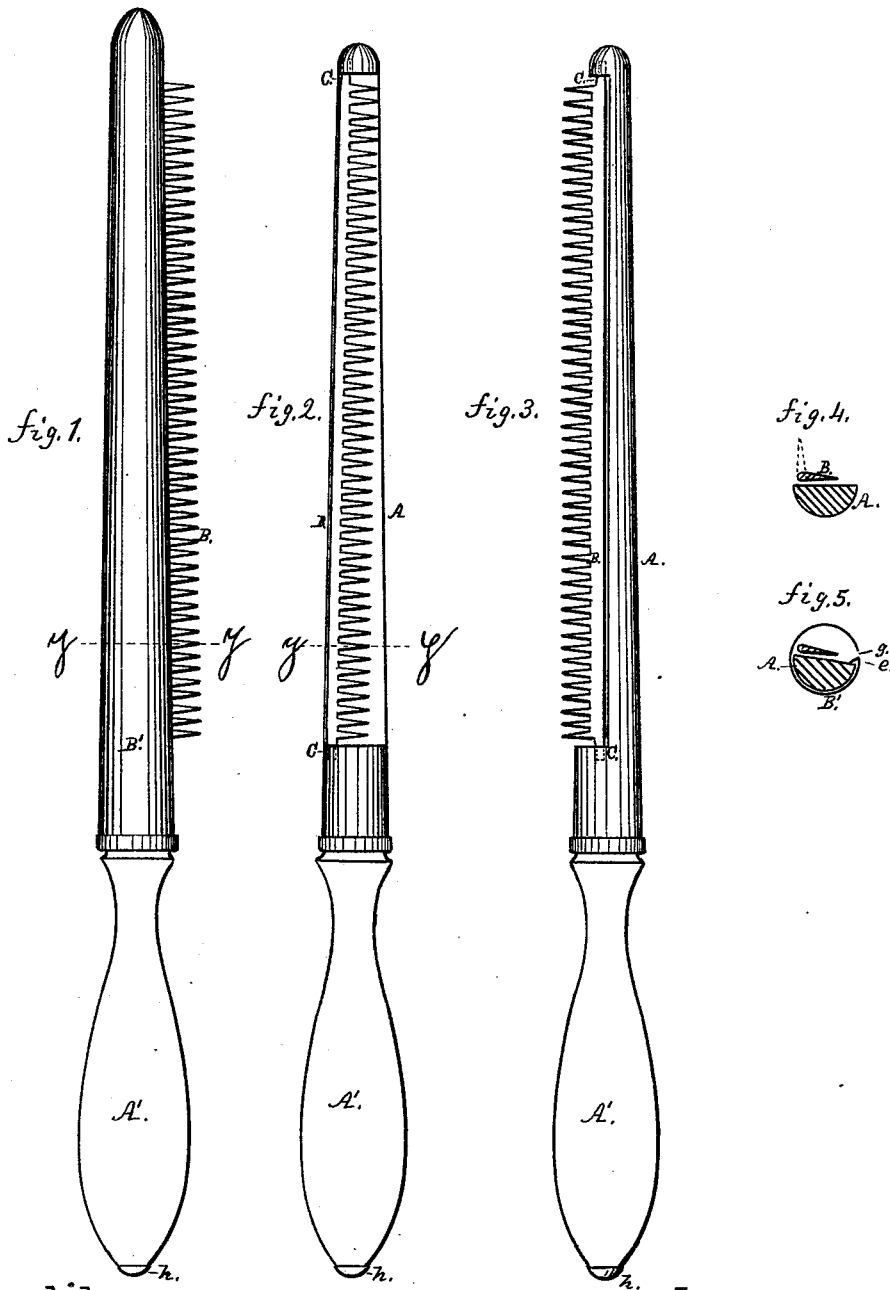


C. MAGGI.
CURLING-IRONS.

No. 190,602.

Patented May 8, 1877.



Witnesses
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Inventor
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UNITED STATES PATENT OFFICE.

CHARLES MAGGI, OF ALLEGHENY, ASSIGNOR OF A PART OF HIS RIGHT
TO CHAS. A. MURRAY AND JOHN FAHEY, OF PITTSBURG, PA.

IMPROVEMENT IN CURLING-IRONS.

Specification forming part of Letters Patent No. **190,602**, dated May 8, 1877; application filed
November 27, 1876.

To all whom it may concern:

Be it known that I, CHARLES MAGGI, of the city and county of Allegheny, in the State of Pennsylvania, have invented a certain new and useful Improvement in Toilet and Curling Comb; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature of my invention consists in providing a comb with trunnions and pivoting them in a heater, which is placed in a sheath having an aperture in the side of it, and a flange on one side of said aperture projecting toward the axis of the sheath, whereby the comb can be thrown out and withdrawn into the sheath by rotating the heater.

To enable others skilled in the art with which my invention is most nearly connected to make and use it, I will proceed to describe its construction and operation.

In the accompanying drawings, which form part of my specification, Figure 1 is a side view of my improvement in toilet and curling comb. Fig. 2 is a side view of the heater and comb, representing the position of the latter when the teeth of the comb are drawn within the sheath. Fig. 3 is a side view of the heater and comb, representing the position of the latter when the teeth are projected out through the aperture in the sheath. Figs. 4 and 5 are transverse sections of the comb at lines *y* of Figs. 1 and 2.

In the accompanying drawings, A represents the heater, which is constructed of cast-iron or other suitable metal. B is the comb, which is provided with trunnions pivoted in or to the heater at C.

The comb B may be constructed of any suitable metal, or constructed of other material, such as vulcanized rubber, horn, or wood.

The heater is furnished with a handle, A', and that part of it between the trunnions C is cut away for a rest or recess for the comb B, so that the heater between the trunnions C is a semicircle when viewed in cross-

section, as indicated in Figs. 4 and 5. The heater A and comb B are inclosed in a sheath, B', in the side of which is an aperture, *g*, and on one side of this aperture is a flange, *e*, which projects inward toward the axis of the sheath, as shown in Fig. 5.

The flange *e* limits the rotation of the heater, and serves as a guide for directing the teeth of the comb out through the aperture *g* of the sheath B'.

The sheath B' is constructed of sheet-metal, such as tin, brass, copper, or silver, and may be, when constructed of cheap sheet metal, nickel-plated, silver-plated, or otherwise coated, for the purpose of giving it a fine finish.

The handle A' is constructed of hard wood or other suitable material susceptible of receiving a fine finish and polish, and is secured on a shank or tang, *h*, cast on the heater A.

The skillful mechanic will, from the foregoing description, and by reference to the accompanying drawings, be enabled to construct my improvement in toilet and curling-comb. I will, therefore, proceed to describe the operation of it, which is as follows:

The heater is (when so desired) heated in warm water. It is then placed in the sheath, and the handle A' is rotated, which will bring the points of the teeth of the comb against the inward-projecting flange *e*, which will guide them out through the aperture *g* until they are in the position represented in Fig. 1. The teeth of the comb are then drawn through the hair to be curled to near the points of the same, which is then wound around the sheath, after which the handle A' is rotated for the purpose of drawing within the sheath the teeth of the comb B. The sheath and its heater A can then be drawn out of the coiled hair, leaving a handsome ringlet of hair as the result of the curling accomplished by the hereinbefore-described toilet and curling comb.

If it is desired, the sheath B' can be secured on the heater, so that the latter may be rotated in the former. This arrange-

ment I leave to the judgment of the manufacturer.

Having thus described my improvement, what I claim as my invention is—

A hair-curler composed of the heater A, having a comb, B, pivoted thereto, in combination with the sheath B' having an aperture,

g, and inward-projecting flange e, substantially as herein described, and for the purpose set forth.

CHAS. MAGGI.

Witnesses:

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