(No Model.)

R. J. MYERS.

SAD IRON.

No. 539,700. Patented May 21, 1895.

Fig. 1.

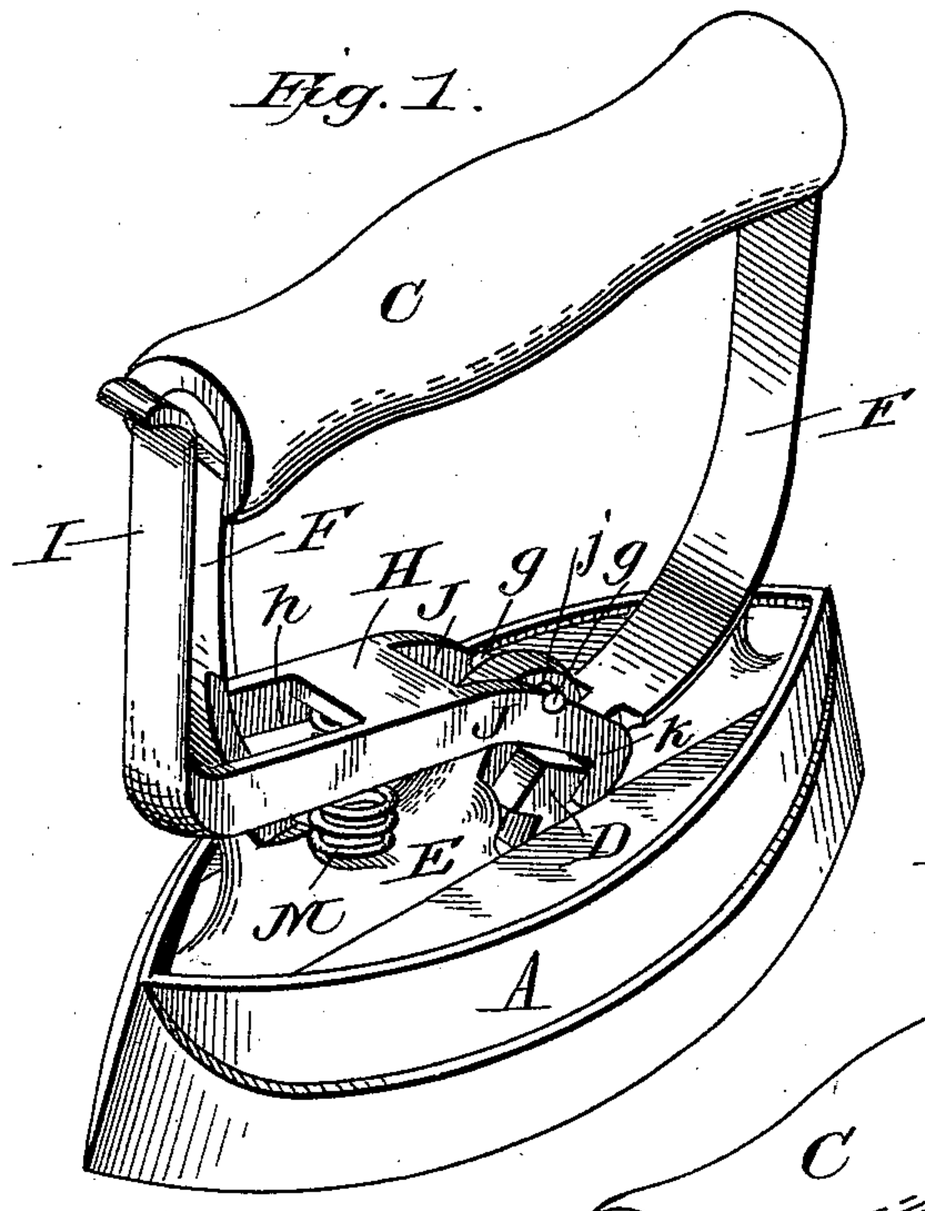


Fig. 3.

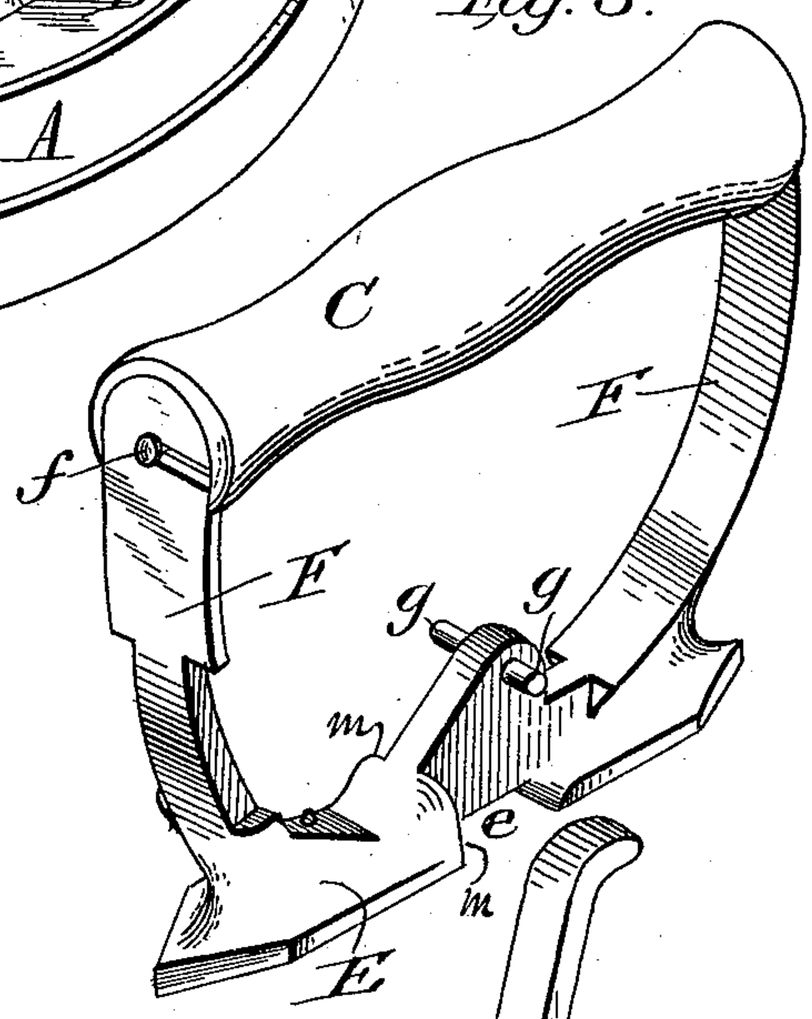


Fig. 2.

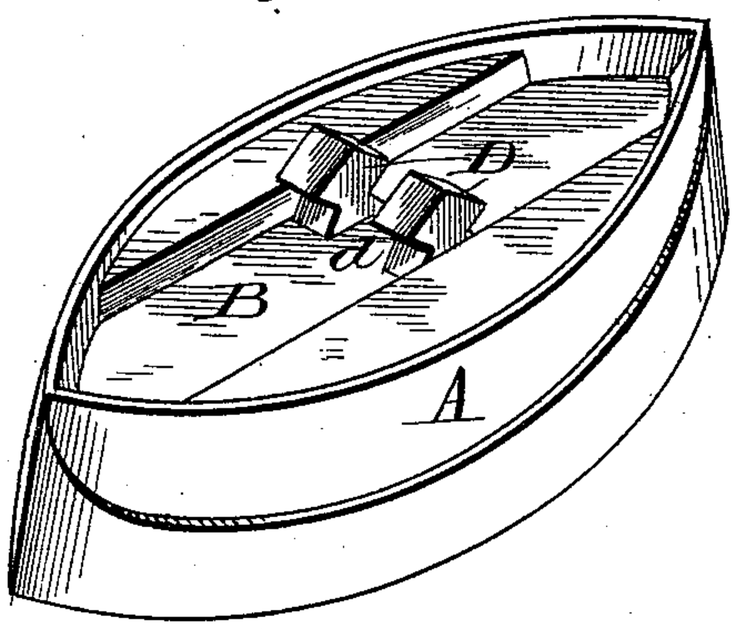
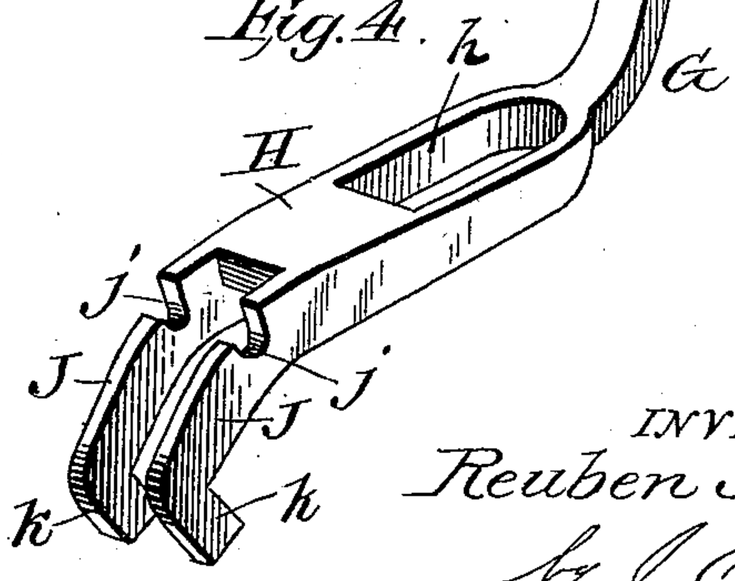


Fig. 4.



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SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 539,700, dated May 21, 1895.

Application filed August 13, 1894. Serial No. 520,199. (No model.)

To all whom it may concern:

Be it known that I, REUBEN J. MYERS, a citizen of the United States, residing at Mount Joy, in the county of Lancaster and State of Pennsylvania, have invented certain new and useful Improvements in Sad-Irons; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The object of the present invention is the provision of a sad iron with a detachable handle which can be applied to the body of the iron with either end to without requiring the turning of either the iron or the handle end for end.

The invention consists of the peculiar construction and combination of the parts which will be hereinafter more fully described and claimed, and which are illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a sad-iron embodying the invention. Fig. 2 is a detail view of the body of the iron. Fig. 3 is a detail view of the handle removed from the iron and having the latch detached. Fig. 4 is a detail view of the latch as it appears detached from the handle.

Similar letters indicate corresponding parts in the several views.

The letter A represents the body of a sad iron of usual form. In the upper face, a seat B is formed to receive the base of the handle. This seat may be of any desired form and is designed to receive the base of the handle and hold it from lateral or other sliding movement in any direction. It is preferably a recess the edges of which embrace the edges of the base of the handle. Arrow shaped catches D are centrally disposed with respect to the mass of the iron to equalize the weight on the handle. A space *d* is provided between the catches for the reception of the reduced part *e* of the handle.

The handle is composed of a base E, upwardly curved arms F, and a hand-hold C, the latter being of wood or other non heat conducting material and recessed in the ends to receive the ends of the arms F, which latter are secured by pins or fastenings *f* to the said part C, said pins passing through a notch in one edge of the arms. This notch is formed in casting the handle and obviates the necessity of boring the arms to provide for the passage of the pins therethrough. The base E simply fits the seat and is sufficiently broad to obtain a firm purchase thereon and prevent careening of the handle in the event of lateral stress when using the iron. The base is notched in its sides at diametrically opposite points to receive the catches, the reduced part *e* entering the space *d*. This reduced part *e* projects vertically and has side extensions *g* which constitute fulcra or pivots for the latch lever G to turn upon. Both ends of the seat B and the base E are similarly constructed so that the handle can be placed in the seat and attached to the body of the iron with either end to.

The latch lever G comprises a horizontal portion H, a vertical portion I and a rear downwardly curved end J, the latter being cleft to receive the reduced part *e* and extend on each side thereof. Notches *j* receive the pivots *g* and the hooked ends *k* engage with the catches D. The vertical walls *m* bear against one side of the catches and act in opposition to the hooked ends *k* of the latch lever to hold the handle in place. An opening *h* in the forward end of the part H receives one arm F which passes therethrough. The end of the vertical part I curves and is sufficiently broad to form a seat for the thumb or finger when operating the latch and terminates about on a level with the top of the part C. A spring M is interposed between the base and the horizontal part H to operate on the latch to hold the hooked ends in position to engage with the projections or catches D. That portion of the lever between the opening *h* and the cleft ends forms a seat for the upper end of the spring, the lower end being seated on the base.

The operation of the invention will be readily understood. The handle is attached by placing it opposite and in register with the seat B. The projections or catches D will come opposite the part *e*. On pressing down on the handle the latch will yield and engage with the catches. To detach the handle the part I is pressed upon which causes the latch

lever to turn on its pivots and release the catches.

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

1. A sad iron having a seat in its upper face with surrounding walls, a pair of arrow shaped catches having a space between them centrally disposed with respect to the said seat, a handle having its base constructed to be reversibly and removably fitted in the seat by a direct vertical movement, the sides of the base being reduced at a central point to fit between and receive the catches, one wall of the reduced base bearing against one side of the catches, and a latch pivoted to the said reduced portion and engaging with the opposite side of the said catches, said latch extending horizontally and vertically within convenient reach of the thumb or finger, substantially as described.

2. A sad iron having a seat in its upper face, and centrally disposed arrow shaped catches spaced apart, a handle removably and reversibly attached to the iron and having a central reduced base provided with lateral extensions, a latch lever having a horizontal portion terminating in a cleft end which embraces the sides of the reduced base portion and is notched to receive its lateral extensions, and having a vertical member which extends within convenient reach, and a spring to normally hold the latch lever in engagement with the catches, substantially as described.

In testimony whereof I affix my signature in presence of witnesses.

REUBEN J. MYERS.

Witnesses:
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