

No. 864,735.

PATENTED AUG. 27, 1907.

J. M. HARPER.

SAD IRON.

APPLICATION FILED FEB. 26, 1906.

Fig. 1.

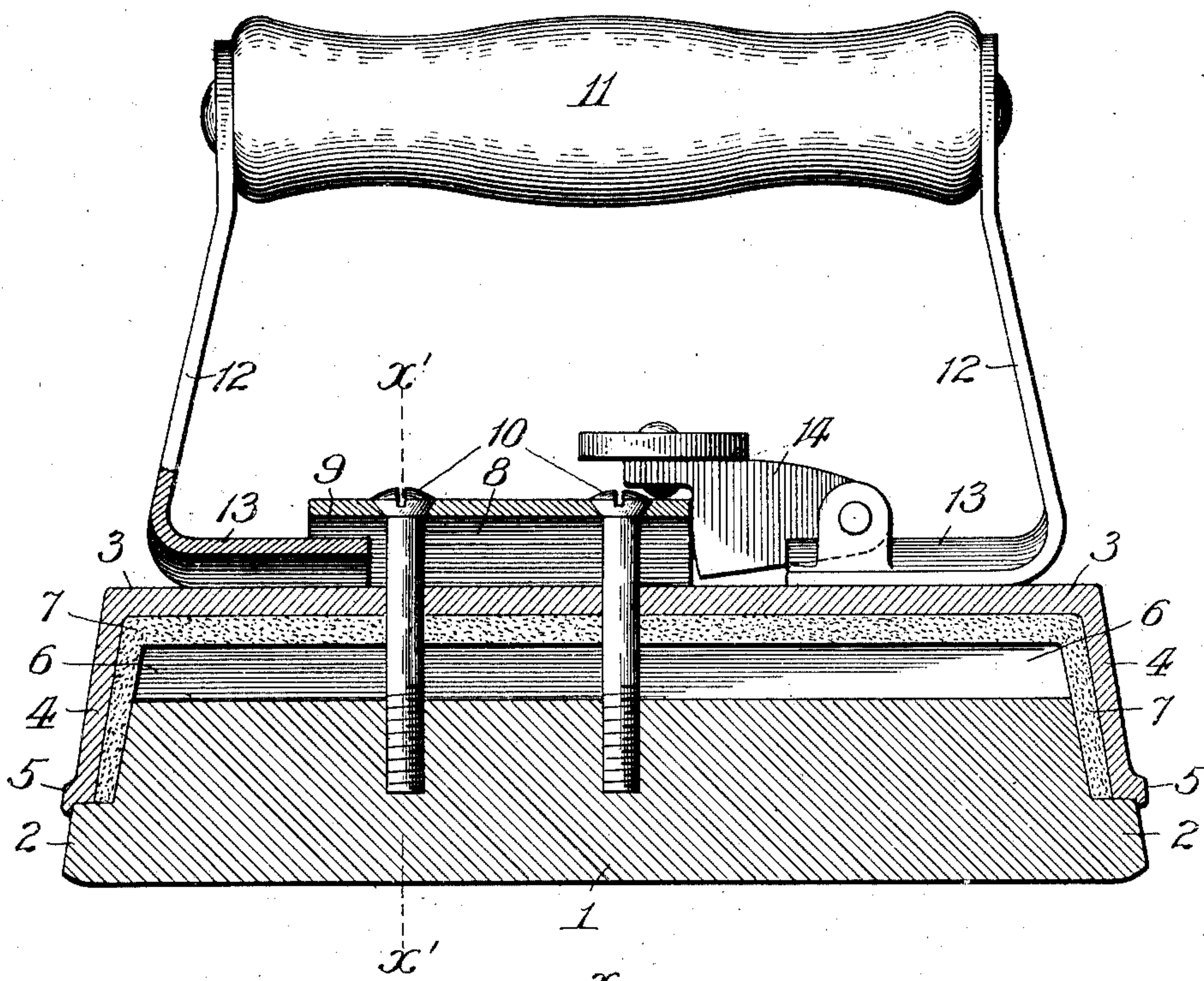
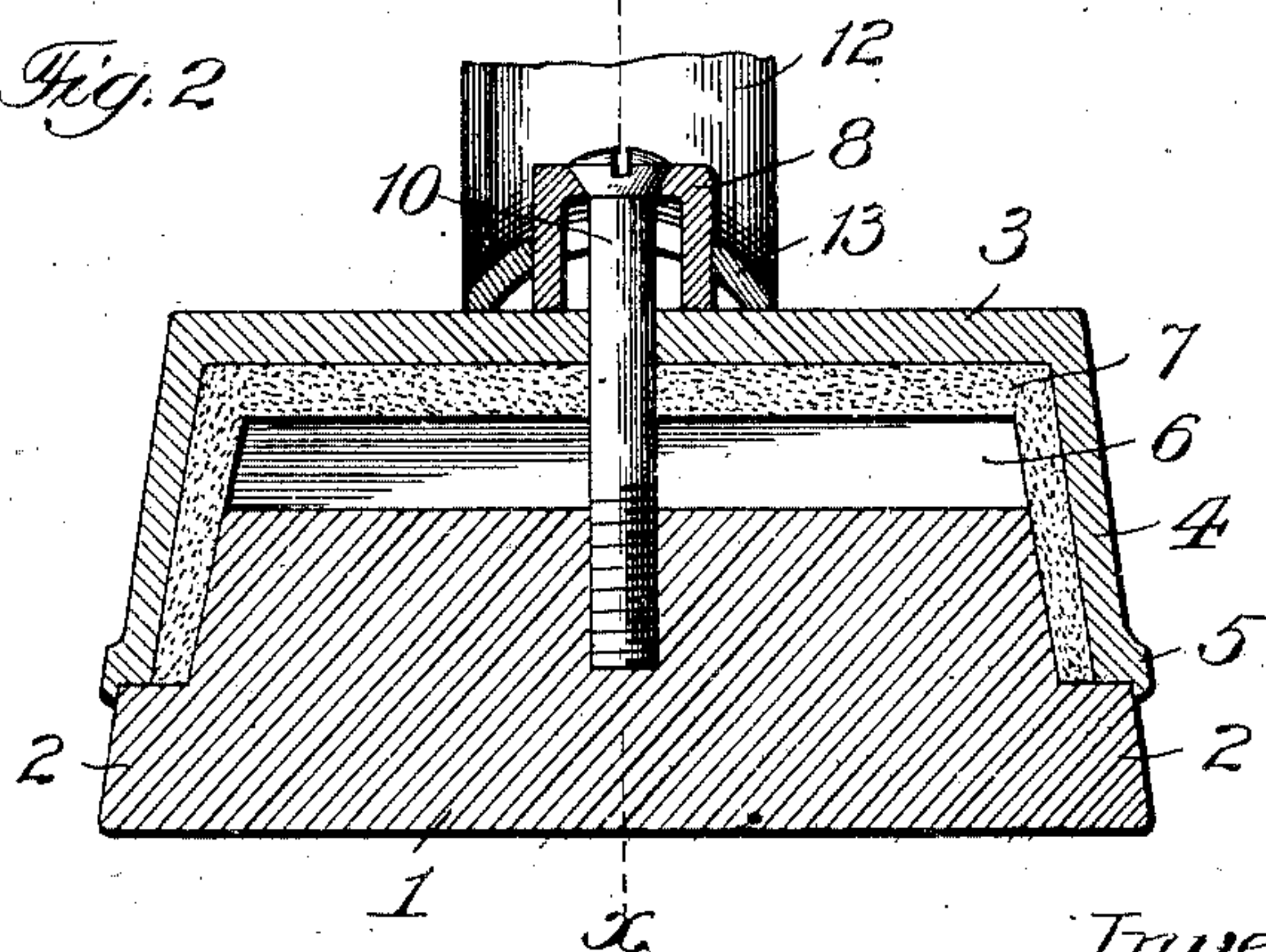


Fig. 2.



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SAD-IRON.

No. 864,735.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JAMES M. HARPER, a citizen of the United States of America, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Sad-Irons, of which the following is a specification.

This invention relates to that type of sad-irons in which the handle portion is made readily detachable from the body portion, and has for its object to provide a simple and efficient structural formation and combination of parts, whereby heat retaining properties are imparted to the sad-iron body in an economical and effective manner, all as will hereinafter more fully appear.

In the accompanying drawings:—Figure 1, is a longitudinal sectional elevation, on line $x-x$ Fig. 2, of a sad-iron embodying the present improvement. Fig. 2 is a transverse section of the same on line $x'-x'$, Fig. 1.

Referring to the drawings:—1 is the main body of the sad-iron formed with an outwardly projecting marginal ledge 2 which extends up a short distance from the bottom of said body, and has a plain outer surface capable of receiving an easy and economical finish.

3 is a cap piece having a downwardly extending skirt 4, fitting over and inclosing the portion of the sad-iron body 1, above the ledge 2, and provided at its lower margin with a flange or bead 5, adapted to cover the seam between the cap piece and main body and afford a finished appearance at such point in an easy and economical manner. In the present improvement the vertical height of the skirt portion 4, of said cap piece, is greater than the vertical height of the portion of the main body, above the ledge 2, so that when the two parts are assembled, an air space or chamber 6, will be formed between the parts, as shown.

7 is an inverted crown of asbestos paper or the like secured to the inner walls of the cap piece 3, and adapted to aid in the heat insulating functions of the air space 6, aforesaid.

8 is the longitudinally arranged fixed member of the latch mechanism by which the removable handle hereinafter described is held in operative engagement with the aforesaid cap piece of the sad-iron body carrying the fixed member 8, aforesaid. Such fixed member 8 has the usual rectangular form and is provided with a vertical wall at one end and an overhanging projection 9 at the other end for locking engagement with the bail member of the handle portion, as hereinafter more fully described.

10 are a plurality of screws, usually two in number, passing down through the fixed member 8, through the plate of the cap piece 3, and screwing into the main body 1 to secure said parts together in a substantial and economical manner.

The removable sad-iron handle, heretofore referred to, consists of the usual longitudinal grip member 11, and bail member 12, having a substantially U-form, with its lower longitudinal bar 13 adapted to bear upon the top of the cap piece 3, as shown; in the arrangement shown in the drawings the bar 13, is formed with a longitudinal opening for the passage of the aforesaid longitudinal fixed member 8 of the latch mechanism, with a marginal end wall of such opening beneath the overhanging projection 9 of said fixed member when the parts are in a normal engaged position.

14 is a latch dog pivoted to the bar 13 and adapted to drop by gravity against the vertical end wall of the fixed member 8 aforesaid to lock the parts in an engaged condition.

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

1. The combination of a sad-iron body provided at its lower edge with a marginal ledge, a skirted cap piece adapted to envelop the portion of the body above said ledge and provided with a marginal bead on its lower end covering the seam between the parts, a fixed latch member arranged on the top of said cap piece, screws passing through said latch member and cap piece and screwing into the body to secure the parts together, and a handle provided with means for engaging the aforesaid latch member.

2. The combination of a sad-iron body provided at its lower edge with a marginal ledge, a skirted cap piece adapted to envelop the portion of the body above said ledge and provided with a marginal head on its lower end covering the seam between the parts, a crown of asbestos paper secured to the inner walls of the cap piece, a fixed latch member arranged on the top of said cap piece, screws passing through said latch member and cap piece and screwing into the body to secure the parts together, and a handle provided with means for engaging the aforesaid latch member.

Signed at Chicago, Illinois, this 14th day of February 1906.

JAMES M. HARPER.

Witnesses:

ROBERT BURNS,
M. H. HOLMES.