(No Model.)

G. L. THOMPSON.

CURLING IRON.

No. 438,295. Patented Oct. 14, 1890.

Fig 1.

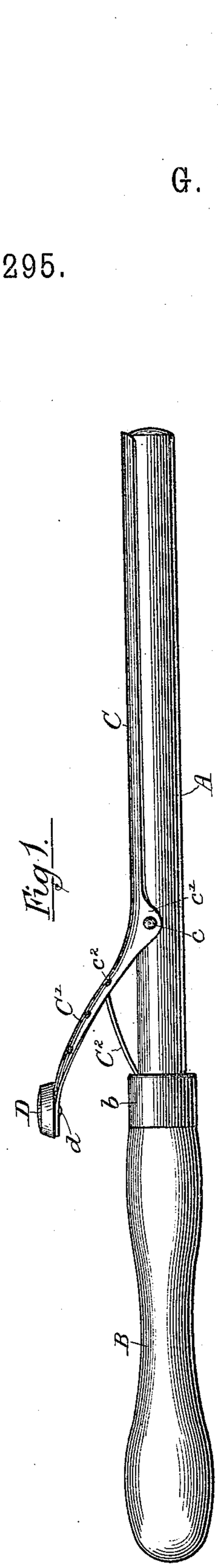


Fig 2.

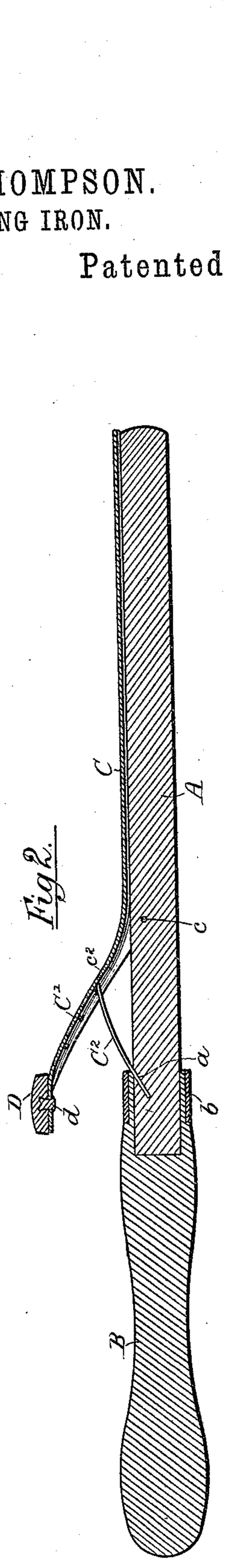
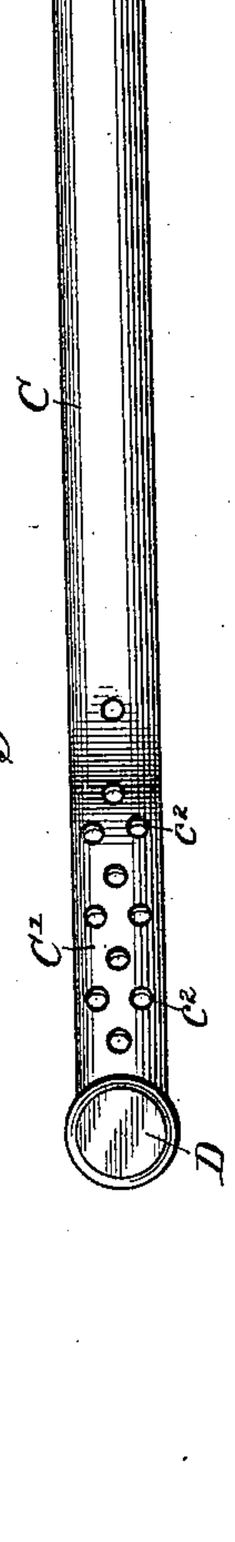


Fig 3.



Witnesses.

Wm. Rheem.

Wm. L. Fleming.

Inventor.

George L. Thompson

By Dayton, Poole & Brown

Atty's.

UNITED STATES PATENT OFFICE.

GEORGE L. THOMPSON, OF CHICAGO, ILLINOIS.

CURLING-IRON.

SPECIFICATION forming part of Letters Patent No. 438,295, dated October 14, 1890.

Application filed May 10, 1889. Serial No. 310,250. (No model.)

To all whom it may concern:

Be it known that I, GEORGE L. THOMPSON, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Curling-Irons; 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, which form a part of this specification.

This invention relates to an improvement in curling-irons of that class embracing a metal mandrel, a handle attached to the same, by which it may be manipulated, and a clasp for securing the hair to the mandrel.

The invention embraces improved features of construction by which the heat is prevented from passing from the body of the mandrel to the hand of the user when the mandrel is heated for use, and in other details of construction in such curling-irons.

The invention consists in the matters hereinafter described, and pointed out in the appended claims.

As shown in the accompanying drawings, Figure 1 is a side view of a curling-iron constructed in accordance with my invention. Fig. 2 is a central longitudinal section thereof. Fig. 3 is a detail face view of the clasp-handle.

As illustrated in the drawings, A is the mandrel, which is made solid and of metal, and cylindric in form, and B is the handle, which is preferably made of wood and provided with a ferrule *b*.

C is a clasp, which is made of thin or sheet metal and is convex in form, to fit the adjacent surface of the mandrel. Said clasp is pivotally connected with the mandrel by means of a pivot-rod *c*, inserted through the said mandrel and through ears *c'* *c'* on the clasp, and is provided with a handle C', the clasp being held against the mandrel by a leaf-spring C^2, secured to the mandrel near the handle and bearing outwardly upon the said handle C'. The spring is attached to the mandrel by being inserted at its end in an oblique slot *a* in the mandrel, the metal of the mandrel being hammered or otherwise closed down upon the end of the spring, so as to strongly secure the latter in place. The slot *a* is preferably so located that it is covered and concealed by the handle when the parts are assembled, as clearly shown in the drawings.

D is a plate or button of some non-metallic substance which is a poor conductor of heat—such as vegetable or natural ivory, leather, or paper—which is attached to the handle C' in position to receive the pressure of the finger in operating the clasp. The said plate or button serves to prevent any heat which may pass through the handle from burning the finger. The plate or button D may be attached to the handle in any convenient manner, the device for that purpose herein shown consisting of a rivet *d*, having a forked inner end which is inserted in the body of the button. The non-conducting plate or button D is shown but not claimed in a prior application, Serial No. 291,342, filed November 20, 1888.

In order to lessen as far as possible the passage of heat from the mandrel along the handle C' of the clasp, the said handle is provided with perforations c^2 c^2 c^2, by which the strength of the handle is not materially lessened while conductivity to heat is decreased.

In some instances the presence of the perforations in the handle may enable the non-conducting button to be dispensed with, but commonly such button will be employed, inasmuch as the handle is under some circumstances liable to become so highly heated as to be uncomfortable to or burn the fingers, even when such perforations are present.

I claim as my invention—

1. The combination of a mandrel of metal and a clasp pivoted thereto and provided with an integral handle perforated to lessen or retard the passage of heat therethrough, substantially as described.

2. The combination of a metallic mandrel, a clasp pivoted thereto and having a perforated integral handle, and a button of non-metallic material secured thereto, substantially as described.

3. The combination, with a mandrel provided with an integral shank having an oblique slot, of a clasp pivoted thereto, and a leaf-spring for actuating the clasp, secured to the mandrel by being inserted in said slot, substantially as described.

4. The combination, with a mandrel provided with an integral shank having an oblique slot,

and a handle in which said mandrel is inserted, of a clasp pivoted to the mandrel, and a leaf-spring for actuating the clasp, secured to the mandrel by being inserted at one end in said slot, which slot is covered by the handle, substantially as described.

In testimony that I claim the foregoing as my invention I affix my signature in presence of two witnesses.

GEORGE L. THOMPSON.

Witnesses:
C. CLARENCE POOLE,
HARRY COBB KENNEDY.