

J. J. VAUGHN & C. J. BLANEY.

Sad-Irons.

No. 137,982.

Patented April 15, 1873.

Fig. 1.

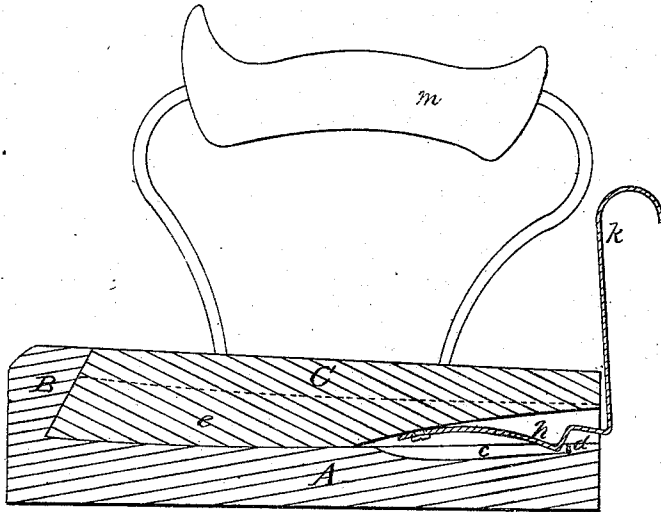


Fig. 2.

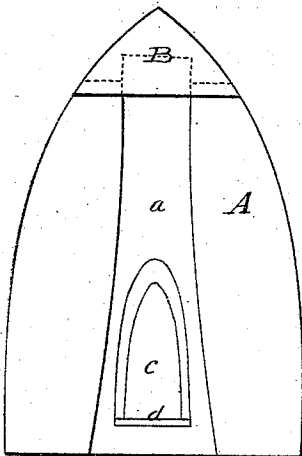
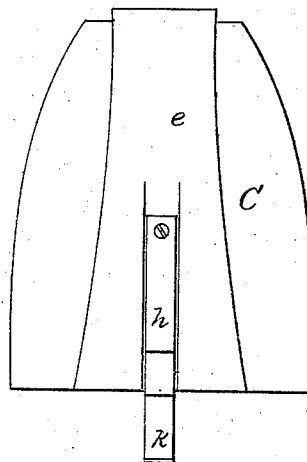


Fig. 3.



WITNESSES.

Chas. F. Steele
Wm. Williams

INVENTORS

John J. Vaughn
Chas. J. Blaney,
Chipman & Foss, & Co.,
Attys.

UNITED STATES PATENT OFFICE.

JOHN J. VAUGHN AND CHARLES J. BLANEY, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN SAD-IRONS.

Specification forming part of Letters Patent No. **137,982**, dated April 15, 1873; application filed March 29, 1873.

To all whom it may concern:

Be it known that we, JOHN J. VAUGHN and CHAS. J. BLANEY, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and valuable Improvement in Sad-Irons; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a sectional view of our sad-iron. Fig. 2 is a top view of the principal or under section of our sad-iron. Fig. 3 is a bottom view of the upper section of our sad-iron.

This invention has relation to an improvement in sad-irons; and it consists in making the body of the sad-iron in two sections, the upper portion being attached to the handle and provided with a dovetail-tongue, increasing in depth from heel to point, and the lower section having a corresponding recess terminated at the point by an inclined wall; and, in connection with said sectional body, it consists in the construction and novel arrangement of the spring-catch, having a hook or handle extending up in rear of the main handle in a position to be conveniently reached.

In the accompanying drawing, the letter A designates the main portion or lower section of the body of the sad-iron, centrally recessed at *a* from the rear end to the solid point or nose B, the inner wall *b* of which is inclined upward and inward. The upper surface of the section A is inclined upward from heel to point, while the bottom of the recess *a* is level or parallel with the under surface of the iron. The recess tapers laterally from the heel to the point, and, in cross-section, is of the dovetail form. At its rear end a depression, *c*, is

made, terminated in rear by a transverse shoulder or stop, *d*. C indicates the upper section. This is provided with a dovetail tapering tongue, *e*, having greater depth at the point portion than at the rear. It is designed to slide easily into and fit accurately the recess *a*. To the under side of the tongue is secured a spring-catch, *h*, having a handle, *k*, extending up in rear of the main handle *m*. This is usually made in hook form for convenience.

When the tongue *e* is pushed home in the recess *a* the lower surface of the section C comes in contact with the upper surface of the section A, and the spring-catch, engaging with the stop *d* of the lower section, secures the sections firmly together. When it is desired to loosen the upper or handle section the spring-catch is raised by means of its hook or handle, and the tongue *e* readily withdrawn from the recess *a*. In consequence of its tapering form its engagement and disconnection are accomplished with the greatest facility, and when pushed home in the recess binds the sections together firmly and without play.

What we claim as new, and desire to secure by Letters Patent, is—

A sad-iron consisting of the base-section A having the tapering recess *a* and solid point B, and the handle-section C having the spring-catch *h* and tongue *e* tapering laterally from heel to front, and vertically in the opposite direction, substantially as specified.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

JOHN J. VAUGHN.
CHARLES J. BLANEY.

Witnesses:

SAMUEL JENNISON,
FRED. H. WHITE.