

No. 649,968.

Patented May 22, 1900.

O. TVERDAHL.

SAD IRON.

(Application filed July 18, 1896. Renewed Aug. 2, 1899.)

(No Model.)

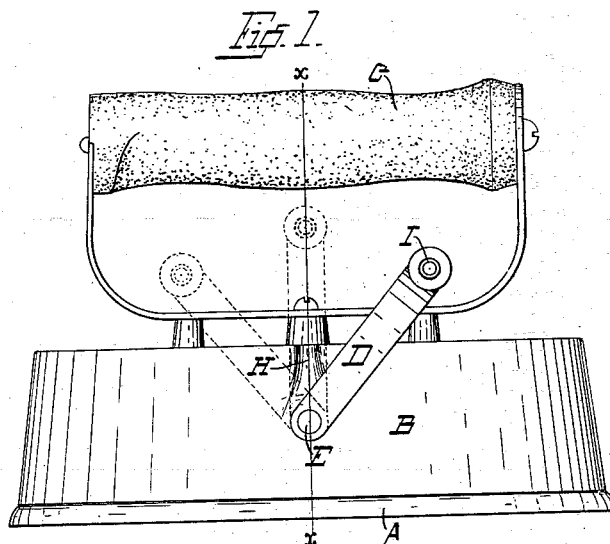


Fig. 3.

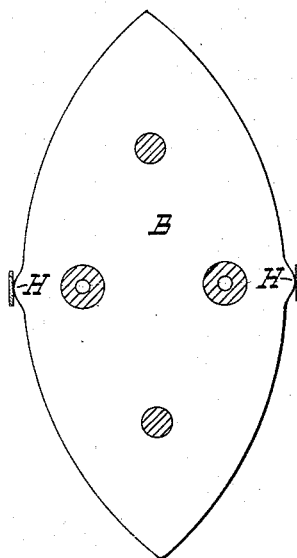
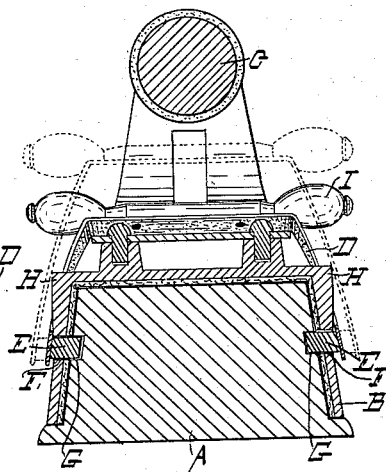


Fig. 2.



Witnesses:
Ford A. Otto
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UNITED STATES PATENT OFFICE.

OLE TVERDAHL, OF STOUGHTON, WISCONSIN, ASSIGNOR TO CHARLES T. JOHNSON, OF SAME PLACE.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 649,968, dated May 22, 1900.

Application filed July 18, 1896. Renewed August 2, 1899. Serial No. 725,925. (No model.)

To all whom it may concern:

Be it known that I, OLE TVERDAHL, a citizen of the United States, residing at Stoughton, in the county of Dane and State of Wisconsin, have invented new and useful Improvements in Sad-Irons, of which the following is a specification.

My invention relates to improvements in that class of sad-irons which have a removable handle-supporting shell adapted to prevent the rapid radiation of heat from the body of the iron.

The object of my invention is to provide a convenient form of clamp for fastening the shell and body together.

In the following description reference is had to the accompanying drawings, in which—

Figure 1 is a side view showing the body and body-inclosing shell held together by my improved clamp. Fig. 2 is a cross-sectional view drawn on the line *xx* of Fig. 1 and showing the engagement of the clamping-pins with the body of the sad-iron. Fig. 3 is a top view of the body-inclosing shell, showing the supporting handle-posts and the fastening-clamp in cross-section, the latter being adjusted to release the shell from the body.

Like parts are identified by the same reference-letters throughout the several views.

The body A of my sad-iron is formed with a bottom smoothing-surface and tapering sides provided with a narrow bead or bearing for the lower edge of the shell around the bottom.

B is a heat-retaining shell adapted to cover and inclose that portion of the body of the iron above the bead or bearing, with its lower edge engaged by the latter, as best shown in Fig. 2. The shell is larger than that portion of the body which it incloses, and thus forms a space for non-heat-conducting material—such as air, asbestos, or other non-heat conductor—between it and the body.

For fastening the shell and body together I have provided the shell with a spring clamp or clasp D, which embraces the top of the shell and is provided with pins E, engaged in

openings F in the shell on each side and adapted to engage in recesses G in the body of the iron, which register with the openings F when the shell is in place. The shell is provided above the openings F on each side with a bulge or projection H, adapted when the clamp is rocked to a vertical position to crowd the sides of the latter outwardly and release the pins E from the recesses G in the body, thus permitting the removal of the shell. In replacing the shell the clamp may be pushed or rocked upon the pins either to the front or rear, and as the sides of the clamp are removed from the projections H their elasticity forces the pins inward and holds them in engagement in the recesses G, thus locking the shell to the body. A handle I, attached to the upper side of the clamp, facilitates moving the clamp to the desired position.

I do not claim to be the inventor of the combination of the smoothing core or body of the sad-iron, with the heat-retaining shell and the non-heat conductor located between the core and the shell; but,

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

The combination of the body provided with the recesses, the removable shell adapted to fit over said body, and provided with holes opposite the said recesses, the rocking elastic clamp provided with pins adapted to project through the holes in the shell into the recesses of the body, and lateral projections on the shell adapted to force the arms of said clamp outwardly to release the pins from said recesses when the clamp is rocked to a position over said projections, substantially as described.

In testimony whereof I affix my signature in the presence of two witnesses.

OLE TVERDAHL.

Witnesses:

EDNA M. ROLLIS,
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