

No. 618,184.

Patented Jan. 24, 1899.

S. NOLAN.
CURLING IRON.

(Application filed Nov. 13, 1897.)

(No Model.)

Fig. 1.

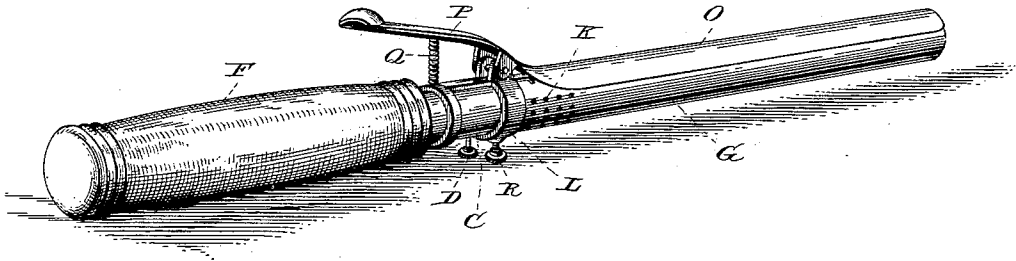


Fig. 2.

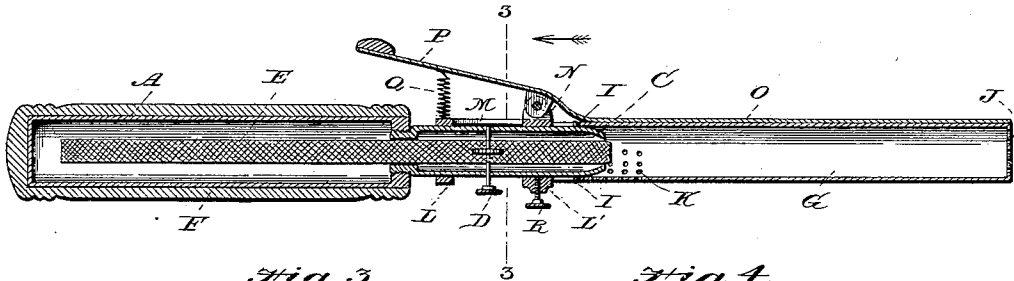


Fig. 3.

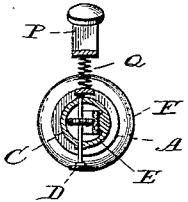


Fig. 4.

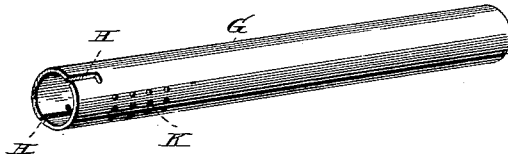


Fig. 5.

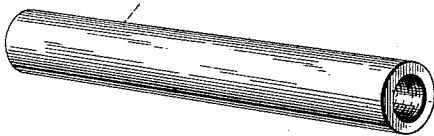


Fig. 6.

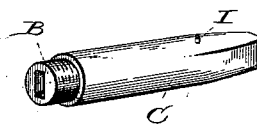
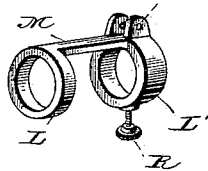


Fig. 7.



Witnesses
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UNITED STATES PATENT OFFICE.

SARAH NOLAN, OF CHICAGO, ILLINOIS.

CURLING-IRON.

SPECIFICATION forming part of Letters Patent No. 618,184, dated January 24, 1899.

Application filed November 13, 1897. Serial No. 658,448. (No model.)

To all whom it may concern:

Be it known that I, SARAH NOLAN, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful
5 Curling-Iron, of which the following is a specification.

This invention relates to an improvement in curling-irons; and the object thereof is to provide a self-heating iron which is simple in construction and effective in operation, the same being so constructed as to be quickly and readily heated for use without the employment of any exterior heating means.

With the above object in view the invention consists in a hollow handle constituting the lamp-bowl, a burner for receiving the wick and carrying operating means by which the wick may be adjusted, a tubular mandrel adapted to be detachably positioned upon the
20 burner, and a pivot-clamp adapted to coact with the mandrel for curling the hair.

My invention further consists in the improved construction, arrangement, and combination of parts hereinafter fully described and afterward specifically pointed out in the
25 appended claim.

In order to enable others skilled in the art to which my invention most nearly appertains to make and use the same, I will now proceed
30 to describe its construction and operation, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of a curling-iron constructed in accordance with my invention. Fig. 2 is a vertical longitudinal sectional view of the same. Fig. 3 is a vertical transverse sectional view on the line 3 3 of Fig. 2, looking in the direction indicated by the arrow in said figure. Fig. 4 is a detail
40 perspective view of the mandrel. Fig. 5 is a similar view of the tube constituting the lamp-bowl. Fig. 6 is a perspective view also of the burner, and Fig. 7 is a similar view of the collar to which the clamp is pivoted.

Like letters of reference mark the same parts wherever they occur in the different figures of the drawings.

In the accompanying drawings, A indicates
50 a tube open at one end and interiorly screw-threaded adjacent said end to receive the screw-threaded end of the stem B of the

burner C, said burner having the usual shaft and wheel D for operating the wick E. Tube A is adapted to fit within a handle portion
55 F, which may be of any desired material, such as wood or metal nickel-plated.

The tubular mandrel G is provided at its open end with the bayonet-slots H on opposite sides of its center to engage the pins I,
60 carried by the burner, so that said mandrel may be detachably secured upon the latter. The closed end of the mandrel is provided with perforations J, and said mandrel is also provided with perforations K, adjacent to the
65 burner, so as to supply air to insure the burning of the lamp.

L L are rings connected by the bar M, one of said rings being provided on one side with the perforated ears N, between which the
70 clamp O is pivoted, said clamp being provided with the thumb-piece P and held normally in engagement with the mandrel by the spring Q, which engages at one end the thumb-piece and at its opposite end one of the rings L.
75

A set-screw R is carried by one of the rings L, by means of which said rings are detachably secured upon the burner.

In operation the lamp-bowl is filled with oil, alcohol, or other similar fluid, the mandrel removed, and the wick lighted.
80 The mandrel is then replaced and heated to a sufficient temperature, when the device may be used in the usual manner for curling hair.

It will be seen that the parts are so constructed that they may be readily detached,
85 and the entire construction is very simple, there being but a minimum number of parts, which are very effective in operation.

While I have illustrated and described the
90 best means now known to me for carrying out my invention, I do not wish to be understood as restricting myself to the exact details of construction shown and described, but hold that any slight changes or variations,
95 such as might suggest themselves to the ordinary mechanic, would properly fall within the limit and scope of my invention.

Having thus fully described my invention, what I claim as new, and desire to secure by
100 Letters Patent of the United States, is—

In a curling-iron, the combination with a hollow handle, of an oil-reservoir positioned therein and having a threaded outer end, a

wick-tube or burner secured in said threaded
end of the reservoir, a wick-regulator carried
by said tube, a tubular mandrel detachably
positioned on the outer end of said tube and
5 provided with draft-openings adjacent to the
wick-tube and also at its outer end, a sleeve
detachably positioned upon the wick-tube,

and a clamp pivoted to said sleeve and adapted
to coact with the mandrel, substantially as
described.

SARAH NOLAN.

Witnesses:

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