ELECTRIC CORD HOLDER FOR IRONING BOARDS

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1 Claim. (Cl. 248—51)

This invention relates to the use of electric sad iron, and aims to provide a novel and useful improvement for holding and guiding the electric cord of the iron in such a manner as to keep it from dragging on the floor or lying on or rubbing over the article being ironed, as well as to keep the cord from getting in the way of the laundress while she is sliding the iron to and fro over the board.

Another object of the invention is the provision of such an iron electric cord holder and guide with means for normally urging the guide to swing out of the way of the board as well as to normally tighten the cord and thereby prevent sagging or drooping of the cord.

A still further object is the provision of a device as above stated, which is simple in construction and operation as well as inexpensive in cost of manufacture.

The above and other objects will become apparent in the following description, wherein characters of reference like numbered parts in the accompanying drawings. It is to be noted that the drawings are intended to serve the purpose of illustration only, and that it is neither intended nor desired to limit the invention in any manner to the specific details of construction shown excepting insofar as they may be deemed essential to the invention.

Referring briefly to the drawings:

Fig. 1 is a plan view of an ironing board having a sad iron thereon, showing the electric cord holder secured to the board and serving as a guide for the cord.

Fig. 2 is an enlarged perspective view of the same, showing the ironing board in phantom.

Fig. 3 is a side elevation of the collapsible bracket forming part of the cord holder, showing the same in fully extended and in partly collapsed condition.

Fig. 4 is a fragmentary perspective view, with parts broken away and partly in section, of the pivotal support of the vertical bracket arm of the device.

Fig. 5 is a fragmentary view of a portion of the bracket, taken on the line 5—5 of Fig. 2.

Referring in detail to the drawings, the numeral 10 indicates the top panel or board of an ironing board stand supported on the legs 11. A clamp 12 comprising a pair of horizontal jaws 13 and a yoke 14, is adapted to be secured about the edge of the board 10 at any position along the periphery of the board, by means of a set screw 15. Secured with its back against the yoke 14, is the yoke 16 of a member having spaced horizontal arms 17 extending from the yoke 16. The arms 17 are provided with vertically aligned holes or openings 19 therethrough. A post 18 extends pivotally through the upper arm 11 and the lower end thereof is of reduced diameter, as shown at 18, to provide a peripheral shoulder 21 which rests upon the lower arm 17 with the extremity of pin 20 passing pivotally through the lower hole 19. Thus, the shoulder 21 provides a seat for the post.

Rigid with and extending from the upper extremity of the post 18 is a hook or eyelet 22 in the form of approximately one turn of a helix, with the axis thereof horizontal. A bracket arm 23 is pivotally secured to the upper end of the post 18 at 24. A link 25 is pivoted at 27 intermediate the length of the arm 23, and a second link 26 is pivoted at 28 to the post 18 at a point intermediate the height of the post, and the links 25 and 26 are pivoted together at 29. A hook extension 30 on the arm 26 serves as a limit stop to prevent collapse of the brackets when in extended position, as is apparent. The extremity of the arm 23 has also a helical eyelet 31 thereon, and the axes of both eyelets 22 and 31 are in alignment and substantially parallel with the arm 23.

A diametral opening 32 is provided through the post 18 between the arms 17 of the yoke 16, and the upper end of a helical spring 33 is anchored therein. The lower end of the spring 33 is deformed into a hook 34 which is held by force of the spring against the side edge of the yoke 16. It is apparent that the spring 33 will thereby normally urge the post 18 to swing into a given position, and with proper design of the spring such position may be made the desirable one of normally urging the bracket arm 23 away from the ironing board instead of toward or over it.

The sad iron is shown at 35, its cord at 36, and the connecting plug at 37. It is apparent that the cord 36 may be readily passed through both eyelets 31 and 22, and not only do the helical eyelets permit ready insertion of the cord but they also prevent the cord from falling out after it has been passed therethrough.

As stated, the clamp 12 may be attached at any position along the edge of the board which the user may find most satisfactory. It is apparent that as the iron is moved about, the arm 23 will swing on its pivot, the post 18, following the urging of the cord 36, and whenever tension on the cord is relaxed the spring 33 will restore the arm 23 to its original position swung out from
the board, as, for instance, the outer position shown in full lines in Fig. 1.

The device may be readily removed from the board in the obvious manner of unscrewing the clamp 12, and it may then be collapsed into reduced dimensions, for storing away, by pushing the pivot 29 upward toward the pivot 24 thereby causing the arm 23 to be swung down to assume a position of approximate alignment with the post 13.

The device could of course be used without the spring 33, but in that case it would lack the advantageous feature of being normally swung away from the board.

Obviously, modifications in form and structure may be made without departing from the spirit and scope of the invention.

I claim:

A collapsible conductor supporting bracket adapted to be clamped to an ironing board comprising a removable clamp including a yoke, a member comprising a pair of spaced horizontal arms secured to said yoke and having aligned openings extending through said arms, a post-pivoted mounted in said member in said openings, a bracket arm pivoted at one end to the top of said post, said post and said bracket arm having helical eyelets on the extremities thereof, the axes of said eyelets being aligned and lying substantially parallel with said bracket arm, and means normally urging said post to swing in a direction to carry said bracket arm outward from the edge of the ironing board, said eyelets being adapted to have a sad iron cord passed therethrough, a link pivoted at one end to said arm intermediate the length of said arm, a second link pivoted at one end to said post intermediate the height of the post, the other end of said first link being pivoted to said second link near but spaced from the other end of said second link thereby providing a free extension on said second link, said extension having a hook on its extremity engageable with said first link to maintain said bracket in extended condition with said bracket arm in approximately horizontal position, said bracket being collapsible by forcing the pivotal connection between said links in an upward direction thereby causing said bracket to fold down about its pivotal connection with said post.

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