W. B. SIMPSON.

SAD IRON.

APPLICATION FILED SEPT. 25, 1907.

903,797. Patented Nov. 10, 1908.

Fig. 1.

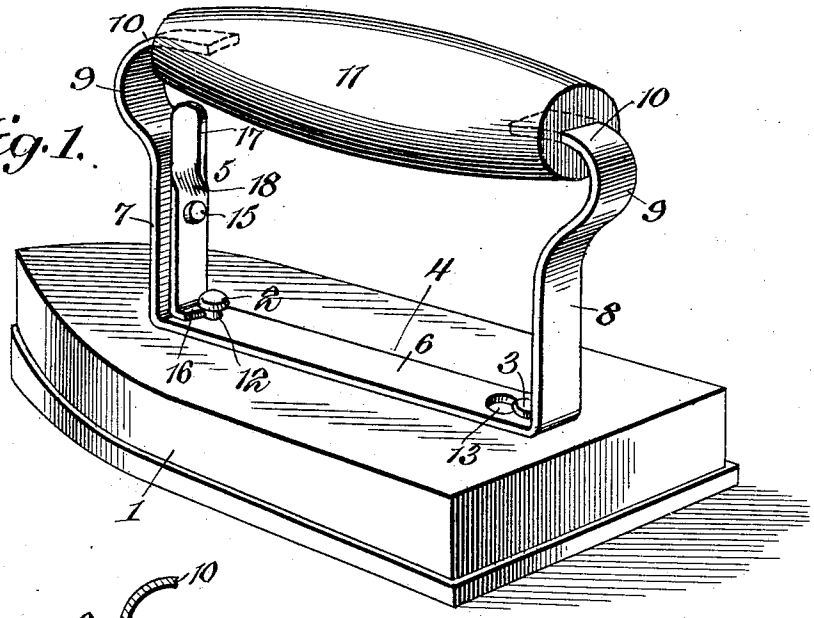


Fig. 2.

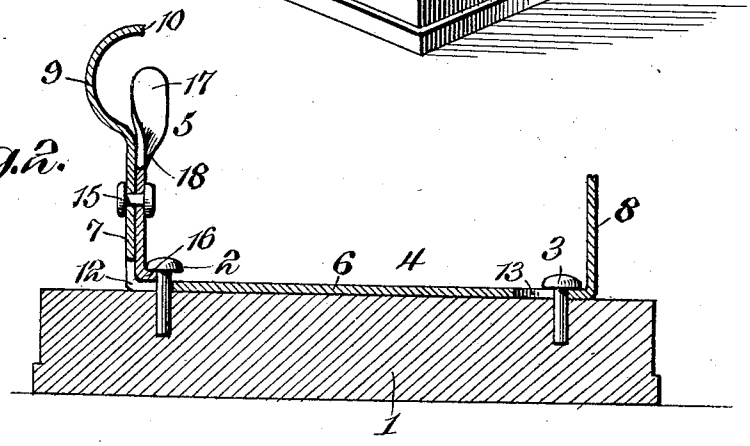
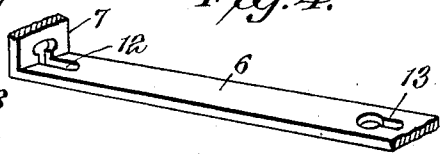


Fig. 3.



Fig. 4.



Witnesses

Howard P. Orr.

H. C. W. Riley

William B. Simpson, Inventor,

By E. G. Siggers.

Attorney.

THE NORRIS PETERS CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM BUTLER SIMPSON, OF SHREVEPORT, LOUISIANA.

SAD-IRON.

No. 903,797. Specification of Letters Patent. Patented Nov. 10, 1908.

Application filed September 25, 1907. Serial No. 394,515.

To all whom it may concern:

Be it known that I, WILLIAM B. SIMPSON, a citizen of the United States, residing at Shreveport, in the parish of Caddo and State of Louisiana, have invented a new and useful Sad-Iron, of which the following is a specification.

The invention relates to improvements in sad irons.

The object of the present invention is to improve the construction of that class of sad irons having detachable handles, and to provide a simple, strong and durable construction, adapted to permit the handle to be easily and quickly applied to and removed from the body of the sad iron.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claim hereto appended; it being understood that various changes in the form, proportion, size and minor details of construction, within the scope of the claim, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing:—Figure 1 is a perspective view of a sad iron, constructed in accordance with this invention. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a detail perspective view of the pivoted catch. Fig. 4 is a detail view, showing the key hole slots of the handle frame.

Like numerals of reference designate corresponding parts in all the figures of the drawing.

The body 1 of the sad iron is provided with a horizontal upper face having front and rear projecting headed studs 2 and 3, which are rigid with the body 1. The headed studs, which may be cast integral with, or applied to the body 1 in any preferred manner, are adapted to be engaged by a substantially U-shaped handle frame 4, and they are retained in engagement with the same by a pivoted catch 5. The handle frame, which may be constructed of any suitable material, consists of a horizontal bottom portion 6 and front and rear upwardly extending arms 7 and 8, provided with curved upper portions 9 and having inwardly extending upper terminals 10, which are embedded in the ends of a wooden handle 11. The handle 11, which may be constructed of any suitable non-heat conducting material, is provided at its ends with suitable slots or sockets for the reception of the upper ends of the upwardly extending arms, which may be secured to the handle in any preferred manner.

The horizontal bottom portion 6 is provided at its ends with front and rear key hole slots 12 and 13, having enlarged front entrance portions and narrow rear portions. The enlarged front portions of the slots permit the heads of the studs to pass through them, and when the horizontal bottom portion 6 of the frame is placed on the body of the sad iron with the studs projecting through the slots, it is moved forwardly to carry the studs into the rear contracted portions of the slots, whereby the handle frame is interlocked with the body of the sad iron.

The handle frame is retained in its interlocked relation with the studs of the body 1 by means of the catch 5, arranged at the inner face of the front arm 7 of the frame and pivoted at its middle portion to the same by means of a rivet 15, or other suitable fastening device, which permits the catch to swing transversely of the sad iron to engage its lower end with and disengage it from the front side of the front stud. The catch consists of upper and lower portions, the lower portion being bent horizontally to provide a transversely disposed flange 16, which is tapered or wedge-shaped for engaging beneath the head of the front stud 2. The tapered flange 16 is adapted to be firmly wedged in engagement with the stud 2, so that there will be no liability of the handle accidentally becoming disconnected from the body of the sad iron. The catch is provided at a point above the pivot 15 with a quarter bend 18 to arrange its upper portion 17 in a plane at right angles to the plane of the lower portion. The upper portion of the catch is adapted to be readily operated by the thumb or fore-finger in applying the handle to and removing it from the body of the sad iron.

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

A sad iron comprising a body provided at its upper face with front and rear upwardly projecting headed studs, a handle having a substantially U-shaped frame composed of a horizontal bottom portion, and front and rear arms secured at their upper ends to the handle, the said bottom portion being provided adjacent to the front and

rear arms with slots having enlarged portions and adapted to receive the headed studs to permit the bottom portion of the frame to be interlocked with the body of the sad iron, and a catch pivoted at its intermediate portion to the inner face of one of the arms of the frame and arranged to swing transversely of the sad iron and provided at its lower end with a transversely disposed tapered flange arranged to engage beneath the head of one of the studs, said catch being interposed between such stud and the proximate arm and bearing against both of such parts.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

WILLIAM BUTLER SIMPSON.

Witnesses:
TOM B. SIMPSON,
A. F. HAYNES.