

(No Model.)

J. BENNITT.

SAD IRON.

No. 360,506.

Patented Apr. 5, 1887.

Fig. 1.

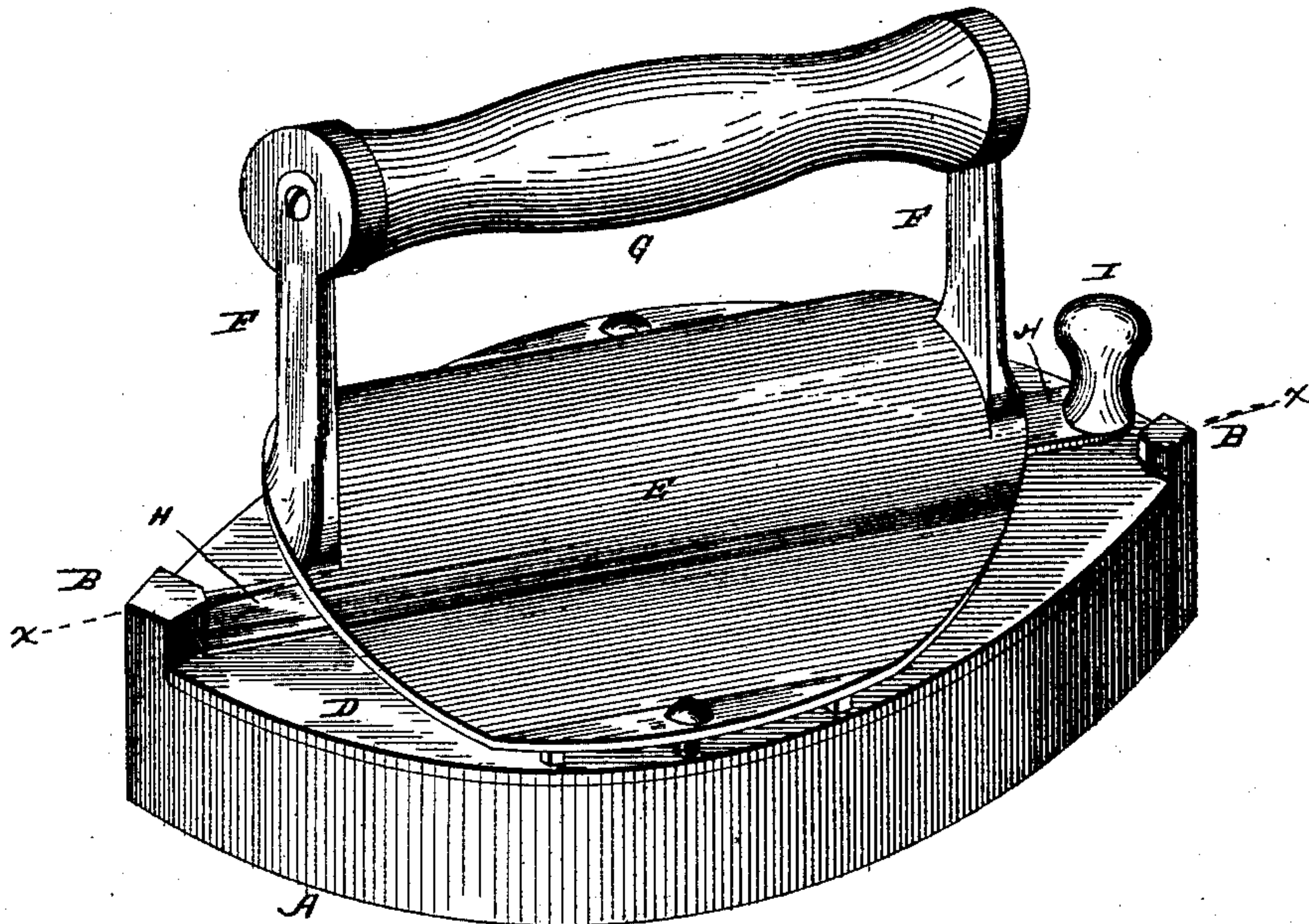


Fig. 2.

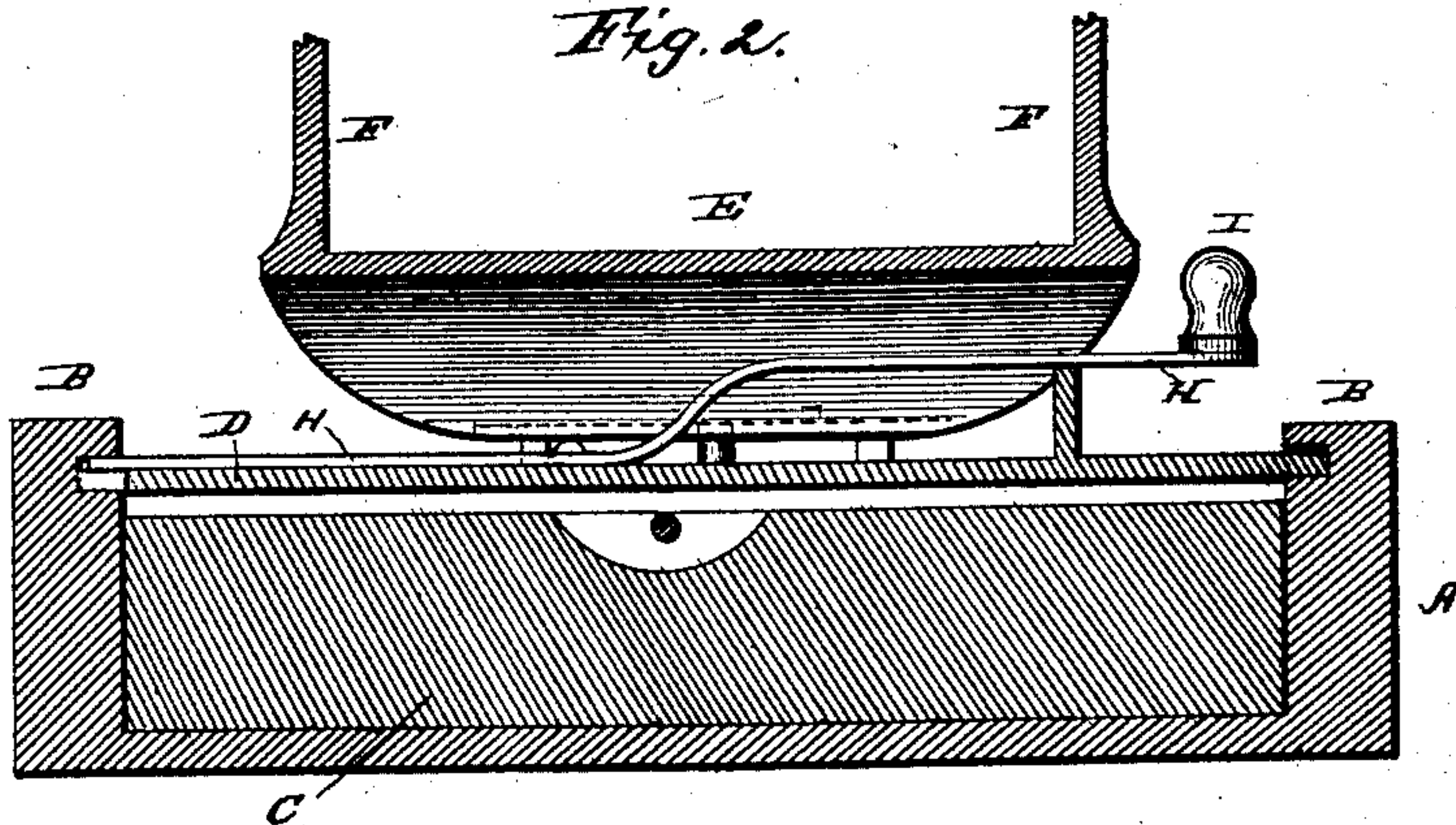
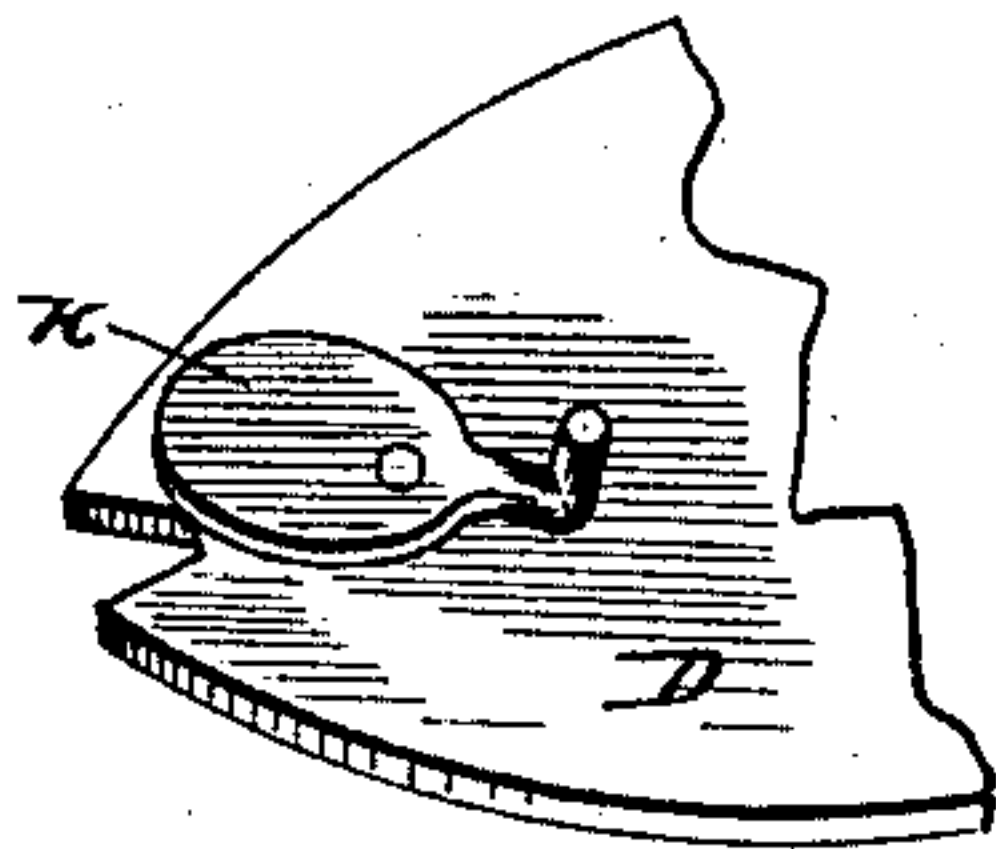


Fig. 3.



Witnesses

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JOEL BENNITT, OF DEFIANCE, OHIO.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 380,506, dated April 5, 1887.

Application filed April 16, 1884. Serial No. 128,119. (No model.)

To all whom it may concern:

Be it known that I, JOEL BENNITT, of Defiance, county of Defiance, State of Ohio, have invented a new and useful Improvement in Sad-Irons; and I declare the following to be a full, clear, and exact description of the same, 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 a part of this specification.

My invention relates to improvements in sad-irons, and is designed to produce a device of simple construction and convenient manipulation.

I am aware that it is not new to form a sad-iron of a body-shell for the reception of a heating-iron, to secure a cover to the said body by a catch, so that the said cover may be removed, and to provide a handle with a heat-shield. I am also aware that the body has been provided with a hook, and a lever has been pivoted to the handle or on top the shield to operate a catch that normally engages under the hook. I am also aware that shields or guards with air-passages under them have been used. Therefore my invention has for its novelty only such details of construction and combinations as claimed.

In the drawings, Figure 1 represents a perspective view of the iron; Fig. 2, a longitudinal vertical section on line *x x* of Fig. 1, and Fig. 3 a form of catch.

The shell A is of the usual form used in this class of sad-irons, and has raised at each end a hook-shaped lug, B. The shell normally contains the heating-block C, which is readily removable, and which may be constructed of cast-iron. In practice more than one block C will be used, so that while one is in use in the shell others may be heating.

The cover consists of a plate, D, with notches at each end, so that the ends of said plate will partially embrace the lugs B, and one end of the said plate will rest under one of the said lugs. Resting on the sides of said plate, and supported slightly above the same, is the heat-shield E, approaching a semicircular shape in cross-section. The only point of support is at the edges, as stated, while the ends remain open, leaving a free passage. At each end of said shield are raised the posts F, preferably formed

integral therewith, and carrying the handle G at their upper ends. The shield is secured to the cover, and is of sufficient length to thoroughly protect the hand when in the act of manipulating the iron.

Pivoted to the top of the cover, so as to move horizontally, is a lever, H, one end of which engages under one of the hooks or lugs B on the body. This lever extends entirely through the space occupied by the shield, and has the end opposite to that which engages under the said hook provided with a handle, I. By pushing the lever to one side or the other the cover is either secured in place or is loosened at one end, so as to permit the easy removal of the other end, and hence of the said cover bodily. The free end of the lever projects just sufficiently beyond the shield to allow the use of the thumb in manipulating it. The shield, being arched and open at the ends, allows the free circulation of the air under the same, and hence keeps the hand of the operator cool and protects it from the radiated heat from the iron. This construction is preferable to such shields as are flattened on top and have only small openings in the sides and ends for the passage of the air.

In Fig. 3 is shown a form of catch consisting of an eccentrically-pivoted disk, K, on the cover, and having an integral handle for operating it. By turning the disk one edge of the same may be made to catch under one of the hooks and hold the cover in place, and the said disk, being eccentrically pivoted, will jam under said hook with enough force to prevent its being easily turned, and thus to a great measure avoiding accidents.

I am aware of Patents No. 197,958, of December 11, 1877; No. 106,524, August 16, 1870; No. 259,149, June 6, 1882; No. 133,104, November 19, 1872, and No. 152,037, June 16, 1874, and do not claim as of my invention what is shown and described therein. My invention is distinguished from the above-noted devices in that I employ a body-shell without internal obstruction, thus permitting the use of a simple cast heating-block, and accomplish the result by forming hook-shaped lugs at the ends only of the shell and exterior thereto. With this construction I combine a flat top plate with recesses at the ends, one end per-

mitting the passage of one of the lugs and the other end fitting under the hooked portion of the other lug, the top being reversible. I also employ an arched open-ended shield with side
 5 air-passages secured to the top plate and carrying the handle, and also use a fastening-catch, so located that the handle is exterior to the shield and handle and in front of the latter, so as to be readily manipulated by one
 10 finger without removing the hand from the handle, and is on the top plate independent of the handle or shield, and so placed as to obviate accidental disengagement of the parts from contact with foreign bodies.

15 I do not wish to be understood as broadly claiming the features set forth above; but as far as I am aware the said features have never before been combined in the manner I combine them to produce as simple and effective a de-
 20 vice.

I claim—

1. As an improved article of manufacture, a sad-iron consisting of a shell, A, for the re-
 25 ception of a heating-block and having raised on each end and exterior thereto a hook-shaped lug, B, a reversible flat cover, D, recessed at the ends to permit the passage of one lug and engage under the other lug, an open-ended arched shield, E, raised above the said cover
 30 D to insure a free air-circulation, a handle, G, erected on said shield, and a retaining device or catch pivoted directly to the cover to move

laterally thereon and having a handle exterior to and below the shield and independent of the handle and shield, substantially as described, 35 and for the purpose set forth.

2. The combination, with the body-shell having hook-shaped lugs at each end exterior to the body, of a reversible cover recessed at the ends to engage under one of the lugs and per- 40 mit the passage of the other, a heat-shield and handle, and a catch pivoted directly on the cover and independent of both the shield and handle and having its manipulating end exterior to and in front of the shield and below the 45 upper part of same, substantially as and for the purpose set forth.

3. The combination, with the body-shell having hook-shaped lugs at the ends and entirely exterior to the said body, of a reversible top 50 plate, an arched shield carrying a handle and secured on said top plate, and a catch consisting of a cam pivoted directly on the top plate between one end thereof and the shield, said cam being entirely exterior to the shield and independent 55 thereof, substantially as and for the purpose set forth.

In testimony whereof I sign this specification in the presence of two witnesses.

JOEL BENNITT.

Witnesses:

N. S. WRIGHT,
 M. E. HUMMEL.