

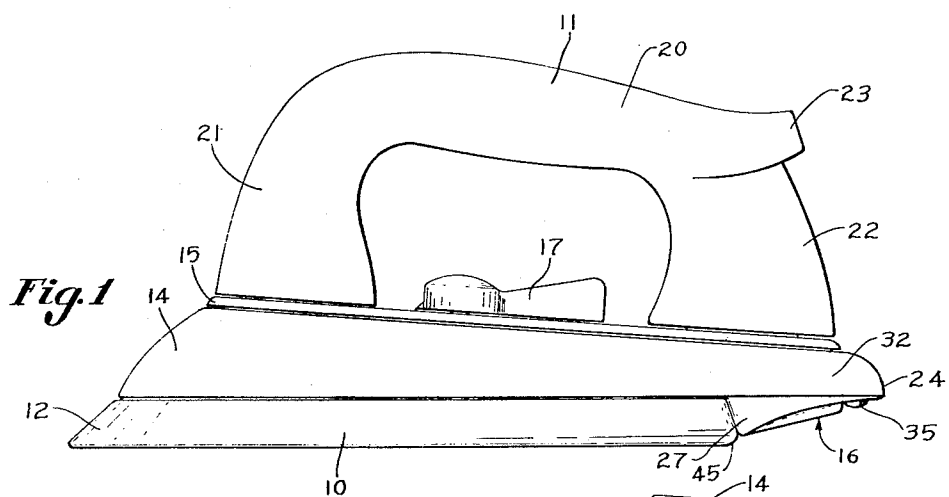
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E. A. WEILAND

**2,530,672**

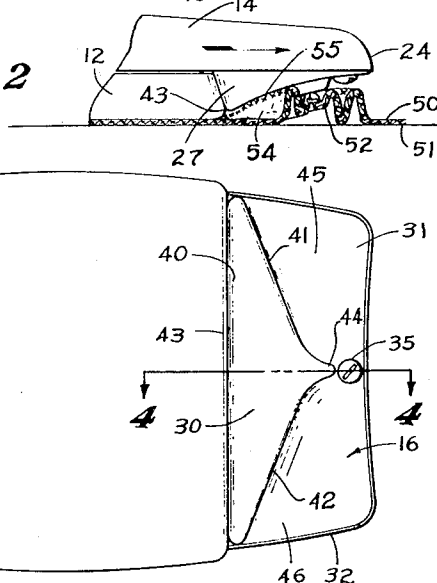
# IRONING SURFACE FOR ELECTRIC IRONS

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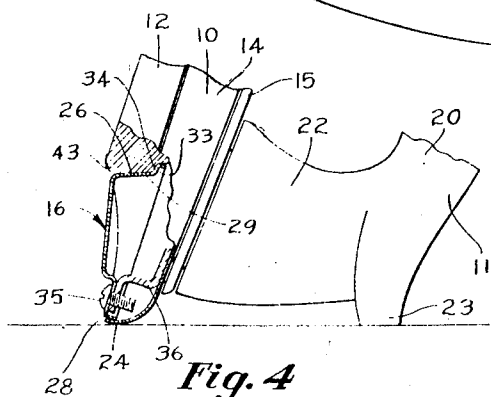


*Fig.1*

*Fig.2*



*Fig.3*



<sup>6</sup>*Fig. 4*

INVENTOR.

*Edward A. Weiland*

**BY**

BY  
*Harry S. Deacons*  
ATTORNEY

ATTORNEY

## UNITED STATES PATENT OFFICE

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## IRONING SURFACE FOR ELECTRIC IRONS

Edward August Weiland, Garfield Heights, Ohio,  
 assignor to The Hoover Company, North Canton,  
 Ohio, a corporation of Ohio

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3 Claims. (Cl. 38—79)

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The present invention relates in general to irons and more particularly to an attachment for removing wrinkles in the material being ironed.

An object of the invention is to provide a new and improved iron. Another object is to provide an iron having a device for removing wrinkles in the material as the latter is being ironed. A further object is to provide an iron having a device for removing wrinkles in the material being ironed and also forming an iron rest. Other objects and advantages of the invention will be apparent from the following specification and drawing, wherein:

Figure 1 is a side elevation of the iron;

Figure 2 is an elevational view of the wrinkle eliminator engaging the material being ironed;

Figure 3 is a bottom plan view of the iron, and

Figure 4 is a section along the line 4—4 of Figure 3.

The embodiment of the invention herein disclosed comprises an iron body 10 and a handle 11. The body 10 includes a sole plate 12 having an ironing surface 13, a cover shell 14, a cooling fin 15 spaced from the cover shell 14 and a wrinkle eliminator 16. Within the cover shell 14 is an unshown heating element and a thermostat device which is controlled by an adjusting lever 17 projecting above the cooling fin 15. The handle 11 is formed of molded insulation material capable of withstanding ironing temperatures and includes a hand grip 20 spaced from the cooling fin 15 by a front support 21 and a rear support 22. A portion 23 of the hand grip 20 extends beyond the rear support 22 and cooperates with the extreme end 24 of the cover shell 14 to provide a rest for the iron.

The wrinkle eliminating device 16 is disposed between the rear wall 26 of the sole plate 12 and beneath that portion of the cover shell 14 which overhangs the sole plate, and includes a pair of opposed side walls 27, a front wall 28, and a rear wall 29 and two body portions 30 and 31 which engage the material to be ironed. The marginal edges of the side walls 27 and front wall 28 are nested within the depending side wall 32 of the cover shell 14, while the rear wall 29 abuts the rear wall 26 of the sole plate 12 and is provided with a flange 33 which seats on a shoulder 34 in the sole plate. A screw 35 extends through the body portion 31 and is threaded into a bracket 36 welded to the top wall of the cover shell 14 to removably attach the wrinkle eliminator 16 to the iron. The wrinkle eliminating device 16 is attached to the iron by seating the flange 33 on the shoulder 34 and threading the screw 35 into

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the bracket 36. In order to reinforce and stabilize the cover shell 14 when it acts as a rest, the side walls 27 and the front wall 28 of the device 16 firmly abut the depending wall 32 of the cover shell 14, while the rear wall 29 abuts the sole plate 12 and thus the wrinkle eliminating device 16 forms a part of the iron rest.

Body portions 30 and 31 are provided to smooth wrinkles from the material being ironed. The body portion 30 is substantially triangular in shape as indicated by the lines 40, 41, and 42 and is disposed in a plane inclined upwardly and rearwardly from the rear corner 43 of the sole plate 12 and terminates at the apex in a pointed end 44. The other body portion 31 is slightly concaved with respect to the body portion 30 and has portions 45 and 46 disposed respectively on opposite sides of the lines 41 and 42, and are spaced upwardly from the body portion 30 to engage the material being ironed at a higher elevation.

In operation, the material 50 to be ironed is placed upon an ironing board 51 and the iron is moved rearwardly as indicated by the arrow in Figure 2. The apex 44 of the lower triangular body portion 30 first contacts the folds or wrinkles 52 in the material 50 and as the iron is moved along the material the downwardly diverging marginal walls 41 and 42 of the triangular body portion 30 engage the folds or wrinkles 52 to spread the latter into a smooth unwrinkled surface 54 over which the surface of the body portion 30 and the surface 13 of the sole plate then pass to iron the material. The wrinkles 55 which are initially beneath the concaved portions 45 and 46 also come in contact with the diverging marginal side walls 41 and 42 of the body portion 30 and pass underneath the latter into contact with the downwardly inclined body portion 30 which removes the wrinkles 55 prior to the sole plate 12 passing over the material.

I claim:

1. An iron comprising, a sole plate having a pressing face for material to be ironed, a cover shell projecting beyond one end of said sole plate, means disposed between said one end of said sole plate and said cover shell, said means having a first and second surface for engaging the material being ironed, said first surface extending upwardly from said one end of said sole plate to an apex beneath said cover shell, said second surface bounding a portion of said first surface and extending from said apex toward said one end of said sole plate, said surfaces having portions thereof at different elevations with respect

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to each other for engagement with different elevated portions of the material being ironed.

2. An iron comprising a sole plate having a pressing face for material to be ironed, means adjacent said sole plate and having a first and second surface for engaging the material to be ironed, said first surface extending upwardly from said sole plate to an apex, said second surface bounding a portion of said first surface and extending from said apex toward said sole plate, 10 said surfaces having portions thereof at different elevations with respect to each other for engagement with different elevated portions of the material being ironed.

3. An iron comprising a sole plate having a pressing face for material to be ironed, means 15 adjacent said sole plate and having a first and second surface for engaging the material to be ironed, said first surface extending upwardly

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from said sole plate to an apex, said second surface bounding a portion of said first surface and extending from said apex toward said sole plate, said surfaces having portions thereof at different elevations with respect to each other for engagement with different elevated portions of the material being ironed, said means acting as an iron rest when said iron is upended on said means.

EDWARD AUGUST WEILAND.

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