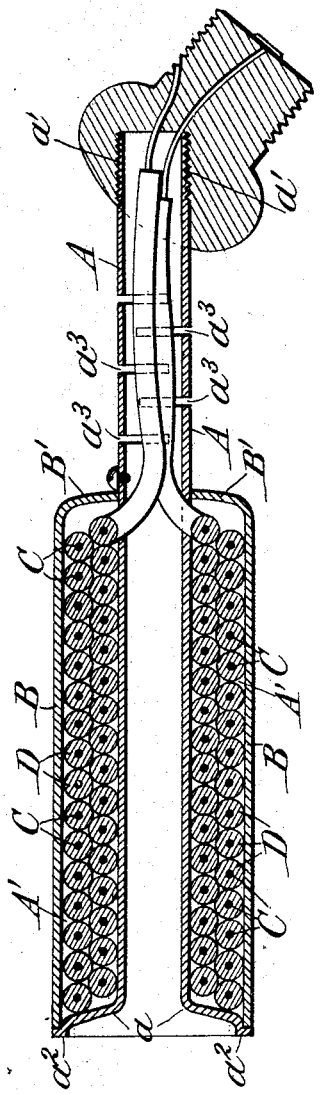
(No Model.)

S. B. JENKINS.

ELECTRIC CURLING IRON HEATER.

No. 491,313. Patented Feb. 7, 1893.



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UNITED STATES PATENT OFFICE.

SAMUEL B. JENKINS, OF BOSTON, MASSACHUSETTS, ASSIGNOR, BY MESNE ASSIGNMENTS, TO THE AMERICAN ELECTRIC HEATING COMPANY, OF SAME PLACE.

ELECTRIC CURLING-IRON HEATER.

SPECIFICATION forming part of Letters Patent No. 491,313, dated February 7, 1893.

Application filed June 8, 1892. Serial No. 435,929. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL B. JENKINS, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Electric Curling-Iron Heaters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide an electrically heated curling iron heater which shall be light simple efficient, pleasing in appearance, and not easily injured.

To this end, the said invention consists in an electric curling iron heater having a cylindrical hollow shell in combination with an insulated wire which forms part of an electric circuit and is wound helically in the interior of said shell.

The said invention also consists more specifically in the construction and combination of parts hereinafter set forth and claimed.

In the accompanying drawing, which represents a longitudinal section of a curling iron heater embodying my invention, A designates a tubular stem which is screw-threaded at one end a' for attachment to any standard plug fitting into any standard socket as used for electric lighting fixtures; its other end a being flared as shown to form the outer end of said curling iron. That half, approximately, of the said tubular stem which is nearest this flared end constitutes the inner wall of the hollow annular chamber A′ of the said iron.

B designates a cylindrical hollow shell concentric with the said stem but bent down at its inner end to meet the same, as shown at B′ and fitting at its outer end against a small annular flange or rim a^2 of the flared part a. These two parts A and B are held together by a screw b which turns into a screw-tapped hole of the said stem and binds against the bent portion B′ of the said shell B. Or it may pass through a small flange formed on the latter.

The inside or bore of the tubular stem A receives the curling iron, which is to be heated. The exterior of shell B may have any convenient form though that shown is best. In the chamber A′ a wire C, covered with a coating D of insulating material, is wound helically about the said stem or inner wall A to the flared end a and then back in a second helicoid outside of the former to the handle end, the two terminals of the wire passing side by side through the tubular stem A and connecting directly or indirectly with the generator of electricity to complete the electric circuit. The said stem is provided with holes or slots a^3 near its handle end, to allow the passage of a current of air through the bore of the said iron and its stem, in order that excessive heating, especially of the inner face may be prevented. This current of course will not flow when the curling iron is in the bore, closing it.

Of course a different conductor may be substituted for the wire; or a different method of winding may be employed; or the wire may be insulated in other ways than that described.

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

1. A curling-iron heater provided with a central bore which is open at one end to receive the curling iron, an electrically heated resistance surrounding the said bore and a shank extending rearward from the other end of the said heater substantially as set forth.

2. A curling iron heater having a shank adapted to screw into a support and a hollow body provided with an electrical resistance surrounding a bore which is open at one end to receive the curling iron substantially as set forth.

3. An outer metallic shell and an inner metallic shell in combination with the wire which is wound in the space between the said shells and forms part of an electric circuit,

the inner shell being extended to form a shank through which the ends of the said wire pass and the other end of the said inner shell being open to receive the rod which is to be heated substantially as set forth.

4. An electrically heated curling iron heater having one end open to receive the iron the other end being extended to form a shank which is provided with slots allowing a draft of air through the bore substantially as shown.

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

SAMUEL B. JENKINS.

Witnesses:

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PELATIAH R. TRIPP.