June 27, 1939. C. E. BEYAR 2,164,287

ELECTRICAL FLATIRON

Filed Feb. 7, 1938

Fig. 1.

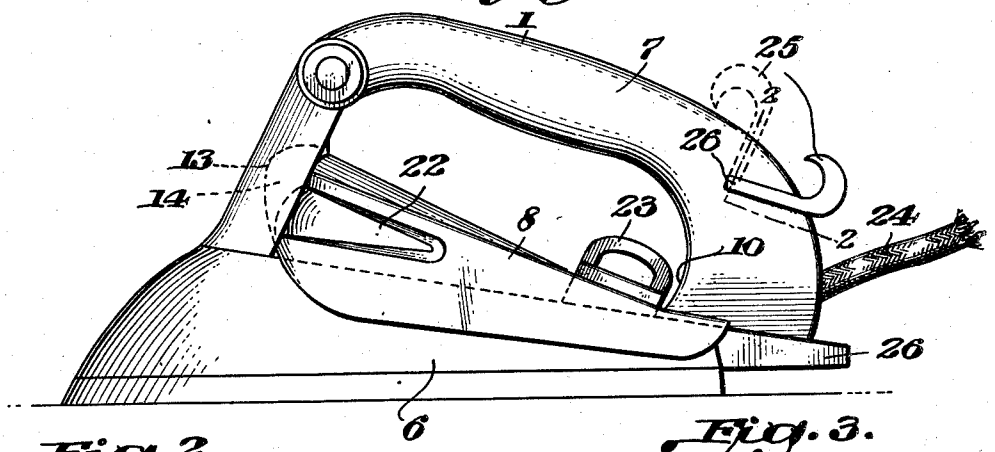


Fig. 2.

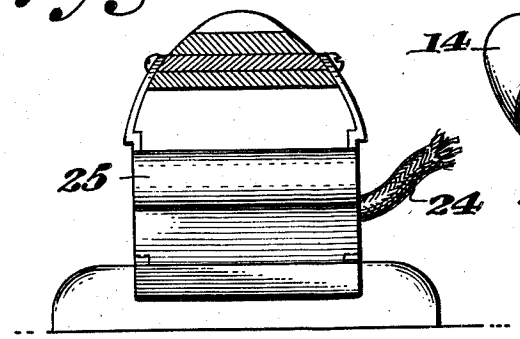


Fig. 3.

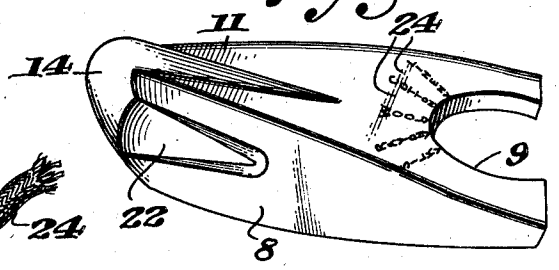


Fig. 4.

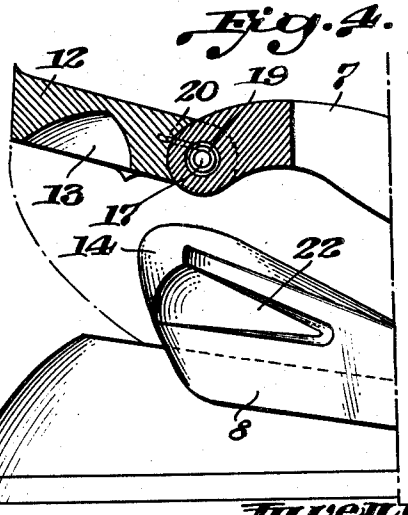
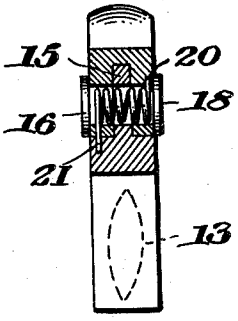


Fig. 5.



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ELECTRICAL FLATIRON

Charles E. Beyar, Brooklyn, N. Y.

Application February 7, 1938, Serial No. 189,267

5 Claims. (Cl. 38—98)

The present invention relates to flat-irons and consists in the combination and arrangements of elements hereinafter described and particularly set forth in the accompanying claims.

With the present types of flat-iron, either electrical or otherwise, there is no way for selecting a particular iron appropriate to the material in hand other than by having several such irons of different weights and taking therefrom the particular one desired, i. e., the one of proper size and obviously to do this necessitates the possession of several irons and keeping the same readily at hand and otherwise in condition for use. To overcome these disadvantages, and also to avoid the unnecessary cost involved, it is herein proposed to provide a flat-iron with a plurality of auxiliary or supplemental weight elements which may be selectively fitted to the primary iron in accordance with the particular material to be pressed. That is to say the present invention has for its essential objective to produce a single flat-iron having associated means whereby to adequately serve the purpose of several independent irons, and all at appreciably small cost and adapted for convenient use.

The invention is shown by way of illustration in the accompanying drawing herein:

Figure 1 is a side elevational view showing the invention as applied to an electric flat-iron.

Figure 2 is a transverse sectional view thereof.

Figure 3 is a detail view showing one of the supplemental or auxiliary weights.

Figure 4 is a detail view of the handle arrangement for holding one or more of the supplemental weights in applied position; and

Figure 5 is a sectional view of the construction of joint between the handle and its movable part.

Referring to the construction in further detail and wherein like reference characters designate corresponding parts in the different views shown, 6 indicates the weight or body portion of an ordinary flat-iron, electrical or otherwise, and 7 is the handle thereof. The parts herein are shown of usual or conventional design though it will be understood of course that the invention is equally applicable to irons of any other type, whether electrical, fire heated, or otherwise.

The invention resides essentially in providing one or more supplemental weights, or selective units 8, of approved design adapted for readily fitting to the iron proper 6 and secured thereon by the handle 7. And in the arrangement shown herein the supplemental unit 8 generally simulates the main iron portions 6 and therewith gives the desired effect of a single or unitary structure.

The body 8 is recessed, as at 9, to receive or embrace the rear portion 10 of the handle after the manner shown in Figures 1 and 3, and the shape or form of each member is such that the heavier or forward part 11 thereof is located precisely at the fore end of the iron or base portion 6. Otherwise each member 8 is shaped in accordance with said base portion 6 as will be observed.

The means employed for securing the weight member 8 in applied position consists of a hinged or movable part 12 of the handle 7 that is formed with a recess or cavity 13 designed to closely receive the complementary shaped part 14 that projects forwardly of the weight 8 as shown in Figures 1 and 4. Thus with this arrangement, together with the rear engagement 9—10 of the handle, it will be obvious that said weight 8 is securely held in position and both weight elements 6 and 8 thus assembled constitute a single and unitary article.

The connection between the handle portions 7 and 12 consists of tongue and groove members 15 and 16 (Figure 5) receiving a pintle or swivel 17 having end disc members 18, and a tension spring 19 has its ends 20 and 21 engaging the handle members 7 and 12; thereby the handle securing elements 13 and 14 are maintained in close frictional engagement.

The weight element is also further provided with cutaway or recess side portions 22 for convenience in handling, and the extent of said cutaway or recessed portion 9 is sufficient or large enough to receive the thermostat key 23. And the section 8 is suitably marked, as at 24, to indicate the degree for which the current should be set when the device is applied to an electric iron. When so fitted the usual cable or cord connection 24 is applied.

The invention further embodies a member or part 25 hingedly mounted, as at 26, on the handle 7 whereby to provide a rest or support when the flat-iron is tilted on its heel 26 as will be understood.

In the arrangement disclosed herein only one weight element 8 is shown though it will be understood that the invention contemplates using more than one such weight if desired, thus when it becomes necessary to press material such as silk, rayon or other thin fabrics, where heat is the major factor desired, a flat-iron weighing from three or four pounds is sufficient to do the work, but when pressing a material of heavy fabric such as wool, linen or worsted, where weight as

well as heat is required provision is made for applying weight to the flat-iron to bring the same to meet such necessity.

It will be understood the invention as herein disclosed is not limited to the details of construction shown and described, and that these may be varied widely without departing from the spirit of the invention as defined by the claims.

What is claimed as new is:

1. A flat-iron comprising a weighted body portion, a supplemental weight portion thereon, and a handle; said handle having a hinged part formed with a recess adapted to receive one end of the supplemental weight portion to hold the same from lateral movement, substantially as set forth.

2. A flat-iron comprising a weighted body portion, a supplemental weight portion thereon, and a handle; the supplemental portion formed with a recess and a projecting part at its respective ends, said recess adapted to receive a portion of the handle, and said handle having a part movable with respect thereto and provided with a recess adapted to engage the projection of the supplemental portion, substantially as set forth.

3. A flat-iron comprising a weighted body portion, a pointed supplemental weight portion, and a handle; said handle having a movable and recessed part adapted to engage with the point of the supplemental portion and hold the same from lateral movement when in operative position, substantially as set forth.

4. A flat-iron comprising a weighted body portion, a supplemental weight portion, a handle; said handle having a pivoted part formed with a recess adapted to engage with an end of the supplemental portion, and a tensioning spring for said pivoted part urging same into engagement with said end, and means to hold the other end of said supplemental portion whereby to hold the weight in operative position, substantially as set forth.

5. A flat-iron comprising a weighted body portion, a supplemental weight portion provided with a recess at one end, adapted to engage a projection on said body portion, and a handle having a pivoted and recessed portion adapted to receive the other end of said supplemental portion and secure the same in operative position, substantially as set forth.

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