No. 686,081. Patented Nov. 5, 1901.

M. JOYCE.

SAD IRON.

(Application filed May 16, 1901.)

(No Model.)

Fig. 1.

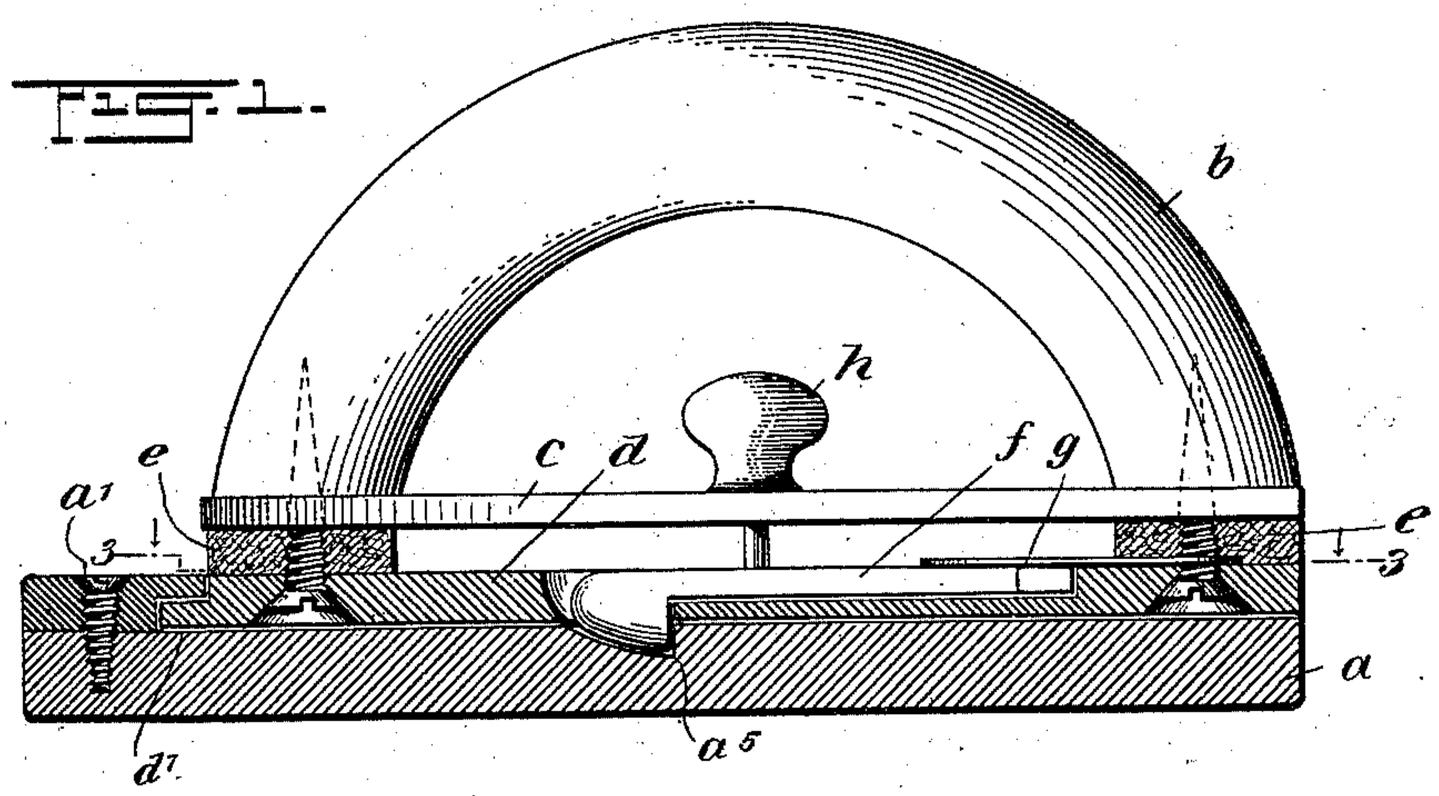


Fig. 2.

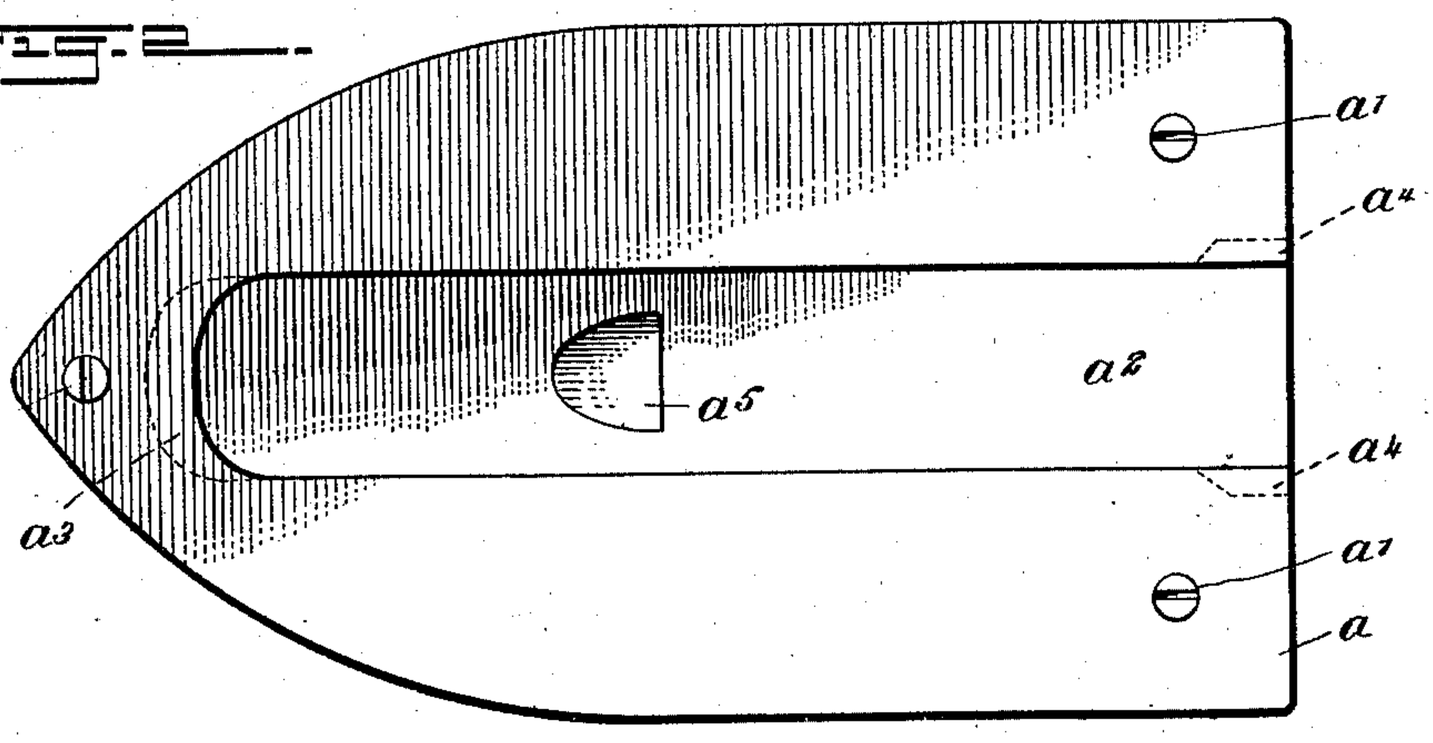


Fig. 3.

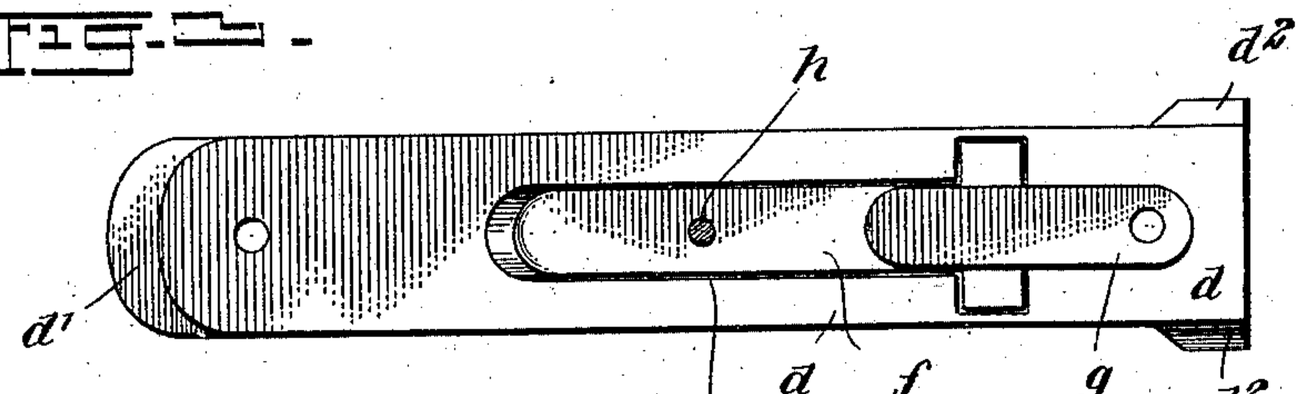
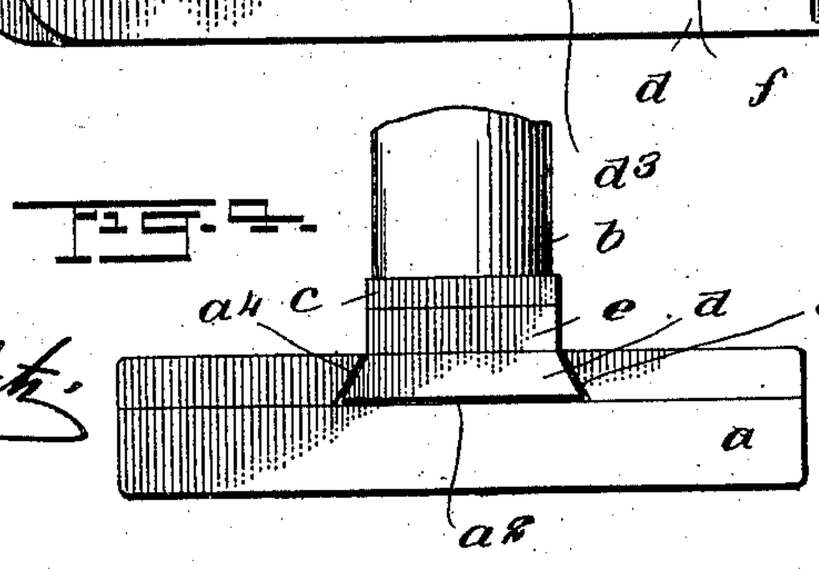


Fig. 4.



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SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 686,081, dated November 5, 1901.

Application filed May 16, 1901. Serial No. 60,457. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL JOYCE, a citizen of the United States, and a resident of Salt Lake City, in the county of Salt Lake and State of Utah, have invented a new and Improved Sad-Iron, of which the following is a full, clear, and exact description.

This invention relates to a sad-iron having certain peculiar features of construction by means of which the handle may be attached to or detached from the iron at will, so that one handle will serve for a number of irons and need not be placed upon the fire with the irons when they are being heated.

This specification is a specific description of one form of the invention, while the claim is a definition of the actual scope thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a longitudinal section of the invention. Fig. 2 is a plan view of the base. Fig. 3 is a sectional plan view on the line 3 3 of Fig. 1 to show one of the bars which are attached to the handle, and Fig. 4 is a fragmentary rear elevation.

The base *a* is preferably constructed of two horizontal sections fastened together by screws or other devices *a'*. Formed in the top of the base is a longitudinal groove a^2, having at its front end an undercut a^3, forming an overhanging portion, as indicated in the drawings. At the rear end of the groove a^2 undercuts a^4 are formed, these undercuts producing overhanging portions at the point mentioned. At the bottom of the groove a^2 is a cavity a^5 for a purpose which will be hereinafter described.

b indicates the handle of the iron, which has secured to its lower ends two bars *c* and *d*. These bars are rigidly secured to the handle and are separated by non-conducting blocks *e*, preferably of asbestos, so that the heat from the iron will not be transmitted to the handle. The bar *d* is formed of metal, preferably malleable iron, while the bar *c* is of wood or other non-conducting material, so as to protect the hand from the heat of the iron. The bar *d* is formed at its front end with a reduced portion *d'*, adapted to engage in the undercut a^3, and at its rear end with lateral reduced projections d^2, adapted, respectively, to engage in the undercut portions a^4. By sliding the bar *d* forwardly through the groove a^2 it may be properly seated.

f indicates a latch which is mounted on the bar *d* and has its nose or bill projected through an opening in the bar, so as to engage in the cavity a^5 of the base *a*, and thus hold the bar *d*, with its attached parts, securely in place. The bar *d* has a T-shaped groove or cavity d^3, receiving the dog, and the dog conforms to the shape of this groove. The transverse part or T-head of this dog forms a pivot on which it swings. The dog is pressed into operative position by a spring *g*, fastened on the top of the bar.

h indicates a thumb-knob which is attached to the catch *f* and which extends through the bar *c* to facilitate manipulating the catch.

The use and advantages of my invention will be fully understood by persons skilled in the art, and it is not necessary to explain them here.

Various changes in the form, proportions, and minor details of my invention may be resorted to without departing from the spirit and scope of my invention. Hence I consider myself entitled to all such variations as may lie within the scope of my claim.

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

A sad-iron, comprising a body portion having a groove formed in its top, said groove having undercut walls, a handle, two parallel bars arranged one above the other and spaced apart, the bars being secured to the bottom of the handle and the lower bar having projections lying in the undercut walls of the groove in the body, the lower bar also having a T-shaped groove formed in its top and an opening located at one end of the said T-shaped groove and extending through the bar, a dog set in the groove and conforming to the shape thereof, the transverse part or T-shaped head of said dog forming a pivot

and the bill of the dog at the opposite end extending through the opening in the lower bar, whereby to engage the body, a spring pressing the dog downward, and a thumb-knob located over the upper bar and connected with the dog.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MICHAEL JOYCE.

Witnesses:
MARGARET STUART,
JENNIE EDWARDS.