

(No Model.)

A. E. VEON.
CURLING IRON.

No. 577,087.

Patented Feb. 16, 1897.

Fig. 1.

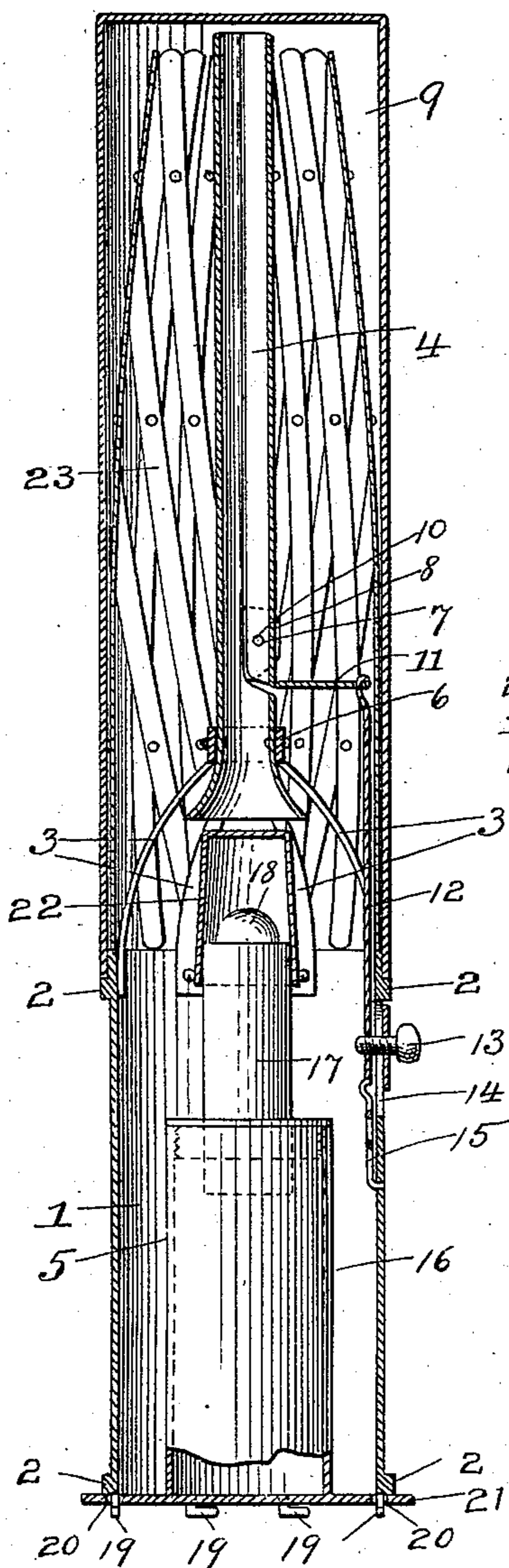


Fig. 2.

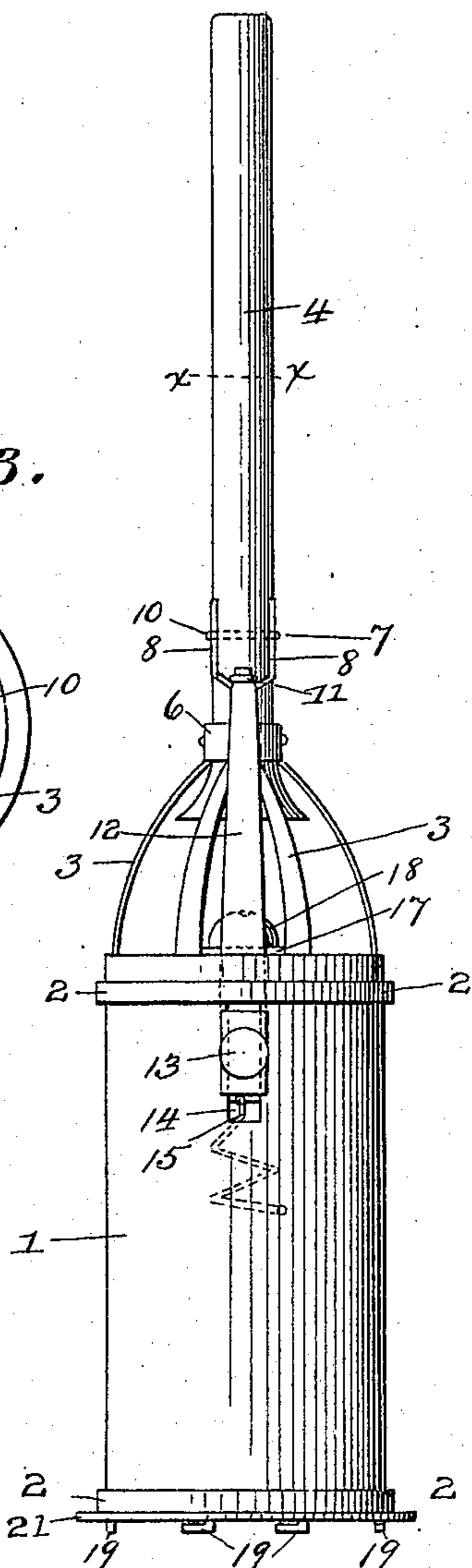


Fig. 3.

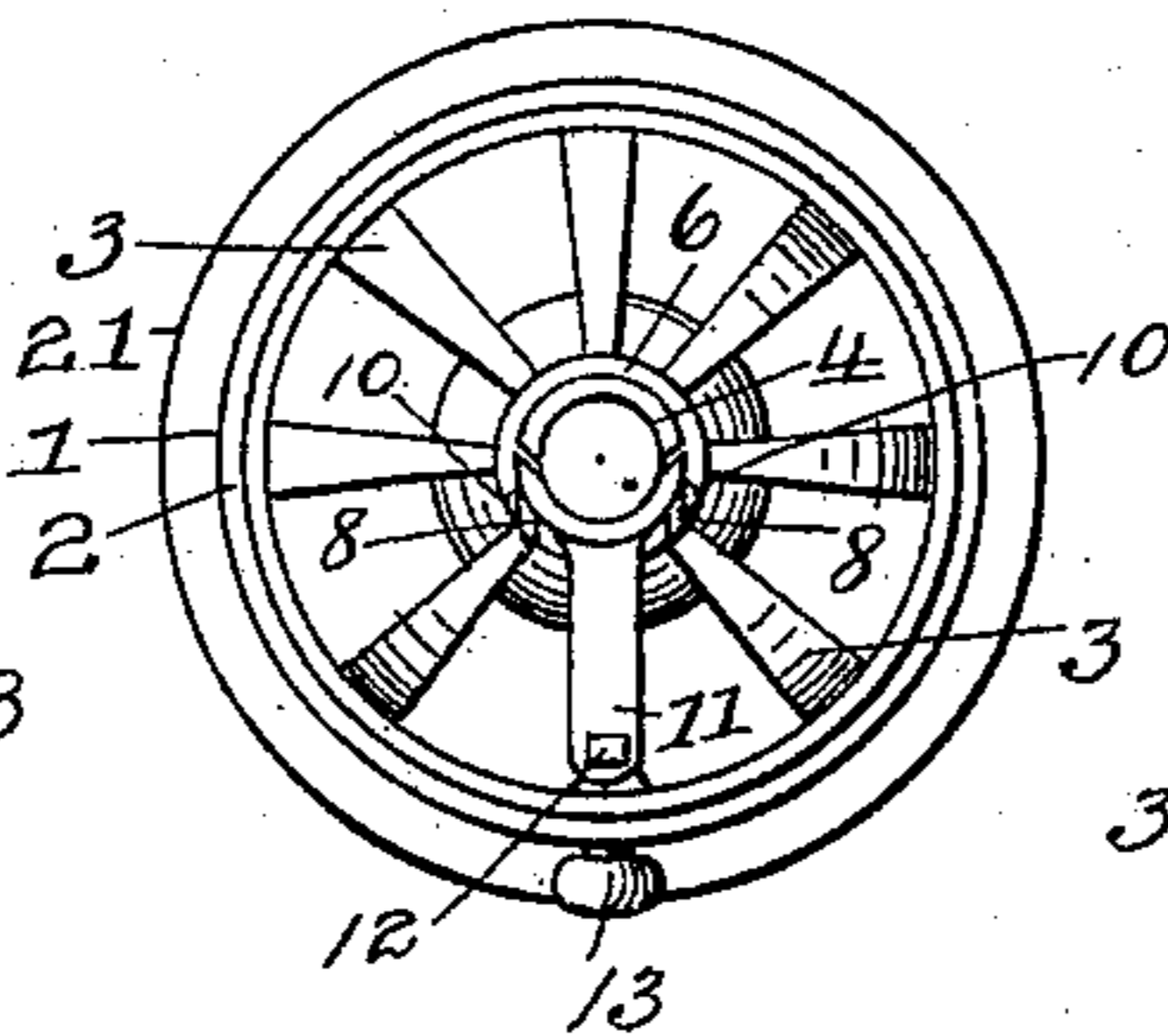
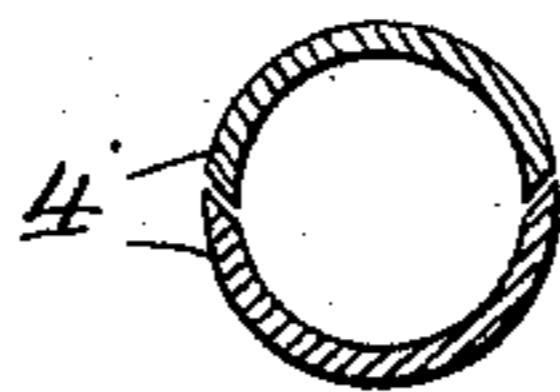


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

ANDREW E. VEON, OF BRAINERD, MINNESOTA, ASSIGNOR OF ONE-HALF
TO EDWARD W. LYNCH, OF SAME PLACE.

CURLING-IRON.

SPECIFICATION forming part of Letters Patent No. 577,087, dated February 16, 1897.

Application filed May 1, 1896. Serial No. 589,896. (No model.)

To all whom it may concern:

Be it known that I, ANDREW E. VEON, a citizen of the United States, residing at Brainerd, in the county of Crow Wing and State of Minnesota, have invented certain new and useful Improvements in Crimping and Curling Irons, of which the following is a specification.

My invention relates to curling and crimping hair, and more particularly to crimping and curling devices which are heated and kept hot during the operation of crimping or curling, and has for one of its objects to provide a crimping and curling iron formed with a hollow handle having the crimping or curling iron formed therewith and adapted to rest in a vertical position over a lamp.

Another object of my invention is to provide a curling-iron formed with a handle which will inclose the lamp used in heating it and in which it may be fixed for packing in a trunk or gripsack when traveling.

Another object of my invention is to provide a hollow separable curling-iron or crimper having the mandrel portion thereof formed in two longitudinal sections, said sections hinged together at their lower ends and provided with a spring to hold the parts in contact, said hollow curling-iron filling the purpose of a chimney when placed over the lamp by which it is heated.

Still another object of my invention is to provide a kit consisting of the several devices which may be used in the operation of curling and crimping hair. One of these devices consists of a folding stand or support which may be placed around the lamp and used to sustain a vessel containing water to be heated over said lamp, the lamp itself forming one of the features of my invention used in making up a kit for curling and crimping hair.

These objects I accomplish in the manner and by the means hereinafter more fully described and pointed out, reference being made to the accompanying drawings, in which the same numerals indicate like parts in all the figures of the drawings, in which—

Figure 1 is a central vertical section of the kit, showing the articles of which it is composed. Fig. 2 is a side elevation of the lamp and curling-iron. Fig. 3 is a top plan view of same, and Fig. 4 is an enlarged cross-section of the tube on the line *x x*.

In carrying out my invention I provide a

cylindrical handle 1, formed of brass or other suitable sheet metal and reinforced with a ring 2 of sheet metal at each of its ends and around its outer circumference. Extending from the upper end of the inner circumference of the cylindrical handle 1 are uprights 3, rigidly placed thereon equidistant from each other and converging at their upper ends. These pieces 3 form supports for the cylindrical curling and crimping iron or tube 4 and are attached to a collar 6, which surrounds the curling-tube near its lower end. The form of construction, however, which I prefer is the one in which the uprights 3 are formed integral with the collar 6 and permanently secured thereon by any suitable means. The curling-tube 4 is flared at its lower end and formed bell-shaped for the purpose of receiving the flame and heat from the lamp 5 when the latter is placed thereunder. The mandrel portion of this curling or crimping tube 4 is longitudinally separable and has one of its sections hinged to the other section thereof at a point near the collar 6, wherein it is supported.

The hinge 7 is made by splitting the tube 4 and spreading it so as to form brackets or knuckles 8, provided with eyes wherein are inserted pintles 10, which enter the walls of the section of the mandrel hinged thereto. The hinged section of the mandrel is formed with a tapering arm 11, extending outwardly therefrom at a right angle and having hinged to its end a draw-bar 12, which depends to the inner circumference of the handle and has fixed thereto the shank of a knob or button 13, which passes through a longitudinal slot 14, formed in the handle 1. Attached to the end of the draw-bar 12 within the handle is a convolute or flat spiral pressure-spring 15, formed of wire and which rests against the side of the handle and has its opposite end permanently fixed thereto. By placing the thumb on the upper side of the knob or button and pressing it down the sections of the mandrel are drawn apart to permit the hair to be clasped between said sections when the knob or button is released, the spring within the handle thus forcing the sections together. The edges of the walls of the mandrel where they join are formed so that one section slightly overlaps the edges of the other section. This result is accomplished by cutting

away the inner edges of one section and the outer edges of the section hinged thereto, so that the edges correspond with each other. The lamp used in heating the curling-tube is
 5 formed with a cylindrical reservoir 16, of slightly less diameter than the handle 1, which is placed over the lamp during the operation of heating the curling-tube. The lamp-reservoir has a cap attached thereto by screw-
 10 threads. From this cap rises a tube 17, having a second tube 18 fitted concentrically therein, which construction forms a gas or vapor generator. The specific construction of said lamp will not be further described
 15 herein, it forming the subject of a separate application for Letters Patent therefor.

The bottom of the handle is provided with a number of horizontally-projected hooks 19, formed integral therewith and adapted to be
 20 inserted in slots 20, formed in the flanged base 21 of the lamp-reservoir, when the hollow handle is placed over said reservoir, whereby the lamp may be securely held in the handle of the curling and crimping device. A cap
 25 22 is provided for covering the top of the lamp-tube and prevents the escape of the alcohol which is used in said lamp, though any suitable hydrocarbon may be used instead of the alcohol, but I prefer the latter, it being
 30 less likely to smut the curling-tube. Wood-alcohol may be used instead of grain-alcohol, its cost being about one-half that of the latter. A cylindrical cover 9 incloses the curling-tube and is closely fitted over the upper end
 35 of the handle thereof.

A folding stand 23, constructed so that it may be extended circumferentially and contracted concentrically, is provided to support a vessel for heating water when desired
 40 in connection with the curling or crimping of the hair. The construction of this stand is such that it may be used for supporting either large or small vessels containing water over the lamp, and it is folded when not in
 45 use and placed within the cylindrical cover of the curling device. The construction of this stand will not be further described herein, it forming the subject of a separate application for Letters Patent therefor. The handle
 50 1 may be covered or surrounded with any suitable material.

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

55 1. In a curling and crimping iron, the combination with a hollow handle, of a tubular curling-iron mounted on said handle, the mandrel portion of said tube longitudinally divided at its central portion, the end of one
 60 section hinged to its complementary part near the lower end thereof and having an arm projecting therefrom, a draw-bar connecting with said arm and with means in said handle for holding the edges of said mandrel portion
 65 normally in contact and means for separating said hinged section to receive the hair, substantially as shown and described.

2. In a curling and crimping iron, the combination with a hollow handle open at each of its ends, of a tube rigidly fixed to said handle
 70 and rising vertically therefrom and forming a chimney for the heating device used therewith, the mandrel portion of said tube longitudinally divided at the central part thereof
 75 and one section pivotally secured to its complementary portion to form a separable means to receive the hair, an arm projecting from said pivotally-secured portion below the pivotal point thereof, said arm connected by a
 80 draw-bar to a convolute spring secured in said handle whereby said mandrel portions of said tube are held normally in contact and means attached to said draw-bar for separating said
 85 tube to receive the hair, substantially as shown and described.

3. A curling and crimping iron comprising a hollow handle and a tubular mandrel, said mandrel longitudinally divided at the central
 90 portion to form a separable means to receive the hair, one section of said mandrel rigidly fixed to said handle and provided with knuckles near its lower end, the complementary section of said mandrel hinged therewith by a
 95 pintle passing through said knuckles, said hinged section provided with an arm at its lower end having hinged thereto a draw-bar, said draw-bar attached at its opposite end to
 100 a convolute or flat spiral spring secured in said handle, whereby the hinged section of said mandrel is held normally in contact with the fixed portion thereof and means for depressing said draw-bar to separate the sections of said mandrel, substantially as shown and described.

4. In a curling and crimping iron, the combination with a hollow handle provided with
 105 a tubular mandrel rigidly mounted thereon, of a lamp removably supported in said handle for heating said mandrel, the bottom of the reservoir of said lamp provided with an
 110 annular flange for supporting said curling and crimping iron vertically, said flange provided with slots to receive hooks formed on the end of said handle and interlock therewith, substantially as shown and described.

5. In a curling and crimping iron, the combination with a hollow handle provided with
 115 a tubular mandrel rigidly secured thereon, of a lamp removably supported within said handle for heating said mandrel, the bottom of the reservoir of said lamp provided with an
 120 annular flange for supporting said iron vertically, said flange being provided with slots to receive hooks formed on the end of the handle and interlock therewith and a cover
 125 inclosing said mandrel fitted to the top of said handle, substantially as shown and described.

In testimony whereof I hereto affix my signature in the presence of two witnesses.

ANDREW E. VEON.

Witnesses:

D. D. SMITH,
 H. J. DAVIS.