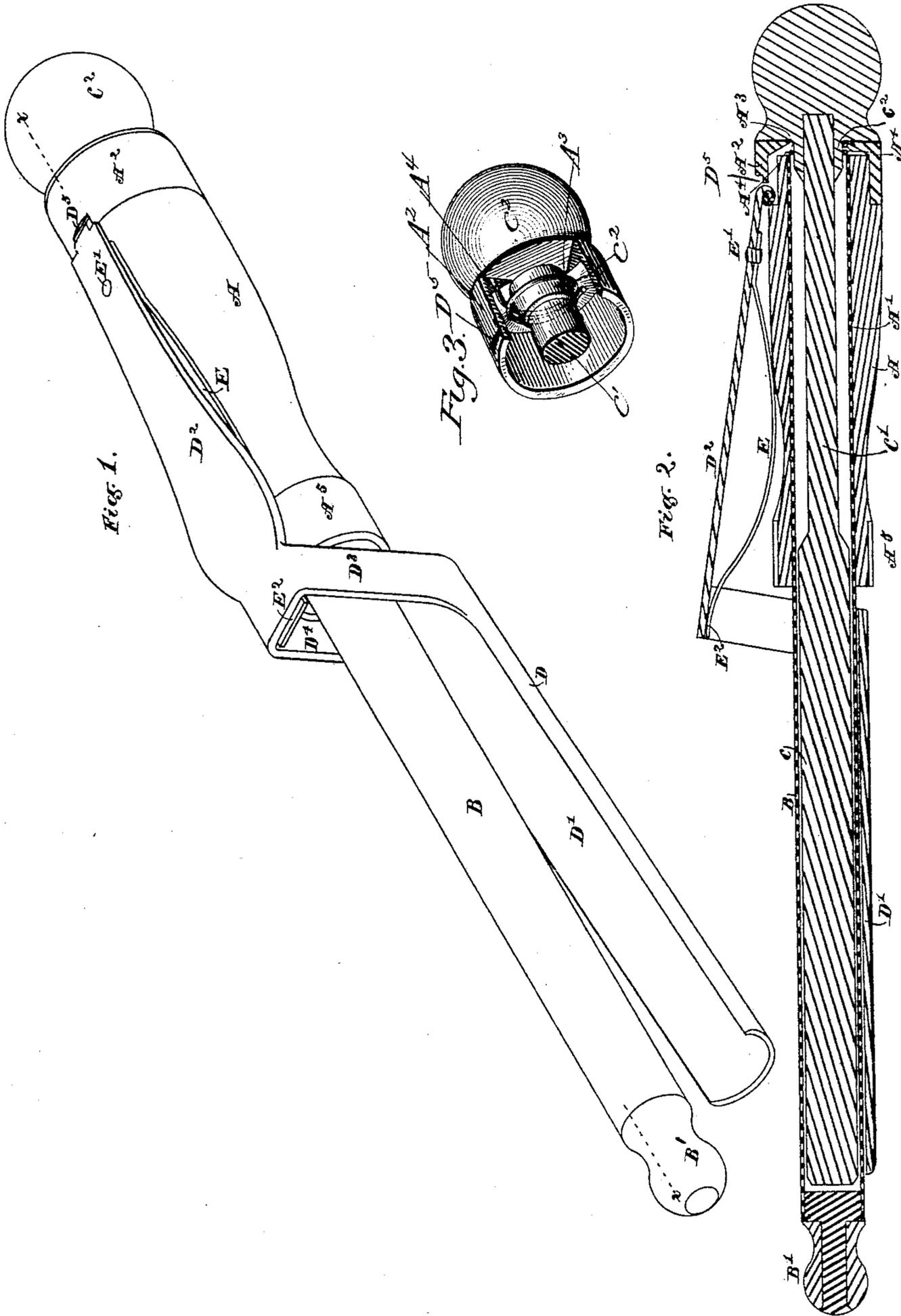


(Model.)

R. W. WELDON.
HAIR CRIMPER AND CURLER.

No. 397,159.

Patented Feb. 5, 1889.



Witnesses:
E. E. Johnson.
G. A. Winans.

Inventor.
Richard W. Weldon.
per
L. L. Monism, Attorney.

UNITED STATES PATENT OFFICE.

RICHARD W. WELDON, OF ROCKFORD, ILLINOIS.

HAIR CRIMPER AND CURLER.

SPECIFICATION forming part of Letters Patent No. 397,159, dated February 5, 1889.

Application filed November 8, 1886. Serial No. 218,253. (Model.)

To all whom it may concern:

Be it known that I, RICHARD W. WELDON, a citizen of the United State, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Hair Curlers and Crimpers, of which the following is a specification.

My invention relates to improvements in that class of hair crimpers and curlers in which a tube is used in connection with a semi-tube to form the curling and crimping device proper, the requisite heat for curling or crimping being furnished by a heated metal rod inserted into the above-mentioned tube.

The objects of my improvements are to so unite the tube, semi-tube, and heating-iron with a handle that the curler and crimper can be easily operated with one hand, and the heating-iron can be readily inserted into and withdrawn from the tube.

In the accompanying drawings, which form a part of this specification, Figure 1 represents an isometrical view of the curler and crimper. Fig. 2 represents a longitudinal central section of the same through the dotted line x of Fig. 1; and Fig. 3 is a detached sectional view of the collar, knob, cap, and ferrule.

Like letters of reference indicate corresponding parts in the three views.

A represents a handle, of wood or other suitable material, having a tubular opening, A' , through the longitudinal center thereof.

A^2 represents a combined cap and ferrule, the former pierced by a central circular opening, A^3 , the latter encircling the lower end of the handle A.

A^4 represents a short spiral spring coiled up within the cap and ferrule A^2 .

A^5 represents a ferrule for strengthening and ornamenting the upper end of the handle A.

B represents a tubular jaw of metal having a very smooth exterior surface, and extending through the tubular opening A' of the handle A, and serving as a lining for the same.

B' represents a swivel-knob.

C represents a cylindrical heating-iron, having the portion C' , which is inclosed in the handle A, of less diameter than the rest of the iron, in order that the heat thereof may not be too readily communicated to said handle.

C^2 represents a combined collar and knob, the former serving as a bearing for the spiral spring A^4 to grasp, to hold the heating-iron C inside the jaw B, the latter forming the finish for the lower end of the handle A.

D represents a jaw of the curler and crimper, consisting, respectively, of the semi-tubular part D' , flat part D^2 , and portion D^3 , which connects the parts of the jaw just enumerated. The portion D^3 of the jaw D lies at right angles—almost any other angle would answer equally well—with the other parts of the jaw, and is provided with an elongated slot, D^4 , of sufficient width to admit the tubular jaw B, and long enough to allow the same a motion of three-fourths of an inch, or thereabout, in the direction of the length of the slot. The jaw D is hinge-jointed to the ferrule of the combined cap and ferrule A^2 at D^5 .

E represents a curved spring for closing the jaws B D of the curler and crimper.

E' represents a rivet securing the spring E to the flat portion D^2 of the jaw D. The upper end, E^2 , of the spring E is free, and emerges slightly from the slot D^4 whenever the jaws B D are pressed apart. The heating-iron C should be withdrawn from the tubular jaw B whenever it is to be heated for use.

To use my invention most advantageously as a curler, I grasp the handle A in one hand and with the other catch the end of the lock to be curled, press the jaws B D apart, and insert the free end of the lock of hair between them and let them close upon the hair. I then grasp the swivel-knob B' with the thumb and forefinger of the hand that has just released the lock of hair and hold it firmly, while with the other hand I revolve the curler toward me.

To crimp a lock of hair I proceed in the same manner as above directed, except that the lock is drawn taut in a horizontal position and the crimper is moved backward and forward to and from me, alternately and rapidly opening and closing the jaws thereof while the hair lies between them. This operation is to be continued until the lock is crimped as little or as much as the operator desires.

I claim—

1. In a hair curler and crimper, the combination, with the handle A, having a tubular opening, A' , through the longitudinal center

thereof and provided with the combined cap and ferrule A², of the jaws B D, the latter being hinged to the combined cap and ferrule A² and provided with the slot D⁴, through 5 which the jaw B passes, substantially as set forth.

2. In a hair crimper and curler, the combination, with the handle A, having a tubular opening through the longitudinal center 10 thereof and provided with the combined cap and ferrule A², the former being perforated by the central circular opening, A³, of the tubular jaw B, provided with the swivel-knob B', the cylindrical heating-iron C, of diminished

diameter at C', the jaw D, composed of the 15 semi-tubular part D', the flat portion D², hinged to the combined cap and ferrule A² at D⁵, and the portion D³, perforated by a slot, D⁴, through which the jaw B is inserted, and the spring E, substantially as described. 20

In testimony whereof I have affixed my signature in the presence of the two subscribing witnesses.

RICHARD W. WELDON.

Witnesses:

THOMAS WELDON,
L. L. MORRISON.