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SADIRON BASE AND CORD SUPPORT

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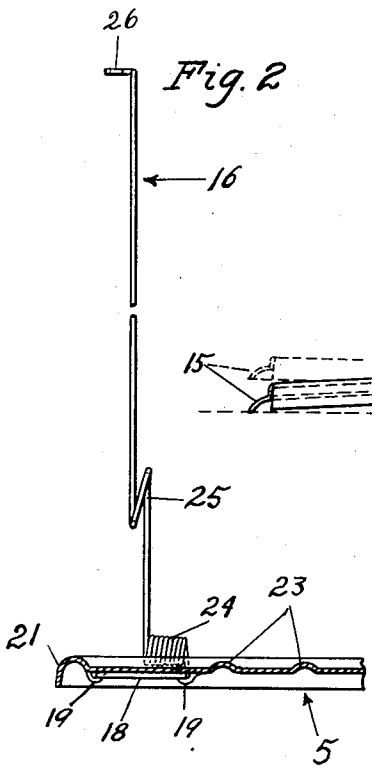


Fig. 2

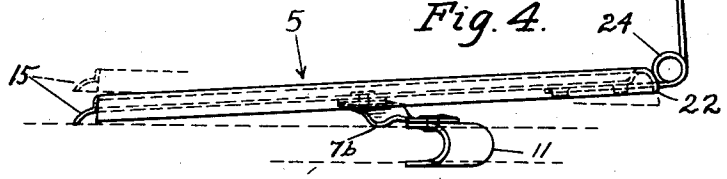


Fig. 4.

Fig. 3.

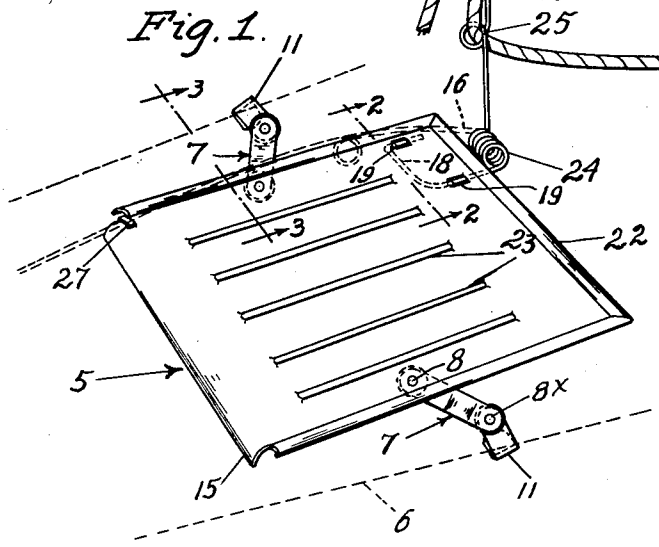


Fig. 1.

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SADIRON BASE AND CORD SUPPORT

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6 Claims. (Cl. 68—27)

This invention relates to a support for electric sadirons with which is combined a cord holder adapted to support the cord in a convenient and advantageous manner while the electric current is being supplied from said cord to said iron during use.

An object of the invention is to support the cord of electric sadirons in such an improved manner that the iron may be moved freely across the fabric to which it is being applied and yet there will be no danger of the current terminals which connect the cord with the wire being separated by the back and forth movements of the iron in the hand of the operator.

Another object of the invention is to provide an improved arrangement of the cord holder and base supporting the iron, whereby the cord holding device may be bent down to a recumbent position when the appliance is not in use, thus producing a device which occupies so little space upon the ironing board to which it is attached that the latter may readily be folded up to an inoperative position with the attachment forming no interfering obstruction.

A further object of the invention is to provide a base to support the sadiron which will automatically lift itself from the upper surface of the ironing board each time the weight of the sadiron is applied, thus maintaining itself in a cooler condition.

Other objects and advantages relate to the extreme simplicity of the device, the low cost at which it may be manufactured, and the fact that it is made of a few simple, dependable parts which it is convenient to adjust and operate and which will not be apt to get out of order.

Still other objects, advantages and features of the invention may hereinafter appear.

Referring to the accompanying drawing which illustrates what is at present deemed to be a preferred embodiment of the invention,

Fig. 1 is a perspective view of the device showing the same attached to an ironing board, the outline of which is indicated by broken lines. In this view the cord support is shown in the upright position which it assumes during use. Parts of the cord and its support are broken away to contract the view.

Fig. 2 is a vertical section of the device on line 2—2 of Fig. 1.

Fig. 3 is a sectional detail on an enlarged scale, the plane of section being indicated by the line 3—3 of Fig. 1.

Fig. 4 is a side elevation, the cord supporting device not being fully shown in this view. The position the base plate assumes when the sadiron is placed thereon is indicated in dotted lines.

Referring in detail to the drawing, 5 designates the sheet metal base upon which the sadiron may be supported during the intervals when the same is not being applied to the fabric by the operator. This base is provided with means for attaching the same to the ironing board 6, said means being shown in the drawing as the arms 7 which are pivotally secured by means of the rivets 8 to side portions of the base 5, a washer 9 preferably being interposed between the attached end of each arm 7 and the portion of the base to which it is pivotally secured. At its free ends each arm 7 has pivotally secured thereto a U-shaped stirrup or downwardly directed gripping element 11 which is preferably made of spring metal so that it may be sprung tightly over the edge portion of the ironing board.

Describing more in detail the construction and attachment of the arms 7, each of these arms is shown having straight end portions which are united by a downwardly bent or downwardly convex intermediate portion 7b, the upper portion of the arm as viewed in Fig. 3 being bent at 12 and the lower portion thereof being bent at 13 thus causing the lower end portion of the arm to occupy a lower level than the upper portion thereof. The arms 7 as well as the stirrups 11 are made of resilient material. Hence it follows that when the weight of the sadiron is removed from the sheet metal base 5, said arms spring up to the position shown in Fig. 3 and tilt the base to the position shown in Fig. 4 wherein the arcuate downwardly directed flange 15 at the left end of the device is brought into contact with the ironing board 6. When the operator replaces the iron upon the sheet metal base he will deposit it (as the base is viewed in Fig. 4) at the right hand side of the fulcrum points provided by the downwardly bent portions 7b of the arms 7 and the result will be that the base will tilt in the reverse direction until the flange or corrugation 15 at the left hand end thereof disengages the ironing board. The arms 7 will be sufficiently stiff to maintain the points of their attachment to the base in an elevated position at all times with relation to the surface of the ironing board. Therefore the base which supports the iron will always have an air space beneath it to keep it relatively cool and to prevent it from scorching the cover of the ironing board.

The support 16 for the electric cord 17 is made of a resilient wire which is attached to the base 5 and which occupies an upstanding position dur-

ing use. This wire 16 is provided with an arcuate foot portion 18 which is seated in a flatwise manner upon the base 5 and which is shown secured thereto by means of a sheet metal clip or keeper 19 through or under which the wire passes in spaced relation to its lower extremity. The lower extremity of said wire is shown passed through an aperture and thereby directed under one of the marginal corrugations 21 with which the base is desirably provided. Corrugations 23 may also be provided to strengthen the sheet metal base plate.

Between the upstanding portion of the wire 16 and its foot portion 18 said wire is shown provided with a coiled portion 24 and in spaced relation to said coiled portion the upstanding part of the wire is furnished with a loop 25 through which the electric cord 17 passes. The upper extremity of the wire 16 is deflected and provided with a hooked or cord holding portion 26. At one of its left corners as viewed in Fig. 1, the base 5 is provided with an ear or catch element 27 which is adapted to releasibly hold the wire 16 in a recumbent position, as indicated in dotted lines. The catch element 27 preferably consists of a small sheet metal ear struck up from the body portion of the base. When the wire is folded down to the recumbent position the cord holding device does not obstruct the space above the ironing board and the latter may therefore be folded or swung up to the inoperative position as is a common housekeeping practice.

In the operation of the device, after the base member has been attached to the ironing board as indicated in the drawing, the cord support 16 will be released from the catch element 27 and will thereupon spring up to its upstanding position. The electric cord 17 will then be fed through the loop 25 or it may be forced into said loop in an edgewise manner. Next the cord between the loop and the current delivery terminal (not shown) will be forced into the resilient hooked portion 26 of the wire whereupon the device will be ready for use. Owing to the resiliency of the wire 16 it will swing to and fro as the iron is moved across the fabric and will thus not interfere with the use of the iron. Furthermore the slack in the cord will be automatically taken up so that the operator will not be annoyed by the slack portion of the cord getting into the way during the manipulation of the iron.

Referring to certain details of construction, the washers 9 which are interposed between the inner ends of the arms 7 and the lower face of the base plate 5, are frictional holding members and are preferably made of a heavy felt or of fiber. They will therefore offer considerable resistance to any displacement of the attaching arms, which keep the base plate in the proper position. In addition to this, frictional holding washers 11× may be provided where the outer ends of the arms 7 are connected with the stirrup members 11, thus increasing the stability of the means for attaching the base plate to the ironing board, 8× designates the stirrup pivots.

Owing to the deflected character of the hook 26 at the top of the wire 16, the cord is supported in a more efficient manner. The deflection of the hook causes the cord to rest thereon in a manner causing the least possible wear of the cord.

I claim:

1. A sadiron support and cord holder comprising a base member, and a resilient wire attached to said base member to assume an upstanding position during use, said wire having a foot portion which is attached to the base, a coiled portion above said foot portion, said coiled portion being continued to form a portion which extends upwardly during use, and said upwardly extending portion being provided with cord holding means, said base being provided with a holding element located in spaced relation to the coil of the wire in order to releasibly hold said wire in a recumbent position with relation to said base.

2. The subject matter of claim 1 and, said base consisting of sheet metal and said holding element being an upstanding ear in spaced relation to the coil of the wire.

3. A sadiron support and cord holder comprising a sheet metal base, means to secure said base in a flatwise manner to an ironing board, and a resilient wire having a bent foot portion which seats in a flatwise manner upon said sheet metal base and is attached thereto at different points spaced apart from each other, said wire having a portion which extends upwardly from its foot portion during use and which is provided with cord holding means.

4. A sadiron support and cord holder comprising a sheet metal base, means to secure said base in a flatwise manner to an ironing board, and a resilient wire having a curved foot portion which seats in a flatwise manner upon said sheet metal base, said base having parts struck up therefrom and engaging said curved foot portion of the wire at different points to secure said wire to said base, said wire having a portion which during use extends upwardly from said base and which is provided with cord holding means.

5. In a device of the kind described, a base consisting of a plate adapted to support a sadiron, and arms attached to said base, said arms having downwardly directed portions to secure the base to the edge portions of the ironing board, said arms also having downwardly bent portions intermediate their ends thus providing fulcrum points to maintain the base in an elevated tiltable position with respect to the surface of the ironing board.

6. In a device of the kind described, the combination with a base plate adapted to support a sadiron, of a resilient arm attached to said base plate to assume an upstanding position thereabove, said arm being provided with means to hold an electric cord, and means to detachably secure said base plate to an ironing board, the latter means being resilient and tending to yieldingly tilt the base plate together with the cord supporting arm when it upstands thereabove.

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