Nov. 16, 1926. 1,606,829

T. A. EVANS

ELECTRIC IRON

Filed April 25, 1925 2 Sheets-Sheet 1

Fig. 1.

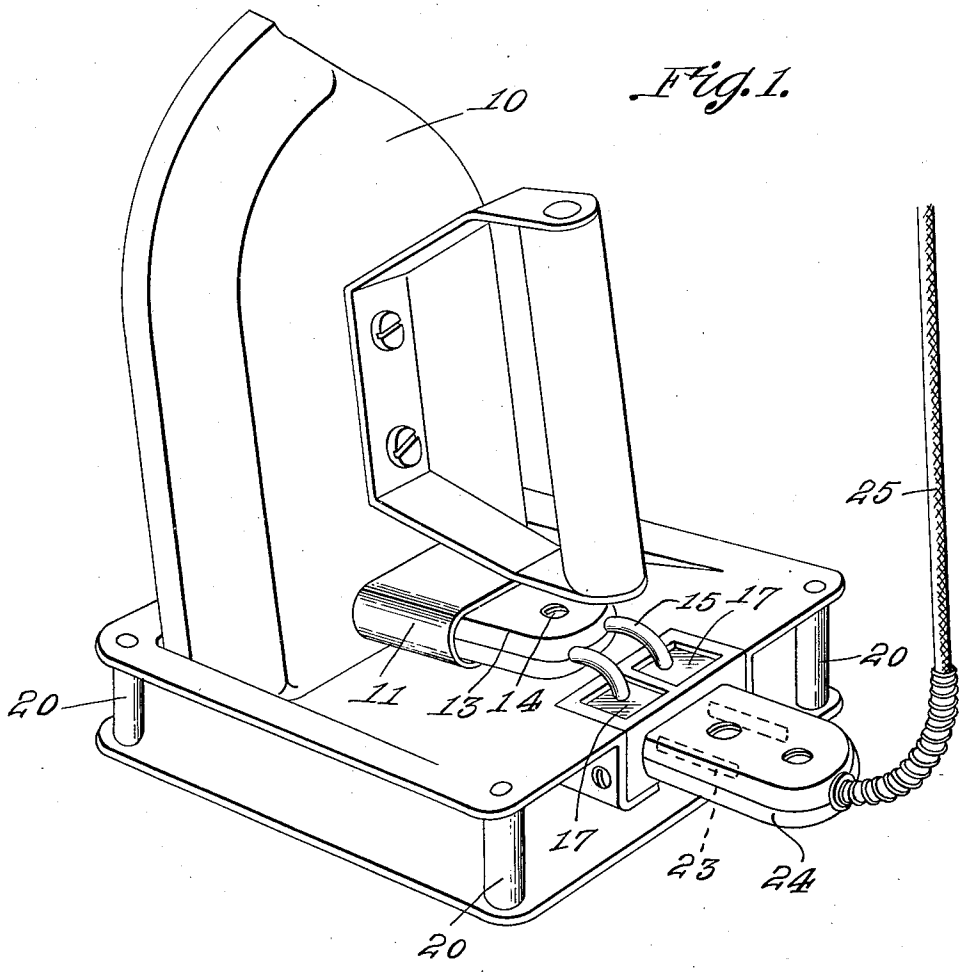
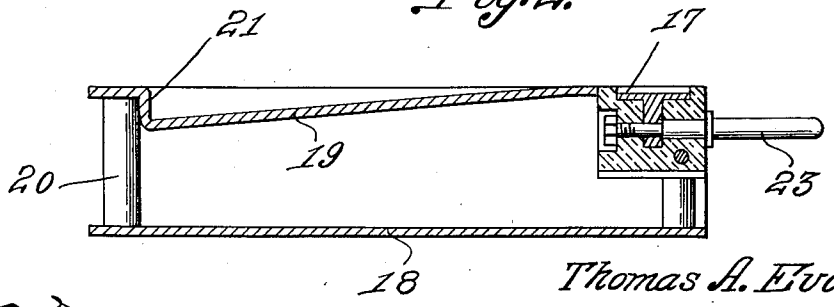


Fig. 2.



Thomas A. Evans
INVENTOR

BY Victor J. Evans
ATTORNEY

Leo Hayes
WITNESS:

Nov. 16, 1926. 1,606,829

T. A. EVANS

ELECTRIC IRON

Filed April 25, 1925 2 Sheets-Sheet 2

Fig. 3.

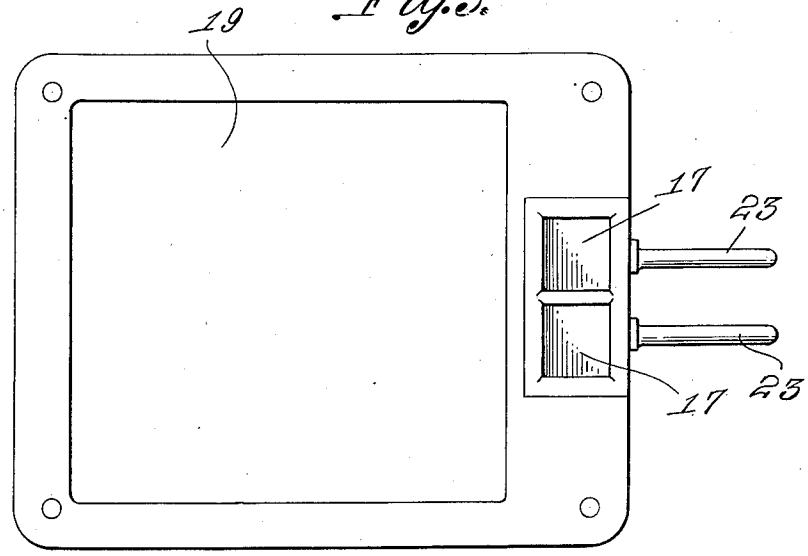


Fig. 4.

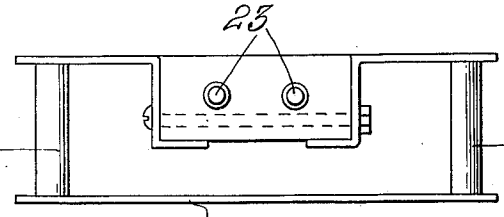
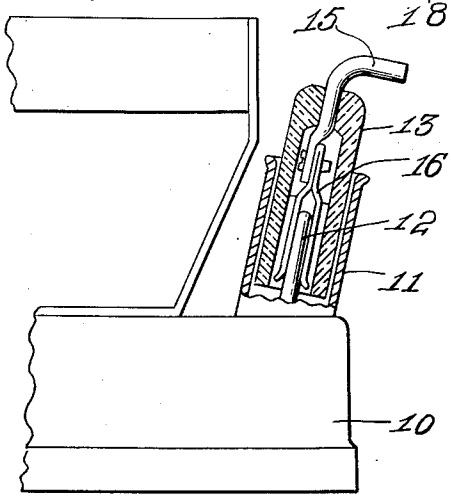


Fig. 5.



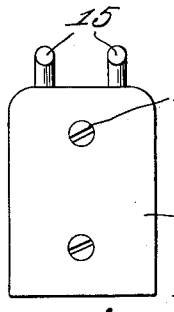


Fig. 6.

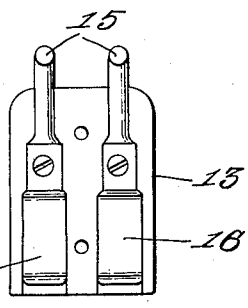


Fig. 7.

Thomas A. Evans

INVENTOR

BY Victor J. Evans

ATTORNEY

WITNESS:

Patented Nov. 16, 1926. 1,606,829

UNITED STATES PATENT OFFICE.

THOMAS A. EVANS, OF KINGSTON, PENNSYLVANIA.

ELECTRIC IRON.

Application filed April 25, 1925. Serial No. 25,886.

This invention relates to electric irons and has for its object the provision of an iron constructed to be heated when resting upon its base or support with a view of eliminating the use of wires which are usually directly connected with the iron, and frequently interfere with the use of the latter.

In carrying out the invention, it is my purpose to provide an electric iron of well known construction with a specially designed plug to complete the circuit to the iron when the latter is arranged upon its support, the support being provided with contacts arranged to cooperate with the plug.

The nature and advantages of the invention will be better understood when the following detailed description is read in connection with the accompanying drawings, the invention residing in the construction, combination and arrangement of parts as claimed.

In the drawings forming part of this application, like numerals of reference indicate similar parts in the several views, and wherein:

Figure 1 is a perspective view showing how the iron is arranged upon its base or support to be heated.

Figure 2 is a sectional view through the support.

Figure 3 is a top plan view thereof.

Figure 4 is an end elevation.

Figure 5 is a fragmentary view of the iron showing the plug in section and associated with the iron.

Figure 6 is a view in elevation of the plug.

Figure 7 is a similar view with one part of the plug removed.

Referring to the drawings in detail, 10 indicates generally an electric iron of any well known construction, which iron is provided with an upstanding socket 11 adjacent one end thereof, and in which socket projects the terminates or posts 12 forming part of the heating element arranged within the iron but not shown. The socket 11 is adapted to receive a specially constructed plug, the body portion of which is indicated at 13, this body portion is preferably made up in 2 sections as clearly illustrated in Figures 6 and 7 and which sections are secured together by means of the screws or other suitable fastening elements 14. Projecting from one end of the plug are spaced contacts 15 in the nature of curved rods or arms, the corresponding inner extremities of which are suitably secured to spring clips 16 arranged within the body portion and designed to engage the terminals or posts 12 above referred to. When the plug 13 is arranged within the socket 11 of the iron, and the latter arranged upon its support in the manner shown in Figure 1, the contacts 15 repose upon the contacts 17 of the support, whereby the iron is heated, so that when it is removed from the support it can be conveniently used without any interference frequently encountered when the wire is directly connected to the electric iron in the usual manner.

The iron support comprises a bottom or base 18 and a top portion 19, the parts being spaced and connected together by corner posts 20. Of course the support can be constructed from a single piece of material, as the support can vary in size and shape without departing from the spirit of the invention. The top 19 is arranged at an angle or inclination with respect to the bottom 18, and is formed with a shoulder or end wall 21 against which the iron is adapted to rest, when it is arranged in the manner shown in Figure 1. This iron support has associated therewith the spaced contacts 17 above referred to which are electrically connected with the post 23 the latter projecting beyond one end of the support to accommodate a plug 24 of any well known construction and which plug is carried by one end of the electric wire 25.

When it is desired to heat the iron it is only necessary to arrange the same upon the support in the manner shown in Figure 1, thereby arranging the contacts 15 in engagement with the contacts 17, and when the plug 24 is associated with the posts 23, the iron is heated when not in use, and arranged upon the support.

While it is believed that from the foregoing description, the nature and advantages of the invention will be readily apparent, I desire to have it understood that I do not limit myself to what is herein shown and described, and that such changes may be resorted to when desired as fall within the scope of what is claimed.

Having thus described the invention, I claim:

1. In combination, an iron support including spaced electrical contacts arranged

horizontally and substantially flush with the upper surface of said support, an electric iron, a vertically disposed socket rising from one end of said iron, a plug adapted to be received by said socket and including spaced contacts projecting from the upper end thereof and curved outwardly beyond the sides of the plug to engage the electrical contacts when the iron is arranged vertically upon one end as and for the purpose specified.

2. In combination, an iron support including an inclined bottom and a flange at one end thereof, spaced electrical contacts arranged adjacent the other end thereof, said contacts being arranged horizontally and substantially flush with the surface of said support, an electric iron, a socket rising from one end thereof, a plug adapted to be received by said socket and including spaced contacts projecting from one end of the plug and curved outwardly beyond the sides thereof and adapted to engage the electrical contacts of the support when the iron is arranged vertically upon one end and resting against said flange.

In testimony whereof I affix my signature.

THOMAS A. EVANS.