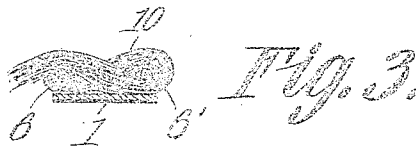
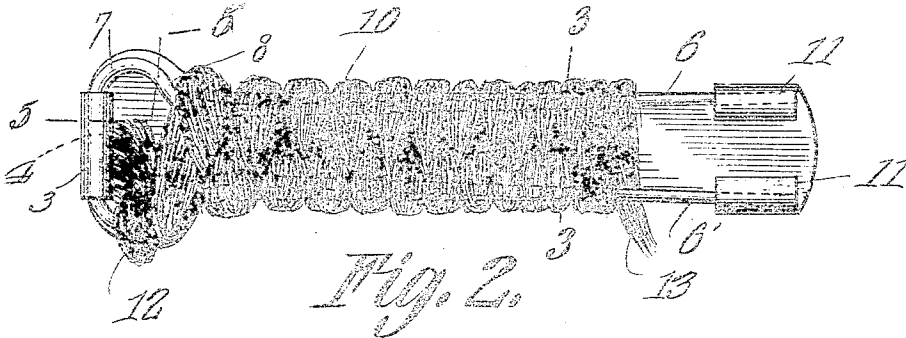
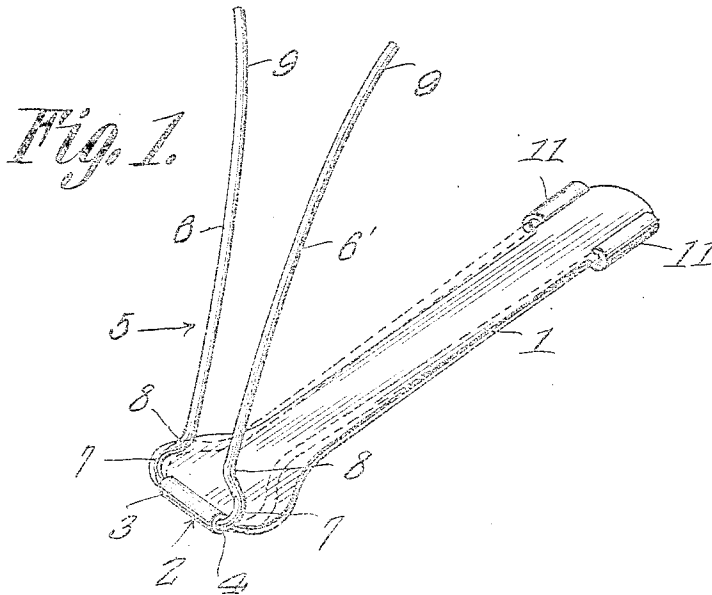


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HAIR CRIMPER.  
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Patented Mar. 11, 1913.



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## UNITED STATES PATENT OFFICE.

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## HAIR-CRIMPER.

1,055,603.

Specification of Letters Patent.

Patented Mar. 11, 1913.

Application filed January 3, 1912. Serial No. 669,260.

*To all whom it may concern:*

Be it known that I, HENRY S. BREWINGTON, a citizen of the United States, residing at Baltimore city, State of Maryland, have  
 5 invented certain new and useful Improvements in Hair-Crimpers, of which the following is a specification.

My invention relates to hair crimpers or wavers and the like, and has for its object  
 10 to provide a device of this character for the purpose of crimping or waving the hair without the application of heat and without injury to the hair.

With the foregoing objects in view, my  
 15 invention consists in certain novel features of construction and combinations of parts which will be hereinafter described and pointed out in the claim.

Reference being had to the accompanying  
 20 drawings, which illustrate a preferred embodiment of my invention, Figure 1 is a perspective view of the hair crimper with the arms in open position, the dotted lines indicating the arms in closed position; Fig. 2  
 25 is a view in elevation of the crimper with a lock of hair applied thereto; Fig. 3 is a sectional view on line 3—3 of Fig. 2; Fig. 4 is a view of a lock of hair after the crimper has been removed, and Fig. 5 is a sectional  
 30 view on line 5—5 in Fig. 2.

1 indicates the body part or retaining member, made from any suitable flexible material, preferably sheet metal, having an  
 35 extension 2 provided on one end which is rolled inwardly and downwardly to form a pivotal bearing 3 into which is secured a straight central connecting portion 4 of the crimping member or pin 5. The arms 6 and  
 40 6' adjacent to the connecting portion 4, are curved outwardly to form loops 7—7, and thence from the points of termination of the loops indicated 8—8, are gradually flared or widened to their free ends indicated 9—9. The crimping member is made from resilient material, preferably spring wire, the  
 45 formation of the loops 7—7 being such as to form a spring affording additional resiliency to the arms 6 and 6' to that afforded by the bending alone of the wire, the additional resiliency thus afforded affords addi-  
 50 tional lateral pressure on the hair when wrapped around the arms and greatly lessens the time required to accomplish the crimping of the hair, they also afford means

for holding or tying the lock of hair indicated 10, the hair being usually thicker at  
 55 the point nearest the head of a person than at its ends, preceding the operation of wrapping the hair about the crimping arms, as will be hereinafter described. Provided on  
 60 the sides of the opposite end portion of the retaining member are wings or extensions which are rolled inwardly and downwardly above the body part of the member to form  
 65 partially open cylinders 11—11, forming catches for engaging with the free ends 9—9 of the crimping member 5 and housing them therein. The retaining member is made  
 70 from flexible material so that when a lock of hair is secured therein, the body part of the member will conform to the lock of hair and the pressure on the hair will be equal-  
 75 ized throughout the entire length of the crimper. Said retaining member throughout its length, is of a width to underlie the arms 6—6' when in a closed position, and  
 80 is also widened at the end adjacent the loops 7—7 to underlie them. Thus when the hair is wrapped upon the pin including one of its loops and the retaining member is locked  
 85 to the pin, said retaining member compresses the hair on said loop and arms.

My invention is operated as follows: Assuming for the purpose of this description,  
 90 that the lock of hair indicated 10, desired to be crimped or waved is worn on the head of a person, the device is first opened as shown in Fig. 1, the lock of hair is then passed  
 95 through and between the loops 7—7, thence over and under and around one of the loops as indicated at 12, forming a knot whereby the hair is held in the crimper during the  
 100 plaiting or wrapping operation, which operation is as follows: The lock of hair is passed from around the loop across to, under and over the arm 6, thence across to,  
 105 under and over the arm 6', in the form of a figure 8, as indicated in Fig. 3, this wrapping or plaiting of the hair on the two arms being continued in the manner described until the entire lock of hair is secured on the  
 110 arms, and the free end of the hair indicated 13 is secured under one of the arms by pressing the retaining member 1 against the arms and securing the free ends 9—9 within the catches 11—11 as shown in Fig. 2. It  
 115 is obvious that while the manner of securing the lock of hair in the crimper just de-

scribed has been restricted to begin with the loop adjacent to the arm 6', it follows that the same result may be obtained by beginning with the lock of hair in the loop adjoining the arm 6, the manner of securing the hair about the arms being accomplished in the same manner as has already been described. After permitting the lock of hair to remain in the crimper for a requisite length of time, the arms 6 and 6' may be pressed together toward each other and the ends 9—9 released from the catches 11—11, and the arms of the crimping member be readily withdrawn from the lock of hair, and when withdrawn the hair will have assumed the crimped or waved shape indicated 14 in Fig. 3.

It will be observed that in the construction of my device there are no rough or sharp parts or edges which are exposed to the hair as likely to damage or injure the same; that the arms upon which the hair is plaited or wrapped are round and perfectly smooth and straight and offer no obstruction to the removal of the crimper from the hair.

Having fully described my invention, what

I claim as new and desire to secure by Letters Patent, is;

A hair crimper, comprising a crimping pin formed of a head and two arms having free ends extending therefrom, said head embodying a central straight section and side loops connecting said arms to said section, projecting outwardly from the base of said arms forming springs for laterally separating said arms and also forming an enlarged recess between the loops to receive wrappings of hair to positively position the crimper on the hair, and a flat retaining member having a bearing at one end in which said straight central section of the pin is pivoted, catches at its other end for the reception of the free ends of the pin, said retaining member being of a width to completely underlie the loops and arms of said pin when in a closed position.

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

HENRY S. BREWINGTON.

Witnesses:

BROWN M. ALLEN,  
JOHN E. WALKER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."