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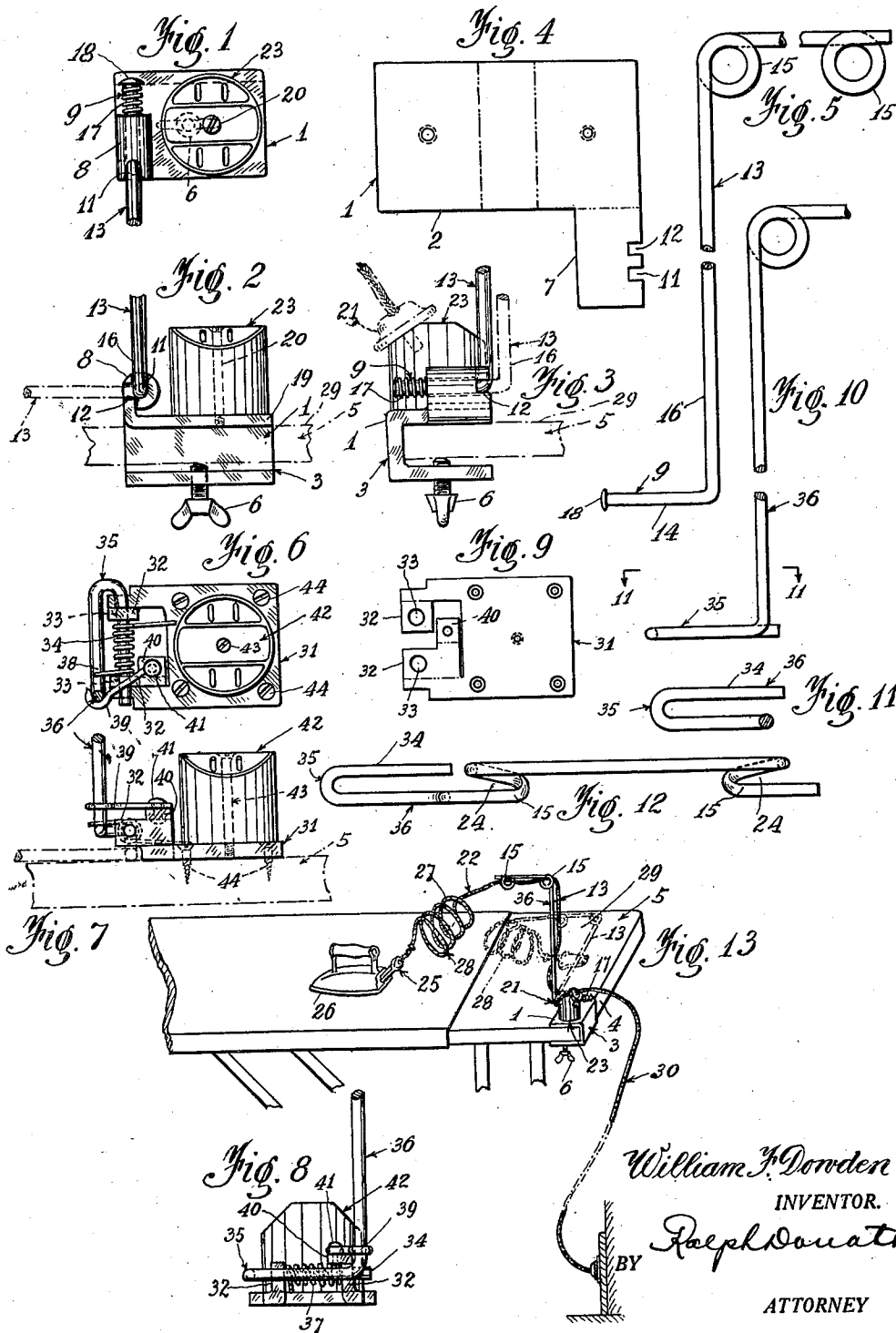
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1,999,089

MEANS FOR CONTROLLING THE CORD OF ELECTRIC IRONS

Filed March 19, 1934

2 Sheets-Sheet 1



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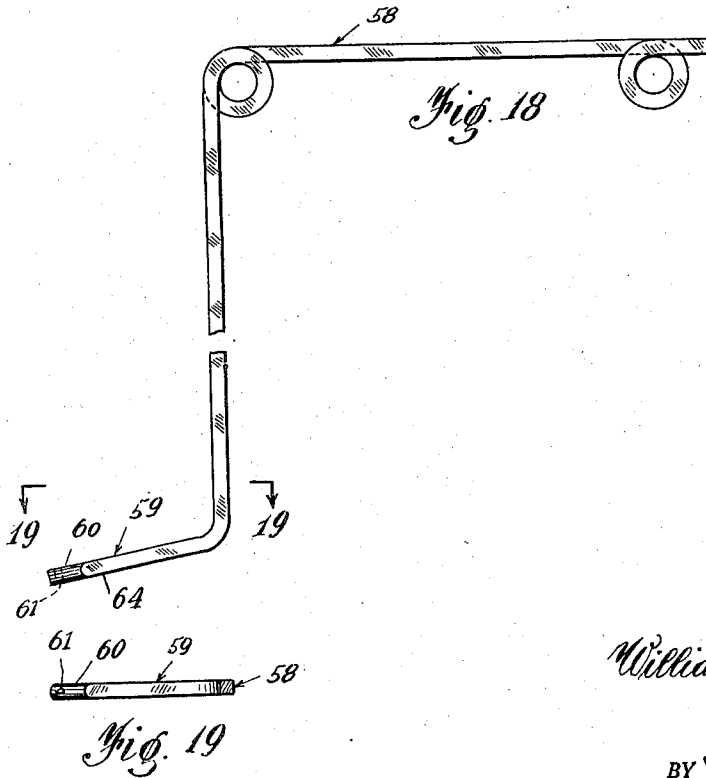
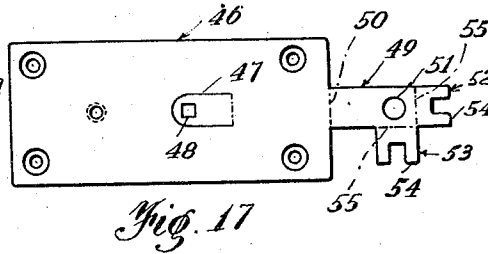
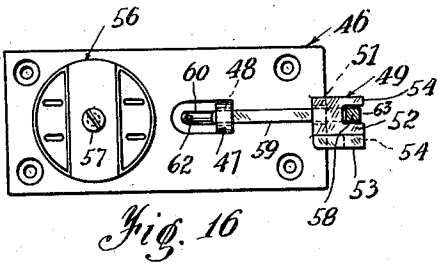
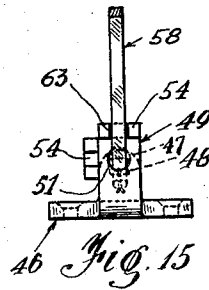
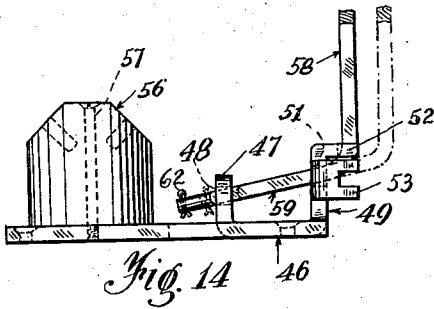
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## UNITED STATES PATENT OFFICE

1,999,089

MEANS FOR CONTROLLING THE CORD OF  
ELECTRIC IRONS

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Application March 19, 1934, Serial No. 716,338

3 Claims. (Cl. 248—30.5)

This invention relates to improvements in attachments for ironing boards which controls the electric cord connecting the electric sad iron to an electric outlet connection (commonly known as "service cord") and prevents the same from tangling, laying on the ironing board or from dragging across the clothes when ironing.

One of the objects of my invention is to provide an attachment for ironing boards which controls the service cord, which may be permanently fixed to the ironing board and which is adaptable to be conveniently folded back when not in use.

Another object of my invention is to provide simple and effective means for holding the service cord in suspended position when ironing.

Still another object of my invention is to provide a device of the character described, which permits the use of an electric sad iron within a considerable range without disturbing its electrical connections.

Other objects of my invention are to provide a device of the type specified which is simple in its construction and arrangement, durable and efficient in its use and inexpensive to manufacture.

To the accomplishment of these and such other objects as may hereinafter appear, the invention consists of the novel construction, combination and arrangement of parts herein specifically described and illustrated in the accompanying drawings wherein are shown three embodiments of the invention, but it is to be understood that changes, variations and modifications may be resorted to which come within the scope of the claims hereunto appended.

In the drawings, forming a portion of this specification, and wherein like numerals of reference designate corresponding parts throughout the several views:

Figure 1 is a top view of the device, showing part of the cord support broken away.

Figure 2 is a side elevation of Figure 1.

Figure 3 is a front elevation of Figure 1.

Figure 4 is a top view of the base plate in a developed form.

Figure 5 is a front view of the cord support. Figure 6 is a top elevation of a modified form of the device with part of the cord support broken away.

Figure 7 is a side elevation of Figure 6.

Figure 8 is a front elevation of Figure 6.

Figure 9 is a top view of the base plate as shown in Figures 6, 7 and 8 inclusive in a developed form.

Figure 10 is a front view of the cord support

as used in the modified construction illustrated in Figures 6, 7 and 8.

Figure 11 is a sectional view along line 11 in Figure 10.

Figure 12 is a top view of Figure 10.

Figure 13 is a perspective view showing the device applied to an ironing board and attached to an electric outlet connection located at the base board of a room.

Figure 14 is a front elevation of another modified form of the device, the cord support being partly broken away.

Figure 15 is a side view of Figure 14, the two-plug receptacle omitted.

Figure 16 is a top view of Figure 14.

Figure 17 shows the base plate as illustrated in Figures 14 to 16 inclusive in a developed form.

Figure 18 is a front view of the cord support as used in connection with the Figures 14 to 17 inclusive.

Figure 19 is a sectional view along line 19—19 in Figure 18.

Referring to Figures 1 to 5 inclusive, the device comprises a clamp-base-plate 1 preferably made out of one piece of sheet material which, when blanked out, has the shape of an L as best shown in Figure 4 of the drawings. The wide part 2 of said blank is bent along the two-dot and dash lines to form a substantially U shaped clamp 3 which serves as a clamping means when the device is fastened to the edge 4 of an ironing board 5 by means of a wing-bolt 6. The narrow part 7 of said blank is bent to form a hinge-knuckle 8 for the reception of the pintle end 9 of the cord support 13.

The outer edge of the hinge knuckle 8 is provided with two notches 11 and 12 (Figure 2) disposed at an angle of 90 degrees which serve as a retainer for the cord support 13, the purpose of which will be described later.

The said cord support 13 comprises a single piece of rigid wire, the lower end of which is bent to form a short pintle 14, the upper end of which is bent to form two small loops 15 placed apart as shown in Figure 5 of the drawings.

When assembling, the pintle end 9 of the cord support 13 is inserted into the hinge knuckle 8 with the upright part 16 of said cord support 13 on the notched side of said hinge knuckle 8. A helical compression spring 17 is then slipped over the free end of said pintle 9 and held in position by forming a head 18 as shown or any other suitable manner.

A two plug electric receptacle is centrally

mounted on the upper leg 19 of the clamp 3 and is held in position by means of a screw 20.

In practice, the operation of my device is as follows:

5 The device is permanently clamped on either side of the square end of an ironing board 5 (Figure 13), plug 21 of the service cord 22 is then plugged into the two-plug receptacle 23 as shown. The cord is then pinched between the gap 24 of  
10 the loop 15 of the cord support 13 and the plug 25 is inserted into the electric iron 26 in the usual manner. A coiling device 27 (not detailed), such as for instance disclosed in Patent No. 1,790,666, which is well known and obtainable in any five  
15 and ten cent store or hardware store being attached to the service cord 22 to retain the same in a coiled condition, as indicated by the numeral 28.

20 While ironing clothes, the coiled part of the cord is more or less expanded or closed, depending on the movement the electric iron travels.

Upon the completion of the ironing, the plug 25 is disconnected from the electric iron 26 and the cord support 13 is brought out of engagement of the notch 11 of hinge knuckle 8 (see Figure 3 in dot and dash lines) by taking hold and pulling forward the pintle end part of the upright portion of cord support 13, thereby compressing the helical spring 17. The said cord support 13 is then swung 90 degrees towards the top  
30 29 of the ironing board 5 to assume a position as shown in dot and dash lines in Figure 13. In that position (Figure 2 dot and dash lines) and when released, the pintle end 9 of cord support 13 automatically engages in notch 11 of hinge knuckle 8 by means of helical spring 17 and is held in that position. By placing the plug 25 directly underneath the upright portion of the cord support 13 as shown best in Figure 13 in dot  
40 and dash lines, the ironing board may now be stored away. If desired, the base board connecting cord 30 could be coiled around coil support 13 before storing ironing board.

45 In Figures 6 to 12 inclusive a somewhat modified construction of cord control is shown.

The device comprises a flat base 31, preferably punched out of a single piece of sheet material, having a pair of struck out ears 32 which are provided with opposing apertures 33 to receive one  
50 of the legs 34 of the U shaped pintle end 35 of cord support 36. A coil spring 37 is placed on said leg 34 between the ears 32, one end of said spring rests on top of leg 38 of pintle end 35 and the remaining end rests on top of the base 31.

55 The upper part of cord support 36 is of the same design as the one previously described. In order to hold said cord support in operating or upright position, a hook 39 is swingingly mounted on the struck up and bent over seat 40 and is held  
60 by means of a rivet 41.

A two-plug receptacle 42 is mounted atop the base 31 and is held in position by means of a screw 43.

65 The device is permanently mounted on the ironing board by means of wood screws 44.

In operation, the device is manipulated in a similar manner as in the construction heretofore described, with the exception that the cord support is held in its operating position by a  
70 hook 39 which embraces the lower portion of the upright part of the cord support 36.

By releasing the said hook 39, the cord support automatically springs into a position as shown in dot and dash lines in Figures 7 and 13.

75 Referring now to Figures 14 to 19 inclusive,

another modified form of my device is shown. In this construction, it will be noted that no spring is employed, otherwise the device is of similar construction as the ones previously described.

5 The modified design of the device comprises a flat base 46, preferably produced out of a single piece of sheet material, provided with a centrally positioned struck-out and vertically bent-up ear 47 which has a square aperture 48, as shown. 10

Directly opposite and in alignment with said ear 47 is an upright lug 49, formed integrally with the edge of the base 46 and bent upwardly along the dot and dash line 50, as shown in Figure 17. Said lug 49 is provided with a round  
15 aperture 51, located slightly higher than the square aperture 48 of ear 47.

The upper part of said lug 49 merges into a top extension 52 and into a side extension 53, both of which are provided with a notched end  
20 54. These extensions 52 and 53 are bent along the dot and dash lines marked 55, so as to assume a shape as shown in Figures 14 to 16 inclusive.

A two-plug electric receptacle 56 is securely 25 held in position by a screw 57.

The cord support 58 is of similar construction as those previously described and indicated on the drawings by the numerals 13 and 36, the only difference being in that the same is made from  
30 square material and the lowermost end 59 is inclined downwardly and terminates into a short rounded portion 60, which is provided with an aperture 61 for the reception of a cotter pin 62.

When assembling, the lower end 59 of cord support 58 is inserted in round aperture 51 of  
35 lug 49 and then in the square aperture 48 of ear 47 and its removal is prevented by inserting a cotter pin 62 in aperture 61.

When using the device, the cord support is in  
40 an upright or vertical position as shown in Figures 14, 15 and 16 and in engagement with notch 63 of top extension 52 of lug 49 and the lowermost square part 64 is in engagement with the square hole 48 of ear 47, and due to the inclined  
45 end 59 of cord support 58 the same is held in that position.

After the ironing is completed, the cord support 58 is manually pulled out of engagement of square hole 48 of ear 47 (see Figure 14 in dot  
50 and dash lines), turned downwardly 90 degrees and pushed back into square hole 48. With the cord support in that position, the device requires very little space and the ironing board can be stored away for future use. 55

I claim:

1. In a means for controlling the cord of electric irons and the like, comprising a cord support and a base, said base being formed out of a single piece of sheet material and having a pair of  
60 upstanding bearing lugs, one of said bearing lugs being of less elevation than the other and both adapted to pivotally engage said cord support.

2. In a means for controlling the cord of electric irons and the like, a base; a cord support comprising a short inclined pintle end, an upright and a horizontally disposed cord retainer provided with a pair of loops adapted to hold  
70 said cord between their overlapping turns; said base being formed out of a single piece of sheet material and provided with a pair of upstanding bearing lugs, each adapted to have a bearing disposed at a different level and both adapted  
75 to pivotally engage said cord support and means

for retaining said cord support in upright or folded position.

3. In a means for controlling the cord of electric irons and the like, a base; a cord support comprising a short inclined pintle end, an upright and a horizontally disposed cord retainer provided with a pair of loops adapted to hold said cord between their overlapping turns; said base being formed out of a single piece of sheet

material and provided with a pair of upstanding bearing lugs, each adapted to have a bearing disposed at a different level and both adapted to pivotally engage said cord support, means for retaining said cord support in upright or folded position, said means being integral with one of said bearing lugs.

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