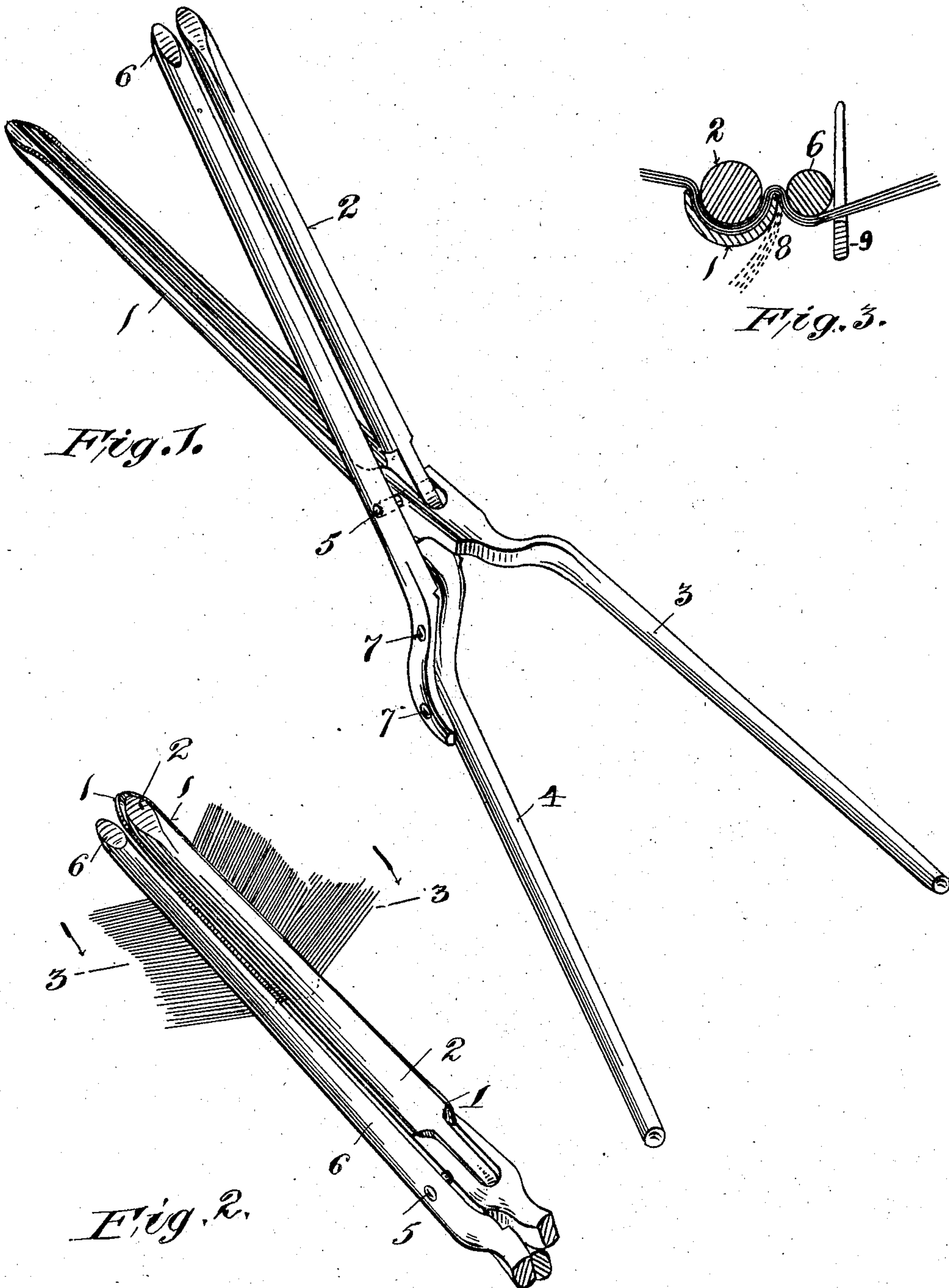


No. 806,386.

PATENTED DEC. 5, 1905.

F. M. WOELFFLÉ.  
CURLING IRON.

APPLICATION FILED MAR. 2, 1905.



Witnesses  
Chas. Benjamin  
Phas. W. Hensley.

Inventor  
Francis Marcel Woelffle.  
By his Attorney  
Joseph L. Levy



# UNITED STATES PATENT OFFICE.

FRANÇOIS MARCEL WOELFFLÉ, OF NEW YORK, N. Y.

## CURLING-IRON.

No. 806,386.

Specification of Letters Patent.

Patented Dec. 5, 1905.

Application filed March 2, 1905. Serial No. 248,055.

*To all whom it may concern:*

Be it known that I, FRANÇOIS MARCEL WOELFFLÉ, a citizen of the United States, and a resident of the city, county, and State of New York, have invented certain new and useful Improvements in Curling-Irons, of which the following is a specification.

The object of my invention is to provide a curling-iron for curling hair by which the hair may be given a waving appearance and in which the wave may be curved in regard to the lengthwise direction of the hair without injuring the hair, as has been necessary in former curlers.

Heretofore it has been necessary with a curling-iron having the two members in order to twist the hair after the hair is between the two members, so as to give it a wave, to wrap the iron in the hair in order to apply the heat to the outer edge of the curler and then work the iron, and in doing so it causes material damage to the hair. This is also a very difficult thing to do to secure certain curves in the hair, as it requires considerable experience before success can be had; and it is the object of my invention to supply a supplementary heating member which will heat the hair at the top of the curve, where it is bent by the ordinary jaws.

The details of my invention will be more fully described hereinafter.

In the drawings forming part of this application, Figure 1 is a perspective view of my improved iron with the jaws open. Fig. 2 is a similar view of a portion of the iron when closed and showing the hair gripped in the jaws. Fig. 3 is a cross-section on the line 3 3 of Fig. 2.

In the ordinary curling-iron there is a jaw 1, which is curved and adapted to receive in the curved portion a secondary rod 2, each of these members being either made integral with or secured to handles 3 and 4, working on a pivot 5, so as to be opened and closed by the handles. Both of the members 1 and 2 are heated in any desired way for the purpose of giving the hair the curl desired by bringing the parts 1 and 2 together with the hair between. The object of my invention is to apply another heating member—such, for instance, as 6—in such a position that it will heat the hair on the outside of the bend, and for this purpose I preferably attach it to the

handle 4, which carries the rod 2 and is preferably made parallel therewith. This extra rod is secured to the handle by rivets 7, or it may be secured in any desired way, or it may be integral therewith. As will be seen in Fig. 3, this extra heating member when the parts are closed and the hair passed between the parts 1 and 2 heats the hair at the point 8 just as it passes out of the parts 1 and 2. This gives the proper wave to the hair, which was formerly obtained only after long experience and material injury to the hair. If it is desired to have the hair wave in more than one direction, the comb 9 may be placed in the hair, as shown in Fig. 3, and drawn either to the right or left lengthwise of the hair, leading the hair on the surface of the member 6, when the hair will be waved in that direction. The iron may then be removed lower down on the hair and this operation reversed by pushing the comb in the opposite direction to curve it reversely.

Having described my invention, what I claim is—

1. A curling-iron comprising a heating member which is circular in cross-section, and a second heating member which is concavo-convex in cross-section, to receive the first member, the said members cooperating to form a clamp for the hair, operating-handles for the said members, and a third heating member operated by one of the said handles and being parallel with the other heating members when the iron is closed, the edge of said concavo-convex member being adapted to enter between the other two heating members, when the iron is closed, whereby the hair is curved between the concavo-convex member and one of the round members, and is then reversely curved on the edge of the concavo-convex member.

2. A curling-iron comprising an annularly-curved heating member provided with a handle, and having an aperture therein, a bifurcated second heating member provided with a handle, one of said bifurcated ends passing through the opening in the first heating member and pivoted therein.

Signed this 1st day of March, 1905.

FRANÇOIS MARCEL WOELFFLÉ.

Witnesses:

CHARLES G. HENSLEY,  
WENONA MARLIN.