

J. S. MORGAN.
Curling-Irons.

No. 144,471.

Patented Nov. 11, 1873.

Fig. 1.

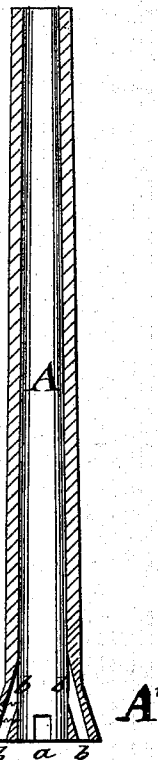


Fig. 2.

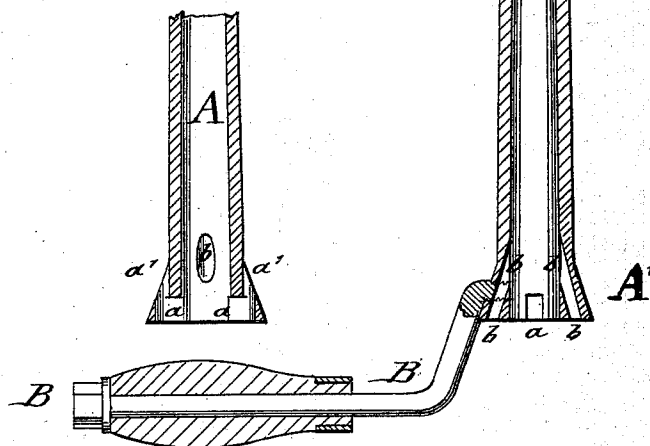
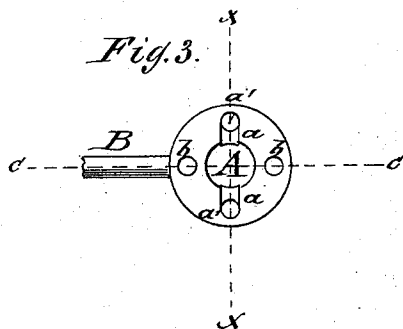


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOSEPH S. MORGAN, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN CURLING-IRONS.

Specification forming part of Letters Patent No. 144,471, dated November 11, 1873; application filed October 18, 1873.

To all whom it may concern:

Be it known that I, JOSEPH SOUTHARD MORGAN, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Curling-Iron, of which the following is a specification:

In the accompanying drawing, Figures 1 and 2, respectively, represent vertical longitudinal transverse sections of my improved curling-iron on the lines *c c* and *x x*, Fig. 3; and Fig. 3, a bottom view of the same.

Similar letters of reference indicate corresponding parts.

The object of my invention is to produce, for the use of ladies, hair-workers, and others, an improved curling-iron, which is adapted to be conveniently used on every gas or other flame, keeping its polish and surface uninjured, and perfectly clean for use, and being easily handled with one hand, while the other curls the hair on the iron and manipulates it in the proper manner. My invention consists of a hollow metal tube, with a double-elbowed handle applied to its larger conical base, which is provided with air-channels for carrying up the flame to the full length of the iron, and also with diametrical side recesses having vertical openings, by which the extinguishment of the flame on the burner is prevented.

A in the drawing represents a curling-iron of suitable thickness to retain the heat. It may be made of any metal having heat-retaining qualities, and is intended to be heated on any ordinary gas-burner, or any suitable fluid-burning lamp. Its shape is that of a hollow tube, which tapers slightly from the base to the top. The base A' of tube A is of larger conical shape, to which a double-elbowed handle, B, is applied, which projects sideways from the base, and gives a comfortable position to the hand and arm while being used. Two recesses, *a*, with openings *a'*, extending vertically through base A', prevent the extinguishment of the flame at the base when the iron is

placed on the burner, as they supply a sufficient amount of air to the gas-jet, even if the iron is in close contact with the rim of the burner. A second set of holes, *b*, pass in a direction parallel to the outer surface of the base A', and open into the interior of tube A, supplying thus continually fresh air to the flame, keeping up the draft through the iron tube, and heating the iron equally along its full length.

The curling-iron is placed on the burner after the gas is lighted, and also lighted at the top of the iron to consume the gas passing through, and is then left thereon till sufficiently heated for use.

The use of gas in the inside of the iron keeps it free from soot, dispensing with the necessity of wiping off before use. The double-elbow handle allows the convenient application without turning the hand or arm too much, leaving the other hand free to curl the hair thereon.

The old method of heating the iron from the outside, which causes it to become soiled, uneven, and soon unfit for use, requiring cleaning after being heated, is done away with, and this iron, by being made in different sizes, may be adapted to all kinds of work.

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

1. The curling-iron consisting of a tube, A, with conical base part A' and double-elbow handle B, arranged and applied substantially as and for the purpose described.

2. The base part A', provided with side recesses *a* and vertically-extending apertures *a'*, for supplying air and preventing the extinguishment of the flame at the base, substantially as and for the purpose described.

JOSEPH SOUTHARD MORGAN.

Witnesses:

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