(No Model.)

W. A. & H. E. ABBOTT.

WAXING PAD FOR SAD IRONS.

No. 456,686. Patented July 28, 1891.

Fig. 1.

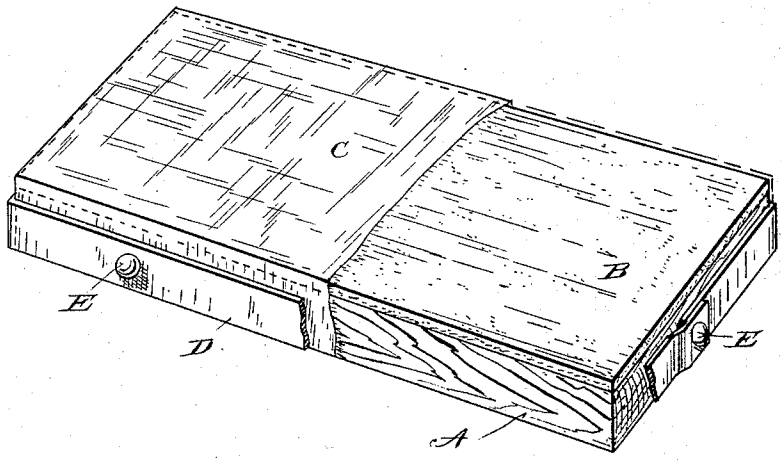


Fig. 2.

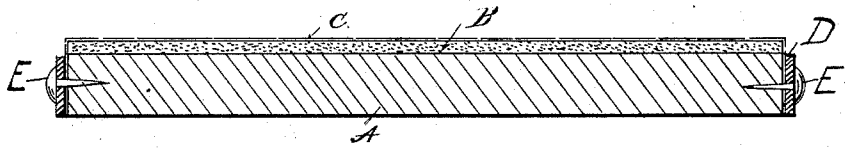
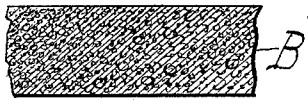


Fig. 3.



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UNITED STATES PATENT OFFICE.

WILLIAM A. ABBOTT AND HENRY E. ABBOTT, OF SPRINGFIELD, OHIO.

WAXING-PAD FOR SAD-IRONS.

SPECIFICATION forming part of Letters Patent No. 456,686, dated July 28, 1891.

Application filed February 7, 1891. Serial No. 380,588. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM A. ABBOTT and HENRY E. ABBOTT, citizens of the United States, residing at Springfield, in the county of Clark and State of Ohio, have invented certain new and useful Improvements in Waxing-Pads for Sad-Irons, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to certain new and useful improvements in waxing-pads for sad-irons; and the object of our improvements is to provide a pad adapted to exude wax under the heat of the sad-iron, and yet not readily affected in its structure by said heated iron, and whereby sufficient wax exudes to smear the iron, while the melting down and wasting of the wax is prevented.

In the accompanying drawings, forming a part of this specification, and on which like reference-letters indicate corresponding parts, Figure 1 represents a perspective view of our device with a portion of the covering removed; Fig. 2, an enlarged cross-section of the same; and Fig. 3, an enlarged view of a portion of the sheet forming the pad proper, illustrating the structure of the same.

The letter A designates a backing or base of wood or other suitable material adapted to support or carry the sheet of material B, forming the pad proper. A covering C, of fibrous or other suitable material, assists in retaining the pad proper upon its support, the said cover being secured to the base by a strip of metal D and brads E or in any other suitable manner. This pad proper is composed of wax, paraffine, or any other suitable wax or waxy material, and of a stiffening ingredient not readily affected by the action of heat, such as plaster-of-paris, cement, flour, &c. This stiffening ingredient preferably has a cohesive property adapting it to retain its structural condition when mixed with the wax, as hereinafter described. The preferred material forming the stiffening ingredient is plaster-of-paris, and the pad proper is made by melting the wax and then stirring in the plaster-of-paris till the mass becomes of a stiff dough-like consistency. It is then rolled or otherwise formed in sheets or slabs of the desired thickness, which harden on cooling or setting to a stone-like condition. The wax being thoroughly intermixed and supported by the stiffening ingredient, will yet exude from the pad under the action of the heat of the iron and sufficiently smear the iron to secure the desired degree of polish when used on starched goods in the ordinary manner. It will be seen that the stiffening ingredient protects the under portion of the wax in the pad proper from the heat in the ordinary application of the iron thereon, while the wax near the upper surface readily exudes from the semi-porous mass when the iron is applied thereto. The capillary attraction draws the wax in its melted condition to the upper surface of the pad proper, while the stiffening ingredient prevents the melting down of the entire mass and the corresponding waste of melted wax. Any desired degree of thickness may be given to this sheet or slab forming the pad proper; but it has been found by practical use that a sheet of comparatively slight thickness is sufficient for a long period of usage, since the ingredient combined with the wax, as hereinbefore described, causes the pad to be very slowly used up in ordinary use, so that one pad will last a long time. The proportion of stiffening ingredient to the wax when plaster-of-paris is used is about two parts, by weight, of the plaster to one of the wax. The proportions when cement or other stiffening ingredient is used may be modified to suit the particular composition and the hardness desired. The covering C may or may not be used; but it is convenient, as it serves to retain the pad in its position on the base and somewhat protects the same against breakage, while it does not interfere appreciably with the action of the wax in exuding therefrom. It should be observed that the object in waxing the iron is to facilitate the use of it by preventing its sticking or adhering to the articles being ironed.

Having thus fully described our invention, what we claim to be new, and desire to secure by Letters Patent, is—

As a new article of manufacture, a waxing-pad composed of a backing or support and a sheet of wax and plaster-of-paris intermixed.

In testimony whereof we affix our signatures in presence of two witnesses.

WM. A. ABBOTT.
H. E. ABBOTT.

Witnesses:
OLIVER H. MILLER,
WARREN HULL.