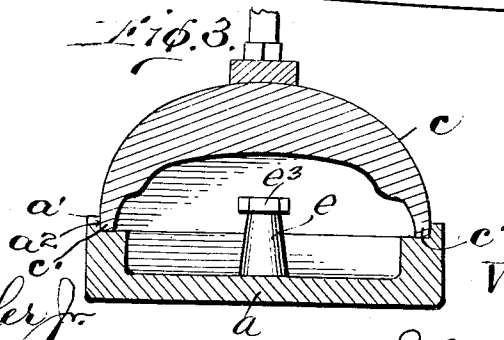
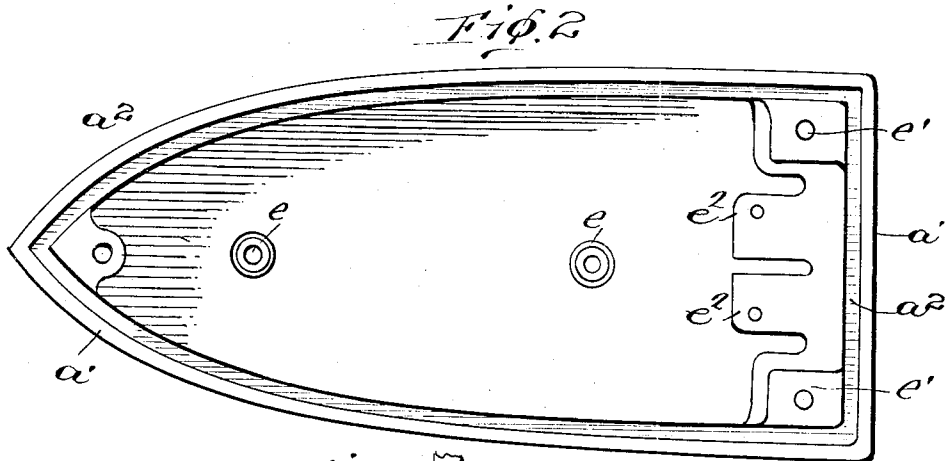
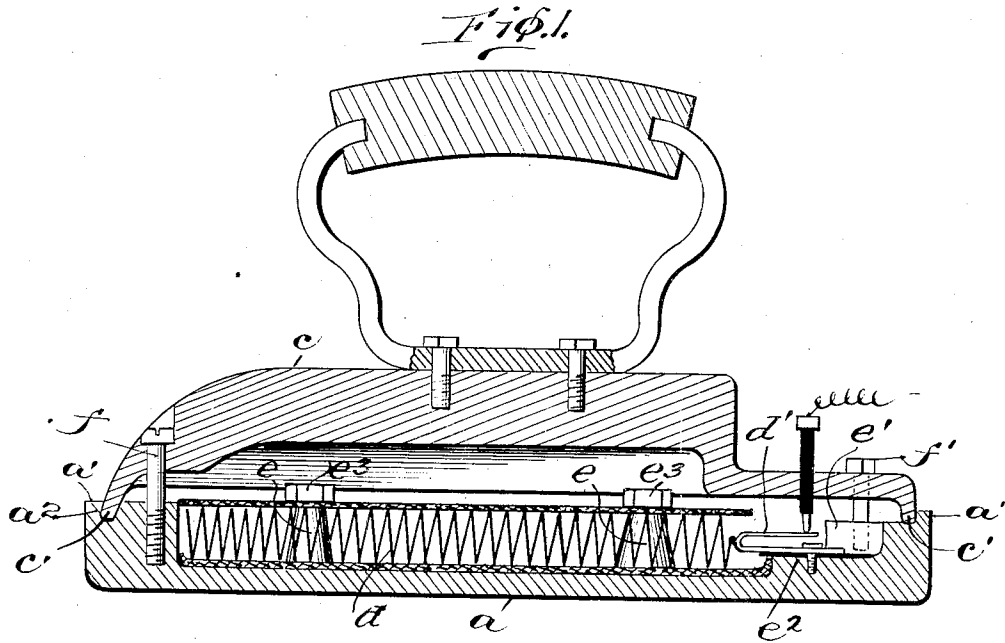


V. SCHILD.
ELECTRIC SAD IRON.
APPLICATION FILED JAN. 31, 1911.

1,029,233.

Patented June 11, 1912.



Witnesses

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VIKTOR SCHILD, OF BRIENZ, SWITZERLAND, ASSIGNOR TO JAMES WELTER, OF PASSAIC, NEW JERSEY.

ELECTRIC SAD-IRON.

1,029,233.

Specification of Letters Patent.

Patented June 11, 1912.

Application filed January 31, 1911. Serial No. 605,802.

To all whom it may concern:

Be it known that I, VIKTOR SCHILD, a citizen of the Confederation of Switzerland, residing in Brienz, Switzerland, have invented certain new and useful Improvements in Electric Sad-Irons, of which the following is a specification.

This invention relates to an improved electric sad-iron, in which a comparatively thin bottom-plate and a thick and heavy cover-plate are used so as to permit the transmission of a greater quantity of heat to the bottom-plate and of a lesser quantity to the cover-plate.

Heretofore electric sad-irons were made in which the cover-plate rested directly on a comparatively thick and heavy bottom-plate. These irons were objectionable, as too little heat was transmitted through the bottom-plate and too much heat transmitted to the cover-plate owing to the large contact surface between the same. In electric sad-irons made in one piece, too great a quantity of heat was likewise transmitted to the upper or covering portions of the same. The use of these sad-irons was comparatively expensive owing to the great heat transmission to the covering portion and the too small heat transmission to the bottom-plate.

The object of this invention is to furnish an electric sad-iron by which the defects referred to are obviated, and the invention consists of an electric sad-iron comprising a flanged bottom-plate, a cover-plate, and a heating-element supported on the bottom-plate, the bottom-plate being provided with raised center and corner-ports for the heating-element. The cover-plate rests by its thin lower edge on the recessed flange of the bottom-plate so as to form a small contact-surface with the bottom-plate, which heating-element is supported in such a manner that it does not come in contact with the cover-plate.

In the accompanying drawings, Figure 1 represents a vertical longitudinal section of my improved electric sad-iron; Fig. 2 is a top-view of the bottom-plate, and Fig. 3, a vertical transverse section.

Similar letters of reference indicate corresponding parts in the different figures of the drawings.

Referring to the drawings, *a* represents the bottom-plate and *c* the convexo-concave top or cover-plate of my electric sad-iron. The covering-plate *c* forms with the bottom-plate *a* an entirely closed body for receiving a heating-element *d* of any approved construction. The bottom-plate *a* is provided with a raised flange *a'* along its entire outer edge, as shown in Figs. 2 and 3, said flange being provided with a small recess *a²* which forms a seat for the lower tapering edge *c'* of the cover-plate *c*. The heating-element *d* is firmly held in position on the bottom-plate *a* and supported on and between raised central and corner-bosses *e*, *e'* in such a manner that neither the heating-element nor its asbestos covering-plate forms contact with the cover-plate, and its contact terminals *d'* may rest on the intermediate lugs *e²*. The bottom-plate *a* is made comparatively thin, while the cover-plate is made thick and heavy so that the greatest possible quantity of heat is transmitted through the thin bottom-plate and the least possible quantity of heat to the cover-plate, owing to the small contact-surface between the two plates. The cover-plate is attached by fastening-screws *f*, *f'* at the front and rear end to the bottom-plate *a*.

The improved electric sad-iron furnishes greatly increased heat-transmitting effects and a saving in current as compared with the sad-iron heretofore used.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

An electric sad iron comprising a bottom plate having a recessed flange on its upper edge, an arched cover plate having a dependent lip on its under side engaging said recessed flange, a heater disposed in said bottom plate out of contact with said cover plate, and means for securing said plates together.

In testimony, that I claim the foregoing as my invention, I have signed my name in presence of two subscribing witnesses.

VIKTOR SCHILD.

Witnesses:

J. SCHILD,

A. GROSSMAND.