Aug. 25, 1936. E. V. PIERCE 2,052,488

CORD TAKE-UP DEVICE

Filed Feb. 25, 1936

Fig. 1.

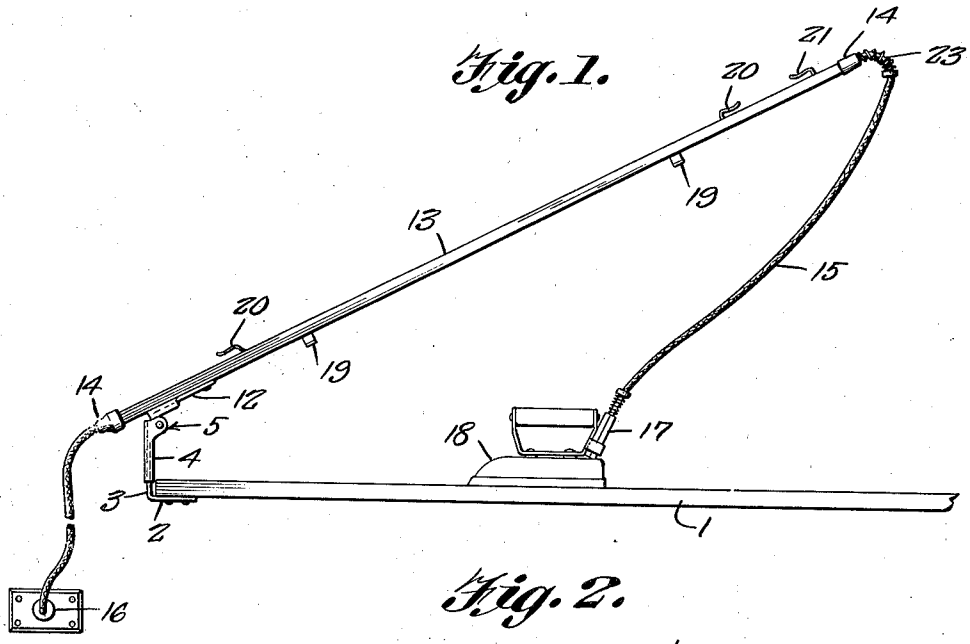


Fig. 2.

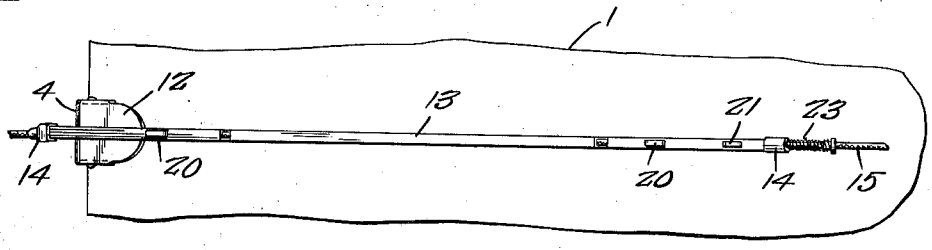


Fig. 3.

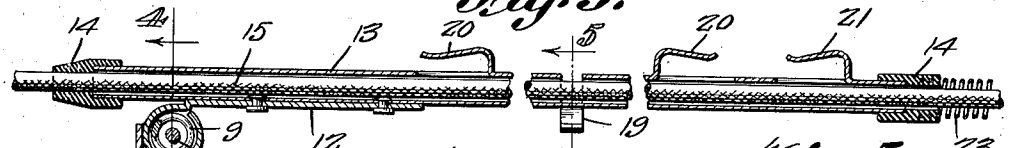


Fig. 4.

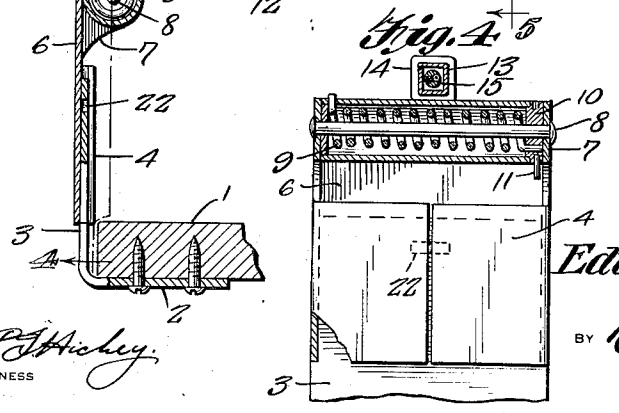
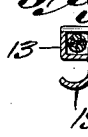


Fig. 5.



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WITNESS

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2,052,488

CORD TAKE-UP DEVICE

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Application February 25, 1936, Serial No. 65,715

2 Claims. (Cl. 248—51)

This invention relates to cord take-up devices for electrical appliances, and its general object is to provide a take-up device primarily designed for use with electric irons, to support and elevate the iron cord above the ironing board at all times when in use, yet allows the use of the iron over the entire ironing surface of the board, with the result the cord cannot become entangled or in contact with the ironing surface or articles being ironed.

A further object of the invention is to provide a cord take-up device for electric irons, that is detachably associated with the board to be secured thereto in one position when the board is in use, and in another position to occupy with the board, minimum storage space, when not in use, therefore it will be seen that the takeup device is associated with the board at all times, so that neither can be misplaced from the other.

Another object of the invention is to provide a take-up device of the character set forth, that is simple in construction, inexpensive to manufacture, and extremely efficient in use, operation and service.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawing and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is a side elevation illustrating my device in use.

Figure 2 is a fragmentary top plan view.

Figure 3 is a vertical sectional view taken therethrough.

Figure 4 is a sectional view taken approximately on line 4—4 of Figure 3, looking in the direction of the arrows.

Figure 5 is a sectional view taken approximately on line 5—5 of Figure 3, looking in the direction of the arrows.

Referring to the drawing in detail, the reference numeral 1 indicates an ironing board of the usual construction, to which is attached a bracket 2, the latter forming a part of my device and is of right angle formation with one portion secured to the underside of the board at one end thereof through the instrumentality of screws or the like, as best shown in Figure 3. The bracket is preferably formed from a flat plate, and the other portion which for distinction is indicated by the reference numeral 3 is slightly reduced to provide shoulders on the opposite side edges thereof for a purpose which will be presently apparent.

The portion 3 extends at right angles with respect to the board 1 and above the ironing surface thereof and is for the purpose of detachably receiving the socketed portion or collar 4 that is formed on one of the leaves of a spring hinge 5. The leaf 6 is provided with apertured ears 7 to receive a pintle 8, the latter extending through the barrel of the hinge and surrounding the same is a coil spring 9 disposed within the barrel and has one end anchored to the cylindrical wall of the barrel and its opposite end in a tension disk 10 for the spring through which passes the pintle and has recesses in the periphery thereof, any one of which is to receive a pin 11, with the result it will be seen that the tension of the spring 9 can be changed to effect the pressure of the hinge, as will be apparent.

The other leaf which is indicated by the reference numeral 12 is riveted or otherwise secured to a tubular member 13 that extends rearwardly beyond the hinge barrel and has caps or the like 14 secured to the ends thereof, the caps being formed from insulating material such as rubber. The tubular member is relatively long and is preferably square in cross section, but of course can be of any cross sectional shape, and is hollow throughout its length for the purpose of receiving the sheaved and insulated conductors of an appliance cord 15 that extends therethrough.

The cord 15 is of the usual construction, in that it has secured to one end a prong plug 16 and to its opposite end a socketed connector 17, the former being adapted for connection with an electrical outlet, while the socketed connector is detachably and electrically applicable to the iron 18 in the form as shown. However, the cord can be permanently fixed to the iron, but in any event is of a length to allow the iron to be used on the entire upper surface of the board and held suspended as shown in Figure 1, by my device.

The tubular member has a pair of prongs 19 cut therefrom and arranged for disposal in hook formation on the underside of the tubular member, as clearly shown in Figures 1 and 5, and these hooks or prongs 19 are for the purpose of receiving the portion of the cord that extends from the outer end of the tubular member to the iron, and I likewise provide a pair of cooperating hooks 20 extending from the upper surface of the tubular member for disposal in opposed directions, to re-

ceive the portion of the cord that extends from the inner end of the tubular member to the plug **16**, it being obvious that that portion of the cord is wrapped around the hooks **20** when the device is not in use.

A hook **21** is also secured to the tubular member, and each of the hooks **20** and **21** are preferably cut from the member and bent outwardly therefrom, as shown in Figure 3. The hook **21** is to be received in a slot **22** centrally arranged in the bracket portion **3**, when the device is not in use. In other words, when the device is to be stored, the socketed portion or collar **4** is removed from the portion **3** of the bracket. The tubular member is then reversed for disposing the hook **21** within the slot **22**, so that the member **21** can be laid flat with respect to the board, after the portion of the cord to the iron has been arranged in the hooks **19**, and the other outer portion threaded in the hooks **20**.

In order to protect the cord, at its juncture with the tubular member, I preferably provide a coiled spring means **23** that is secured to the caps by being embedded therein, as shown in Figure 3. Only one coil spring means is shown at the upper end of the tubular member. However, another may be used at the lower end thereof.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:

1. An electric cord take-up device for an electric iron and comprising rigid hollow elongated means for receiving a cord therethrough, protecting means for the cord and secured to the rigid means, spring pressed hinged means including a leaf fixed to the rigid means adjacent one end thereof, a second leaf for the hinged means and including a socket, a right angle bracket having one portion fixed to an ironing board and its other portion arranged to detachably receive the socket means for supporting the rigid means for swinging movement above the board when in operative position, hook means secured to the rigid means for detachably receiving portions of the cord when not in use, and means on the rigid means and in the bracket for cooperation with each other for detachably securing the opposite end of the rigid means to the bracket and in an inoperative position with respect to the board for holding the device and board associated when not in use.

2. An electric cord take-up device comprising tubular means for threadedly receiving a cord therethrough, adjustable spring pressed hinged means secured to said tubular means adjacent one end thereof, a bracket adapted to be fixed to an ironing board and including means for detachably receiving the hinged means for mounting the tubular means in operative position with respect to the ironing board, means on the tubular means for detachably receiving portions of the cord, said bracket having a slot therein, and a hook secured to the tubular means adjacent the opposite end thereof and to be received in the slot for detachably securing the tubular means to the bracket and in an inoperative position with respect to the board for holding the device and board associated when not in use.

EDWARD V. PIERCE.