May 15, 1923. 1,455,205

R. J. HOVEY

ELECTRIC SADIRON

Filed Jan. 19, 1921

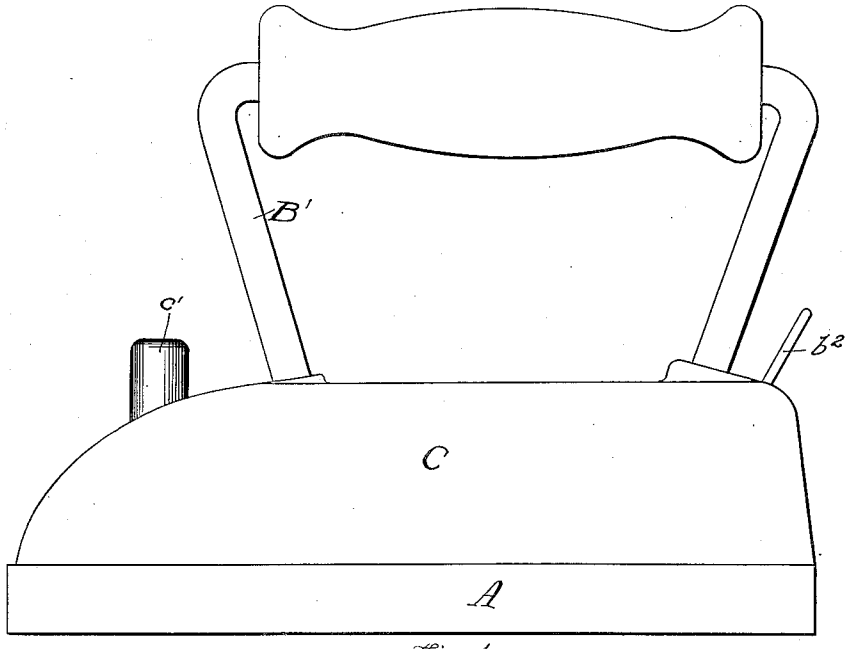


Fig. 1

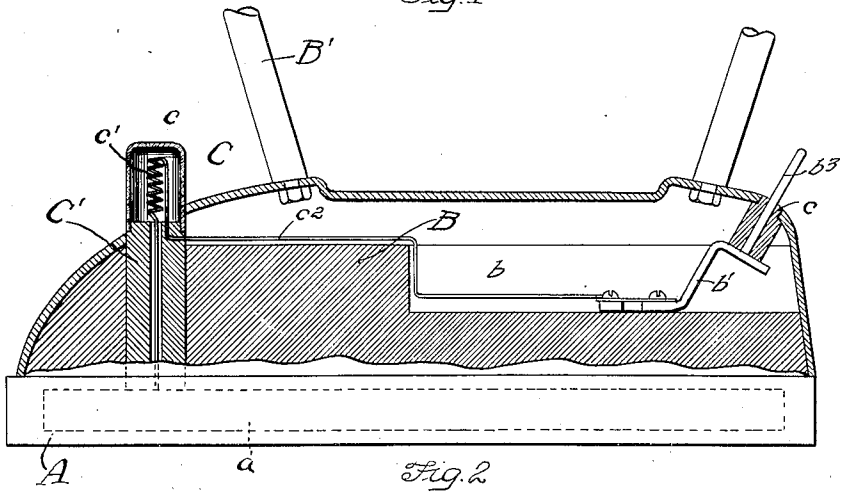


Fig. 2

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UNITED STATES PATENT OFFICE.

RALPH J. HOVEY, OF CHICAGO, ILLINOIS.

ELECTRIC SADIRON.

Application filed January 19, 1921. Serial No. 438,348.

To all whom it may concern:

Be it known that I, RALPH J. HOVEY, a citizen of the United States, residing in Chicago, Cook County, Illinois, have invented certain new and useful Improvements in Electric Sadirons, of which the following, taken in connection with the drawing, is a description.

My invention relates to sad irons, particularly to the class which are heated by an electric current passing through a coil located in the body of the iron.

The principal object of my invention is to provide an indicator conveniently located in the iron whereby it can be seen at a glance whether the current is turned on or off. Accidents frequently happen in the use of electric irons by allowing the iron to temporarily remain on the cloth to be ironed when the current is turned on. In a very short time the iron becomes heated to a point of scorching or burning the material on which it is resting thereby frequently causing the loss of the entire garment or the material.

My invention is designed to furnish a constant reminder to the user that the current is turned on, by a small indicator which I have placed, in this instance, at the forward end of the iron, although it may be located wherever desired, wherein a coil will be lighted whenever the current is passing and will be dark when the circuit is disconnected.

In the accompanying drawings I have illustrated what I now consider a form of construction embodying the essential features of my invention, the parts being assembled in a simple and efficient manner and in these drawings:—

Fig. 1 is a side elevation of an iron with my attachment applied thereon,

Fig. 2 is a longitudinal sectional view of the same.

Referring to the drawings A represents the bottom of the iron which has an electric coil *a*, which may be arranged in any well known manner. The body of the iron B is provided with a recess *b* in the rear portion thereof to which is attached a bracket *b'* which supports the terminals b^2—b^3 by means of which suitable connection may be made with a standard light socket, to a source of electrical energy.

Fitting over the body B of the iron and forming a casing therefor is a shell C provided with suitable openings *c* at the rear end thereof through which the terminals b^2—b^3 extend. Projecting upwardly from the top of this casing is a handle B' which may be of any well known construction suitable for this purpose.

C' is a sleeve formed of any suitable insulating material which is positioned within a socket formed in the forward point of the body of the iron as shown in Figure 2, and which extends through an opening in the corresponding part of the shell or casing C. Attached to the upper end of this shell or casing C is a tubular transparent member *c* which encloses an electric coil *c'* therein which has suitable electrical connections by means of the wire c^2 with the bracket member *b'* and extends down through said sleeve to the coil *a* in the bottom of the iron. When the current is turned on the coil *c'* will display a light through the transparent casing *c*, which will indicate to the user the condition of the iron. This indicator may be seen from any part of the room and will always inform the user whether or not the current is flowing through the coils so that there will not be any danger of the user placing the iron on the cloth to be pressed or ironed while the current is turned on thereby overheating the iron and scorching or burning the cloth beneath it. Whenever the current is turned off the coil is dark and the user would know that the iron is not in condition for use.

I claim:—

A sad iron having a heating coil arranged in the body thereof with suitable terminals for electrical connection projecting therefrom, a casing fitting over the body of the iron, an insulating sleeve supported in the forward point of the iron and projecting through an opening in the casing in front of the handle of the iron, a tubular transparent member supported on said sleeve, a display coil in said transparent member, said coil having suitable electrical connections with a heating coil in the iron to carry an electric current, substantially as described.

In testimony whereof I have signed this specification.

RALPH J. HOVEY.