

J. W. WILLIAMS & N. E. WARREN.
Sod-Iron.

No. 215,781.

Patented May 27, 1879.

Fig. 1.

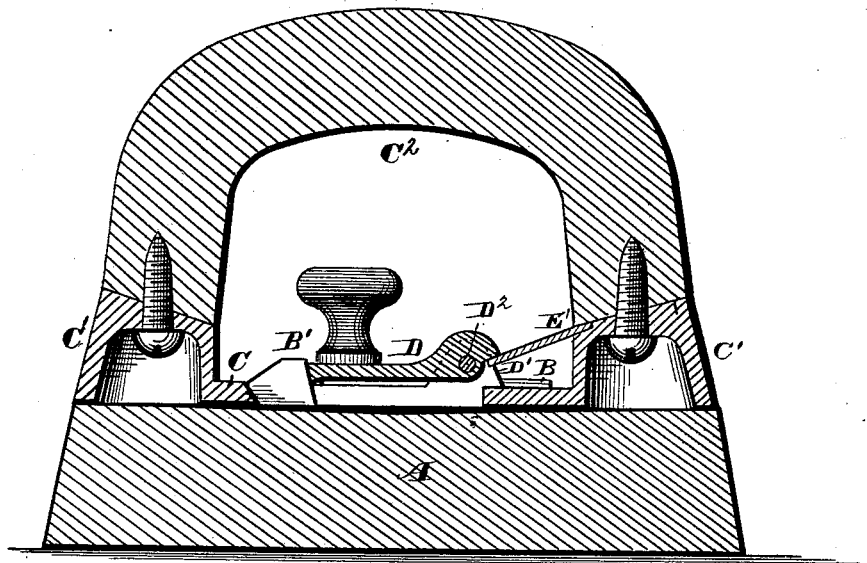
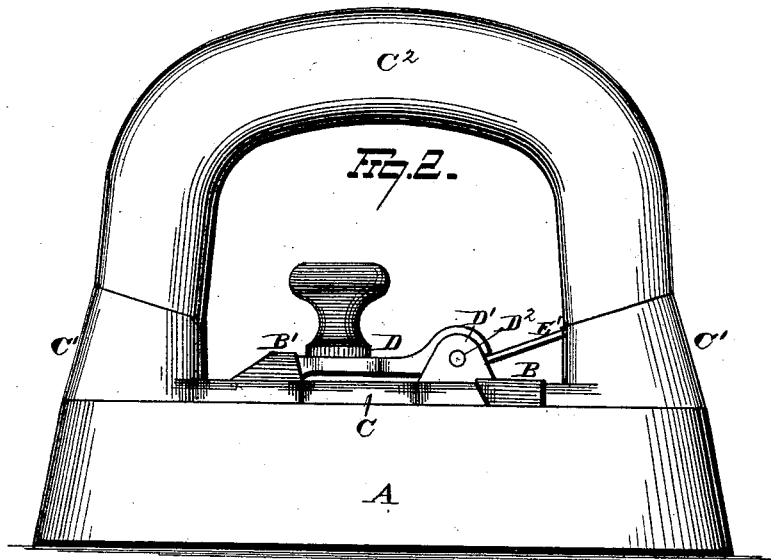


Fig. 2.



WITNESSES

E. J. Nottingham
Geo. D. Seymour

INVENTORS.

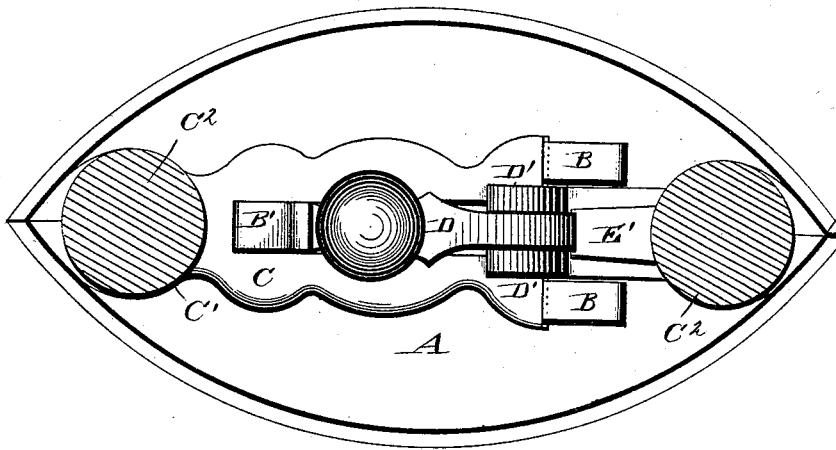
J. W. Williams
and N. E. Warren
By Reggell and Reggell
ATTORNEYS.

J. W. WILLIAMS & N. E. WARREN.
Sad-Iron.

No. 215,781.

Patented May 27, 1879.

Fig. 3.



WITNESSES

E. J. Nottingham
A. M. Bright

INVENTORS.

J. W. Williams
N. E. Warren
By Deeggett & Deeggett ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN W. WILLIAMS, OF CHAGRIN FALLS, AND NATHANIEL E. WARREN,
OF CLEVELAND, OHIO; SAID WARREN ASSIGNOR TO ADAM C. WIL-
LIAMS, OF SAME PLACE.

IMPROVEMENT IN SAD-IRONS.

Specification forming part of Letters Patent No. **215,781**, dated May 27, 1879; application filed
March 13, 1879.

To all whom it may concern:

Be it known that we, JOHN W. WILLIAMS, of Chagrin Falls, and NATHANIEL E. WARREN, of Cleveland, both in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Sad-Irons; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

Our invention relates to sad-irons; and it consists in the combination of parts hereinafter described and claimed.

In the drawings, Figure 1 is a view, in longitudinal vertical section, of our sad-iron. Fig. 2 is a side elevation of the same. Fig. 3 is a plan view, with a portion of the handle broken away.

A is the body of a flat-iron, which may have any desired shape or dimensions. It may be made self-heating or otherwise, as in respect to the construction of the body we do not claim any invention, and therefore do not limit ourselves. Attached to or cast as a portion of the body A are the three posts or studs B B and B'. The stud or post B' is beveled upon its inner face, and undercut or dovetailed upon its rear face, substantially as shown in the drawings, while the two opposing studs, B B, are dovetailed or undercut on their inner faces only.

The locking device consists of a plate, C, preferably constructed from metal, having

whereby conduction of heat from the body to the handle is practically prevented, while at the same time the cool plate intervening between the end and the heated body serves as a shield to the radiating heat of the body A.

At or near the central portion of the plate C is a slotted opening, for the purpose of receiving the rocking gimbal-jointed locking-lever D. This lever is jointed or hinged to the plate C by raised ears D¹, attached to or forming a part of the plate C, through which a shaft-pin, D², connects said ears, and acts as a fulcrum, upon which swings the locking-lever. The longer arm of the locking-lever bears against the beveled face of the post B', operating in this manner to lock the plate C to the body A. The shorter arm of the lever is extended back of its fulcrum sufficient for the application of a spring, E'.

We are aware of the Patent No. 136,526, which was granted to Lovell, March 4, 1873, and disclaim the construction shown in the same.

What we claim is—

In a sad-iron, the combination, with the lugs B, whose inner faces are undercut, and the lug B', whose rear face is undercut, of the plate C, having bearings the counterpart of said undercut faces, and with which they engage, together with the lever D, whose long arm engages with the beveled inner face of lug B', and spring E', which bears upwardly against the short arm of said lever, substantially as set forth.

In testimony whereof we have signed our names to this specification in the presence of