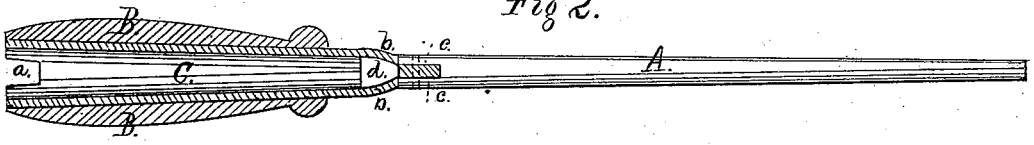
L. WILKINSON.

Curling-Iron.

No. 161,313. Patented March 23, 1875.

Fig 1.

Fig 2.



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UNITED STATES PATENT OFFICE.

LEWIS WILKINSON, OF BROOKLYN, NEW YORK, ASSIGNOR TO W. G. MORGAN, OF SAME PLACE.

IMPROVEMENT IN CURLING-IRONS.

Specification forming part of Letters Patent No. **161,313**, dated March 23, 1875; application filed January 18, 1875.

To all whom it may concern:

Be it known that I, LEWIS WILKINSON, of the city of Brooklyn, county of Kings and State of New York, have invented an Improved Gas-Heating Curling-Iron for toilet use, of which the following is a specification:

The object of my invention is to provide a new and useful form of curling-irons for toilet purposes, so constructed and arranged that it may be readily and rapidly heated for use by attaching it to an ordinary gas-burner.

In the drawings which form a part of this specification, Figure 1 is a plan view of my invention, and Fig. 2 is a longitudinal section of the same.

Similar letters of reference indicate corresponding parts.

A is the iron which is to be heated. It is in shape a small tapering rod or spindle, and it may be constructed from any suitable metal, as desired, and shaped into form by any of the well-known processes used by metal-workers for producing similar forms. B is the handle; C is the connecting-tube or shank. It is made hollow, and may be constructed from ordinary brass tubing of suitable size and strength. It is passed entirely through the handle B; and at its extreme, at the rear end of the handle, is turned or reamed out tapering, forming a socket for the purpose of fitting over an ordinary gas-burner. At the base of the handle B, openings *a a a*, in number more or less, are cut through its diameter, and also through the shank C. These openings are for the purpose of admitting oxygen from the atmosphere. At the forward extremity or apex of the handle B lips or flanges *b b* are struck or cut out of the circumference of the shank C, the two flanges forming a U shape, the metal between them being removed, leaving openings *d*. To these flanges or lips the tapering spindle A is firmly riveted on two sides at *c c*, as indicated in the drawings.

The operation and practical use of my invention are as follows: The completed apparatus is placed over a common gas-burner, and as the burner will reach into the tapering socket in the shank C and handle B a portion of its length, the instrument necessarily remains steadily in position while heating. The hydrogen gas is then admitted, and passes freely up through the shank C in the handle B. The oxygen of the atmosphere enters freely through the openings *a a a*, passes up by the sides of the gas-burner, and is combined and mixed with the hydrogen gas at the apex of the gas-burner. The combined gases then continue in their upward passage until the openings *d*, at the base of the tapering spindle, are reached, when they escape between the lips *b b*. The combined gases are then ignited at this point, and the flame produced therefrom encircles and envelopes the spindle A its entire length, and it is thereby very quickly heated to any degree of heat desired. The metal part of this curling-iron may be nickel-plated or otherwise ornamented, and its being heated, as described, does not injure the same. There is also an entire absence of soot or dirt of any kind—a great desideratum in articles of toilet use.

I claim as my invention and desire to secure by Letters Patent—

As a new article of manufacture, a curling-iron, composed of the tapering spindle A, the hollow shank C attached to the base of the spindle A by the lips or flanges *b b*, and the handle B, having a tapering socket, all constructed, combined, and arranged to operate substantially as and for the purposes as herein shown and described.

LEWIS WILKINSON.

In presence of—
A. L. MUNSON,
HOMER S. BEARDSLEY.