

Jan. 11, 1966

M. MARTINEZ-CANTULLERA PUJOL 3,228,126

ELECTRIC FLAT-IRONS

Filed May 8, 1964

2 Sheets-Sheet 1

Fig. 1

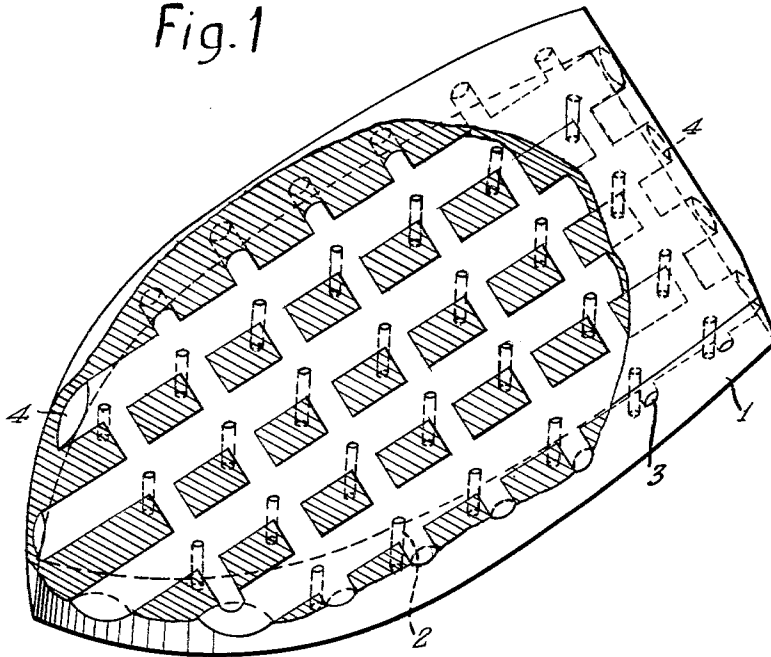
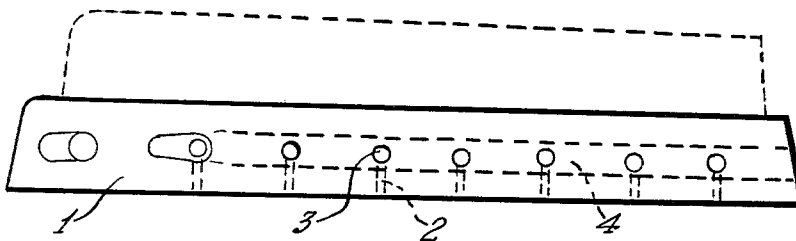


Fig. 2



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Fig. 5

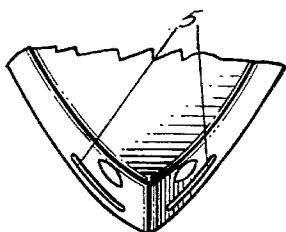


Fig. 4

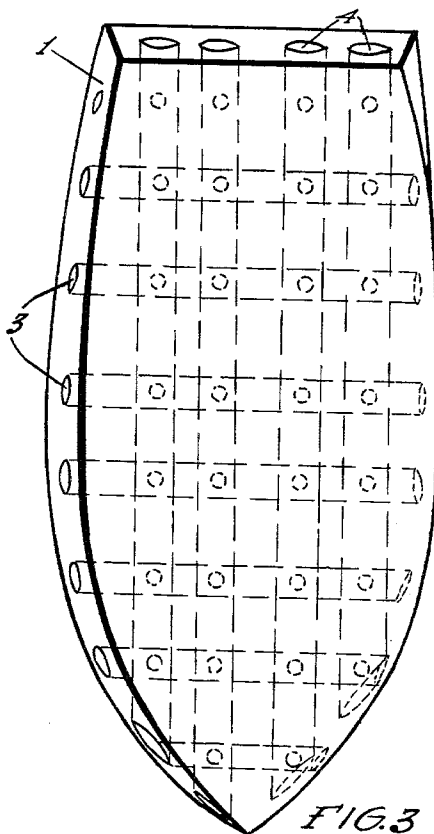
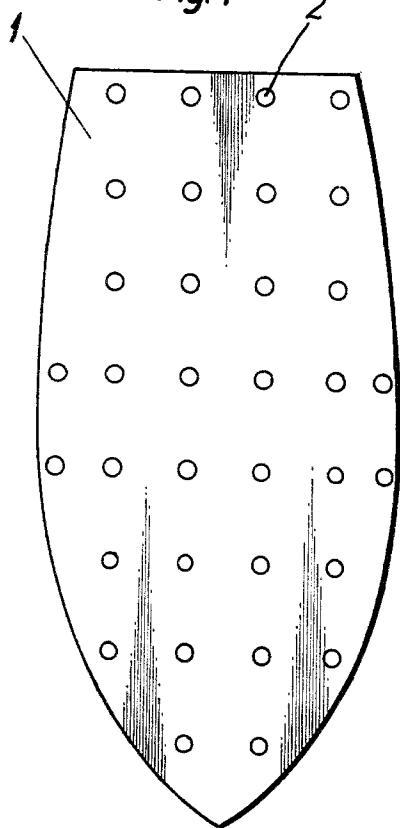


FIG. 3

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ELECTRIC FLAT-IRONS

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1 Claim. (Cl. 38—93)

The present of invention is concerned with improvements in electric flatirons as will now be described which description must always be interpreted in its widest possible sense and never restrictedly.

The object of this invention is the creation of a new type of flatiron offering special characteristics in that the vapor emitted during the ironing of the clothes is absorbed so that the articles become perfectly dry and ironed.

It is known that the clothes must be slightly damp for the ironing operation which renders this operation more laborious when ordinary types of flatirons are used as they do not allow the water contained in the garment to evaporate.

In order to obviate this inconvenience the surface of the iron has been provided with a number of perforations giving rise to a series of longitudinal and transversely arranged chambers on planes of different heights whose orifices collect the emitted vapor, avoid its condensation and facilitate its expulsion by virtue of the physical effect of convection currents.

Now more particularly referring to the accompanying drawings:

FIG. 1 is a top perspective view partly broken away showing the interior of the flatiron base plate chambers;

FIG. 2 is a side elevation of the base plate with the top of the flatiron indicated by dotted lines;

FIG. 3 is a top perspective view of the flatiron base plate with the interior chambers thereof indicated by dotted lines;

FIG. 4 is a bottom view of the present flatiron base plate; and

FIG. 5 is a partial view of the front pointed end of the base plate as viewed from the top.

Referring now more particularly to the accompanying drawing, wherein like and corresponding parts are indicated by similar reference characters, the present flatiron is of classical configuration, dimensions and materials, while it is possible to realize the constructional modifications to a normal flatiron, that are included within this invention, or to provide an ordinary flatiron with a new base plate 1 provided with the improvements herein specified in a permanent manner without altering the essential features of this patent.

Perforations 2 are provided in the face of the flatiron arranged symmetrically and equally distant the one from the next, appropriately distributed to facilitate the ab-

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sorption of the vapor provoked by the application of the hot flatiron to the damp clothes.

The vertical and interiorly communicating positions of these perforations permit said absorption, bearing in mind the specific gravity of water vapor.

Chambers 3 are situated transversely in said base plate of the flatiron arranged in a parallel position approximately at a half of the height of the iron, which chambers are in intercommunication with those corresponding to the perforations previously described.

Longitudinal chambers 4 communicate with the transverse chambers 2 and 3, said combination forming an arrangement on planes of different heights.

This combination facilitates the passage of air currents together with those of the vapor, thus creating by reason of different specific gravities an autoventilation of the interior which undertakes the expulsion of the mentioned vapor automatically.

This arrangement of chambers avoids their obstruction and oxidization.

The arrows shown on the accompanying figures theoretically indicate the possible directions of the air and water-vapor currents.

The object of the grooves being located at the front and side of the flatiron is to permit the partial housing of buttons and the like and thus to simplify the ironing operation.

I claim:

A base plate for electric flatirons comprising a pointed end iron sole plate having a flat bottom, sides, and ends and a plurality of chambers of annular cross-section extending normal to and opening in said plate flat bottom, a plurality of chambers of annular cross-sections extending longitudinally of the length of said sole plate and opening at their extremities in the ends of said sole plate, a plurality of chambers extending transversely of the width of said sole plate and opening in the sides of said sole plate, said normally extending chambers, said longitudinally extending chambers and said transversely extending chambers being in communication with one another and being situated in regular and symmetrical positions on different planes within said sole plate whereby vapor from damp clothes being ironed are evacuated through said chambers from beneath said plate flat bottom completely drying the clothes.

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