Sept. 13, 1949. S. PILATO 2,481,869

IRON HOLDER

Filed July 11, 1946

Fig. 1.

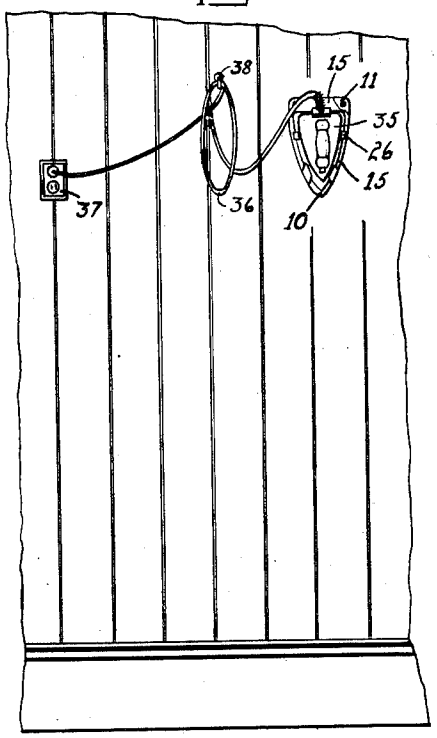


Fig. 2.

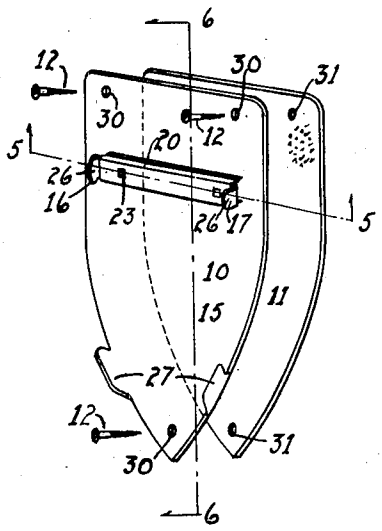


Fig. 3.

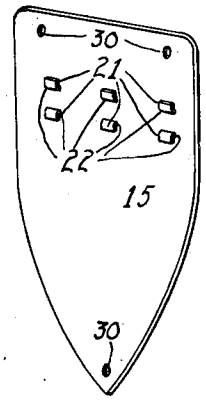


Fig. 5.

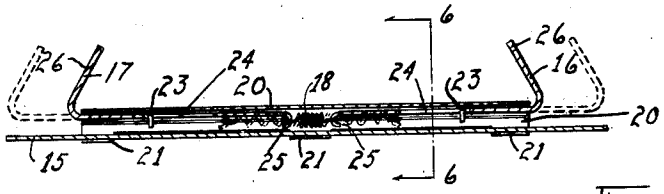


Fig. 6.

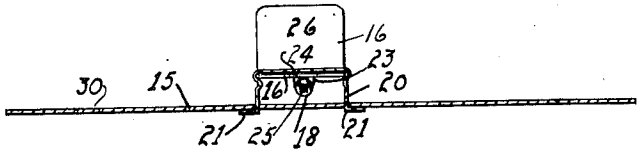
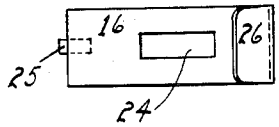


Fig. 4.



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IRON HOLDER

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Application July 11, 1946, Serial No. 682,865

5 Claims. (Cl. 248—117.7)

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This invention relates to iron holders, and particularly to holders for electric and other types of sadirons.

An object of the invention is the provision of convenient and safe means for holding an iron when it is not in use.

A more specific object is the provision of means for holding an iron out of the reach of small children and away from other dangerous positions.

A further object is the provision of simple, effective and economical iron holding means.

The hazard of using a hot iron in homes with small children has long been recognized, and various inconvenient precautions have been resorted to to avoid the danger of a child being burned by touching an iron while it is laid down between the ironing of different garments, and when it is laid down to cool after ironing. Among these precautions are shutting the child out of the kitchen or laundry, or placing the iron on some high piece of furniture where it may inadvertently contact on an inflammable object which is out of sight. The old-fashioned practice of putting the iron on the back of the stove has for a number of years been less and less practical in view of the general use of electric irons and of the use of modern gas and electric stoves. In addition, there is a need for a simple and effective iron holder.

In spite of the long-continued need for an iron holder which will satisfy the requirements of the foregoing conditions, the housewife is still forced to rely on haphazard or inconvenient precautions to assure safety and convenience while ironing.

With the foregoing, and other considerations in view, the present invention contemplates the provision of an iron holder which is adapted to be placed on a wall so as to be readily accessible to the housewife or other person using the iron and at the same time inaccessible to children, and into which an iron may be placed with the utmost ease and which will hold an iron effectively and positively.

The invention accordingly comprises an article of manufacture possessing the features, properties, and the relation of elements which will be exemplified in the articles hereinafter described and the scope of the application of which will be indicated in the claims.

For a fuller understanding of the nature and objects of the invention, reference should be had to the following detailed description taken in connection with the accompanying drawings, in which:

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Figure 1 is a side view of a portion of a kitchen wall showing a device embodying the invention in use;

Fig. 2 is a perspective view in disassembled form of an assembly embodying the invention;

Fig. 3 is a rear view of the device;

Fig. 4 is a front view of one of the clamping elements;

Fig. 5 is a sectional view along the line 5—5 of Fig. 2 showing the clamping elements and the spring joining the same; and

Fig. 6 is a fragmentary sectional view along the line 6—6 of Fig. 2.

The exemplified form of construction provides an assembly which when in use on a wall will serve to hold a hot iron and to protect the wall therefrom. This assembly comprises an iron holding device 10 embodying the invention, a heat-insulating plate 11 which may desirably be formed of asbestos, and securing means exemplified by the screws 12. The iron holding device 10 comprises a plate 15 which is conveniently formed of sheet metal, a pair of spreadable clamping members 16 and 17 normally drawn together by a spring 18, and an inverted trough 20 providing a track for the clamping members. The clamping members and the track member 20 are preferably formed of sheet metal, the rear surface of the track member 20 being formed with rearward lugs 21 which extend through slots 22 in the plate 15 and are bent over to hold the track member securely in place. In the front surface of the track member there are formed lugs 23 which extend into slots 24 in the clamping members and serve as stops to limit the relative movement thereof. The clamping members have rearwardly-pressed lugs 25 to which the ends of the spring 18 are secured, and inwardly-bent upstanding 26 ends adapted to embrace the sides of an iron. The plate 15 is formed with lugs 27 adapted to embrace the pointed end of the iron.

The plate 15 is formed with holes 30, and the asbestos plate 11 is formed with holes 31 for the reception of the screws 12. The assembly may be readily put on a wall of a kitchen, laundry, closet, or other room by inserting the screws 12 in the holes 30 and 31 and screwing them into the wall or into any of the many devices commonly employed as seats for screws at the rear of the wall. The arrangement is well adapted to be put on a door or other movable portion of a wall. It may be secured to wood, plaster, or other wall portions. Any desired sort of fastening means may be employed in accordance with the invention in its broader aspects, and the device

10 may itself be hung in spaced relation to a wall in any of a variety of desirable manners.

The iron-holder should for normal use be at least four feet from the floor and generally five or six feet so as to be safe from a reaching child but should be low enough so that the housewife or other user can conveniently put it in place.

In operation an iron 35 may be slid point-down between the members 25 and 26. No other operation is necessary than to insert the pointed part of the iron between these members. The weight of the iron itself will force the members apart against the tension of the spring 18 as the downward movement of the iron carries it toward the lugs 26. The iron is then held securely in place until it needs to be used. The iron 35 exemplified is an electric iron with a cord 36 which may extend to a plug-socket 37 in suitable relationship with the device 15 so that the cord will be loose enough to permit ready insertion of the iron. A hook 38 or other means for holding up the cord may be provided. The iron may thus be kept hot for any desired length of time without danger to children, or to dogs or cats; and without any likelihood of scorching, burning, or setting fire to the room or any of its contents. The holder is adapted to retain irons of a variety of sizes.

I claim:

1. An iron holder comprising a plate having converging sides which come substantially to a point at one end so as to conform generally with the ironing surface of an iron, means on said plate for use in securing the plate to a wall, a clamping-element track secured to said plate, clamping-elements moveable in said track and resiliently urged together, means on said clamping-elements to grip and support the sides of an iron, and projecting means near the point where the sides of the plate converge to support the pointed end of the iron.

2. An iron-holding assembly comprising a plate, screw holes in said plate, an asbestos sheet, screw holes in said sheet, said plate and said sheet conforming generally to the contour of the ironing surface of an iron, screws adapted to extend through said screw holes to secure said plate and said sheet on a wall, a clamping-element track secured to said plate, clamping elements moveable in said track and resiliently urged together, means on said clamping-element to grip and support the sides of an iron, and means to support the pointed end of the iron.

3. An iron holder comprising a plate shaped to conform generally with the contour of the ironing surface of an iron, screw holes in said plate, two rows of slots located substantially centrally in said plate, an inverted trough-like member having lugs extending through at least certain of said slots and bent over to hold the trough-like member in place, and clamping members in the hollow of the trough-like member and having upstanding portions with permanently inturned interior surfaces adapted to clamp and support the sides of an iron therebetween.

4. An iron holder comprising a plate shaped to conform generally with the contour of the ironing surface of an iron, screw holes in said plate, two rows of slots located substantially centrally in said plate, an inverted trough-like member having lugs extending through at least certain of said slots and bent over to hold the trough-like member in place, clamping members in the hollow of the trough-like member and having upstanding portions with permanently inturned interior surfaces adapted to clamp and support the sides of an iron therebetween, means to retain said clamping members in said trough-like member, and a coil spring tending to draw said clamping members toward each other.

5. An iron holder comprising a plate shaped to conform generally with the contour of the ironing surface of an iron, screw holes in said plate, two rows of slots located substantially centrally in said plate, an inverted trough-like member having lugs extending through at least certain of said slots and bent over to hold the trough-like member in place, clamping members in the hollow of the trough-like member and having upstanding portions adapted to clamp the sides of an iron therebetween, lugs pressed downwardly from the forward surface of said inverted trough-like member and serving as stops to limit the movement of said clamping members, and a coil spring adapted to draw said clamping members together.

SALVATORE PILATO.

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