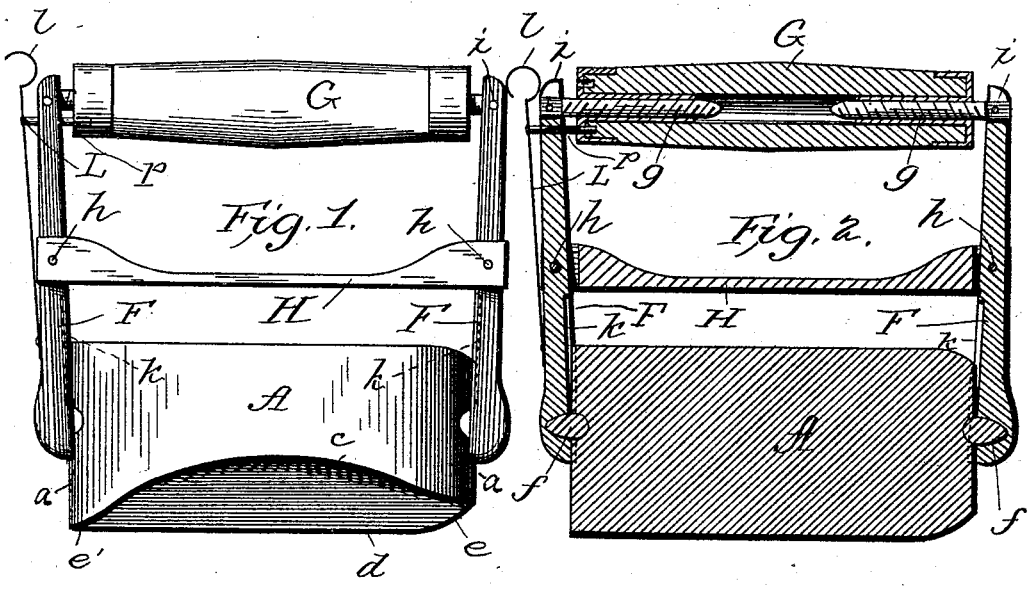
(No Model.)

H. I. NOBLE.

SAD IRON.

No. 494,020. Patented Mar. 21, 1893.



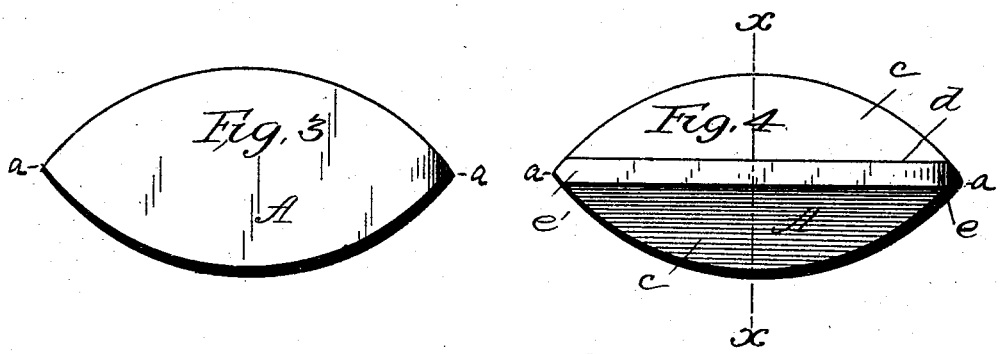
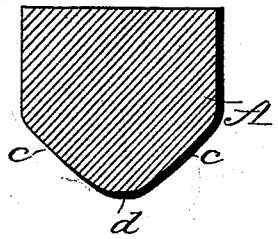


Fig. 5.



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UNITED STATES PATENT OFFICE.

HARRIET ISABEL NOBLE, OF NEW YORK, N. Y.

SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 494,020, dated March 21, 1893.

Application filed December 17, 1892. Serial No. 455,470. (No model.)

To all whom it may concern:

Be it known that I, HARRIET ISABEL NOBLE, a citizen of the United States of America, residing at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Sad-Irons, of which the following is a specification.

My invention is an improvement in sad-irons. It belongs especially to the class of reversible sad-irons, and my object is to provide a sad-iron having a plane face for ordinary work and a face specially fitted for ironing seams. I have sought in this way to avoid the expense and trouble of having a separate iron for the different kinds of work.

My invention is illustrated in the accompanying drawings, in which—

Figure 1, is a side elevation of the sad-iron made in accordance with my invention. Fig. 2, is a vertical longitudinal section taken through the center. Fig. 3, is a plan view of the ordinary face of the iron. Fig. 4, is a plan view of the seaming face. Fig. 5, is a section on line *x*—*x* of Fig. 4.

In the drawings A, represents the sad-iron proper. This iron is formed with curved sides which meet and form an edge *a*, at each end. One face shown in Fig. 3, is a plane face and is designed for ordinary work on broad plane surfaces. The other face directly opposite is formed by beveling each side as shown at *c*, *c*, these bevels leaving a narrow surface *d*, extending from edge to edge of the iron or from front to rear and lying equally on each side on a line drawn between the front and rear edges. This surface last described is designed for ironing seams, and it is made of a width suited to the purpose by the amount of bevel on each side. The forward end of this narrow seam pressing surface extends in the same plane which is parallel with that of the broad face heretofore described, quite forward to the front edge of the iron, so that the forward end of the seam ironing surface is approximately V shaped as at *e'*. This forms a suitable front edge for opening the seam. The rear end of the seam pressing surface is curved as shown at *e*, to facilitate the movement of the iron in turning laterally when upon the seam and to avoid catching as the iron would be likely to do, if a square corner were left as at the front end. The pressing faces being upon opposite sides, the iron is mounted upon pivots *f*, located in a plane taken through the front and rear edges. These pivots have their bearings in the lower ends of lever arms F, which are pivoted upon the ends of a guard plate H, the pivots being at *h*. The upper ends of the lever arms are connected by right and left hand screws *g*, with a handle G. These screws are pivoted at *i*, in slots in the upper ends of the lever arms. It will be apparent that as the handle is turned in one direction the upper ends of these arms are drawn inward, and are pressed outward by the reverse movement of the handle. Therefore the handle is turned in one direction when it is desired to loosen the iron in its bearings for the purpose of turning or removing it. In order to hold the irons securely in place I have formed grooves *k*, in the inner faces of the lever arms, these grooves being in the same plane and in line with the longer axis of the arms. The grooves are fitted to receive the front and rear edges of the iron which when the lower ends of the arms are pressed inward is held in the grooves.

In order to hold the handle against turning when the implement is in use I provide a spring catch L, having a thumb piece *l*. This catch is mounted upon one of the arms, preferably at the forward end of the handle and the thumb piece *l*, at the upper end, is in reach of the thumb when the hand is closed upon the handle, so that the point *p*, of the catch may be removed from any one of the holes or notches in the handle by pressure of the thumb while the handle is turned by the fingers.

I claim—

A sad-iron having curved sides terminating in front and rear edges, a plane face, and opposite thereto a narrow seam pressing face formed by beveling upon the sides and terminating at one end with the edge of the iron as set forth.

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

H. ISABEL NOBLE.

Witnesses:

NELLIE WOOD,

JOS. C. WOOD.