J. G. BAKER & T. H. ASBURY.

SAD-IRON.

No. 186,291. Patented Jan. 16, 1877.

Fig. 4.

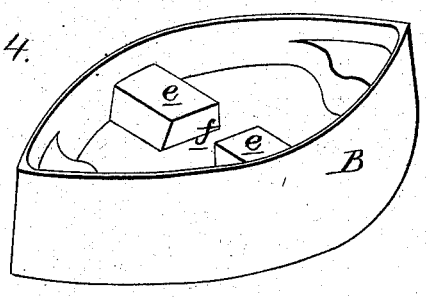


Fig. 2.

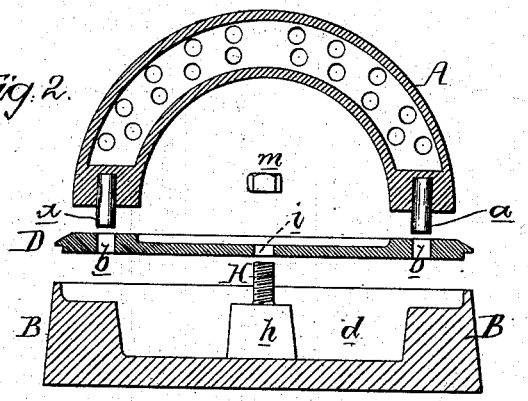


Fig. 5.

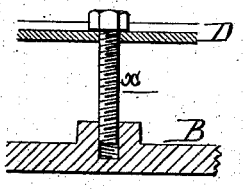


Fig. 1.

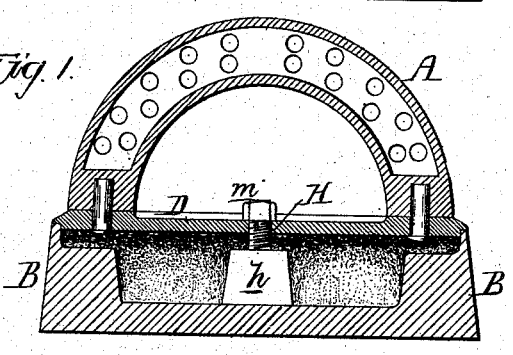
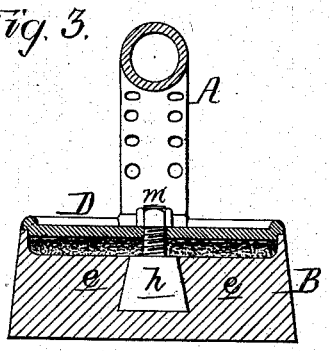


Fig. 3.



Witnesses.
Hermann Boecener
Harry Smith

John G. Baker
and
T. Henry Asbury
by their Attorneys.
Howson and Sons

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN G. BAKER AND T. HENRY ASBURY, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNORS TO THE ENTERPRISE MANUFACTURING COMPANY, OF SAME PLACE.

IMPROVEMENT IN SAD-IRONS.

Specification forming part of Letters Patent No. **186,291**, dated January 16, 1877; application filed December 16, 1876.

To all whom it may concern:

Be it known that we, JOHN G. BAKER and T. HENRY ASBURY, of Philadelphia, Pennsylvania, have invented certain Improvements in Sad-Irons, of which the following is a specification:

Our invention relates to the construction of that class of sad-irons, in which the base of the iron is packed with fire-clay or other equivalent non-conducting material, and the object of our invention is to construct a cheap sad-iron of this class.

In the accompanying drawing, Figure 1 is a vertical section of our improved sad-iron, showing the several parts connected together; Fig. 2, the same, showing the parts disconnected from each other; Fig. 3, a transverse section; Fig. 4, a perspective view of the base, and Fig. 5 a modification of part of our invention.

The sad-iron is composed of three main parts, namely, the handle A, base B, and intermediate plate D, through the medium of which the handle is secured to the base, and which also serves the purpose of keeping the packing in the recess of the base.

The handle A is of cast-iron, and is made hollow with closed ends, air being freely admitted to the interior through perforations, so that the handle is always maintained in a comparatively cool condition.

Two wrought-iron pins, *a a*, are cast to the closed ends of the handle, these pins being passed through holes *b* in the plate D, and subsequently riveted on the under side of the plate, which is thus permanently secured to the handle.

In the recess *d* of the sad-iron are two projections, *e e*, the space *f* between which is of a dovetail or T shape, and adapted to a similarly shaped head *h* of a bolt H.

The head of the bolt is first adjusted to this space between the projections *e e*, after which the recess in the base is packed with fire-clay or other equivalent material. The plate D of the handle is then adjusted to the top of the base, the stem of the bolt passing through an opening, *i*, in the said plate, after which the latter with the handle is secured by a nut, *m*, adapted to the bolt, when the sad-iron is complete.

A simple set-screw, *x*, Fig. 5, may be used in place of the bolt, a plug being inserted in the threaded orifice while the recess in the base is being packed, after which the plug may be withdrawn to make way for the screw.

We claim as our invention—

1. The combination of the base B, packed with non-conducting material, with the handle A, and the intermediate plate D, connected to the said base, so as to be readily detached therefrom, as described.

2. The combination of the perforated hollow handle, the pins *a a* cast to the closed ends of the same, and the plate D.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

JOHN G. BAKER.
T. HENRY ASBURY.

Witnesses:
HERMANN MOESSNER,
HARRY SMITH.