

(No Model.)

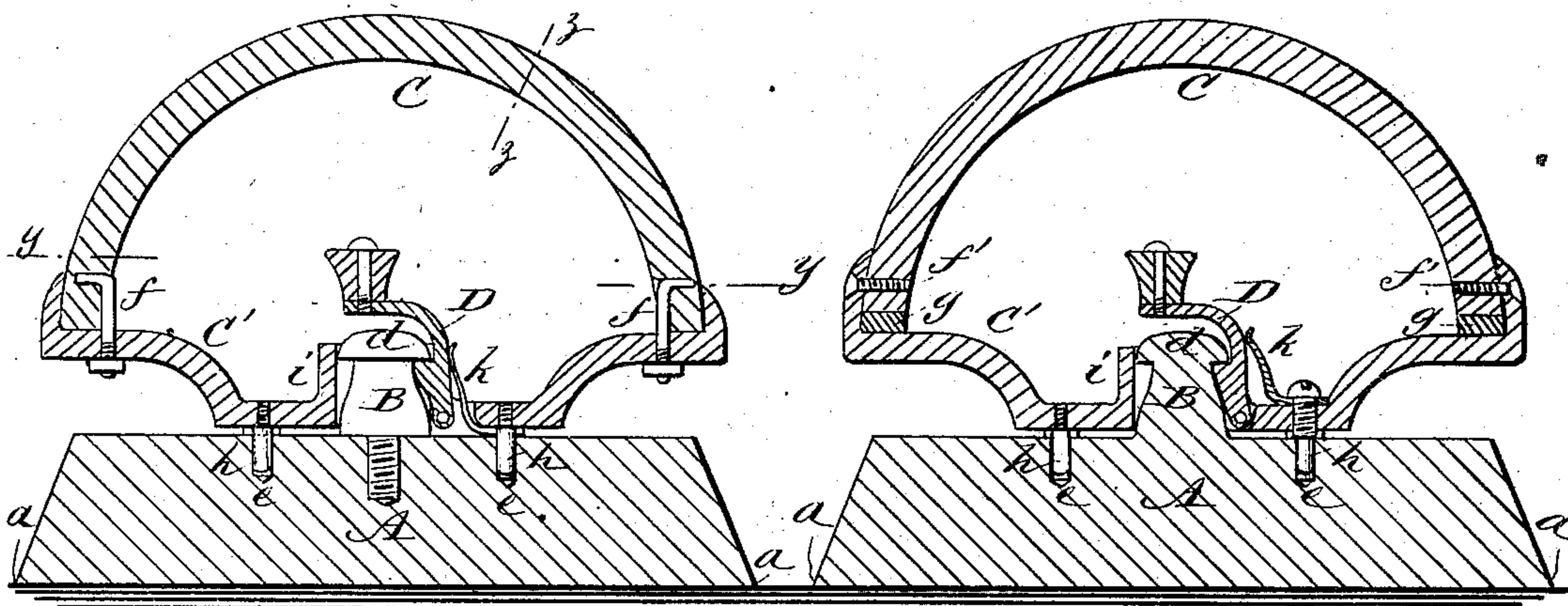
A. R. WHITE.  
SAD IRON.

No. 292,722.

Patented Jan. 29, 1884.

*Fig. 1*

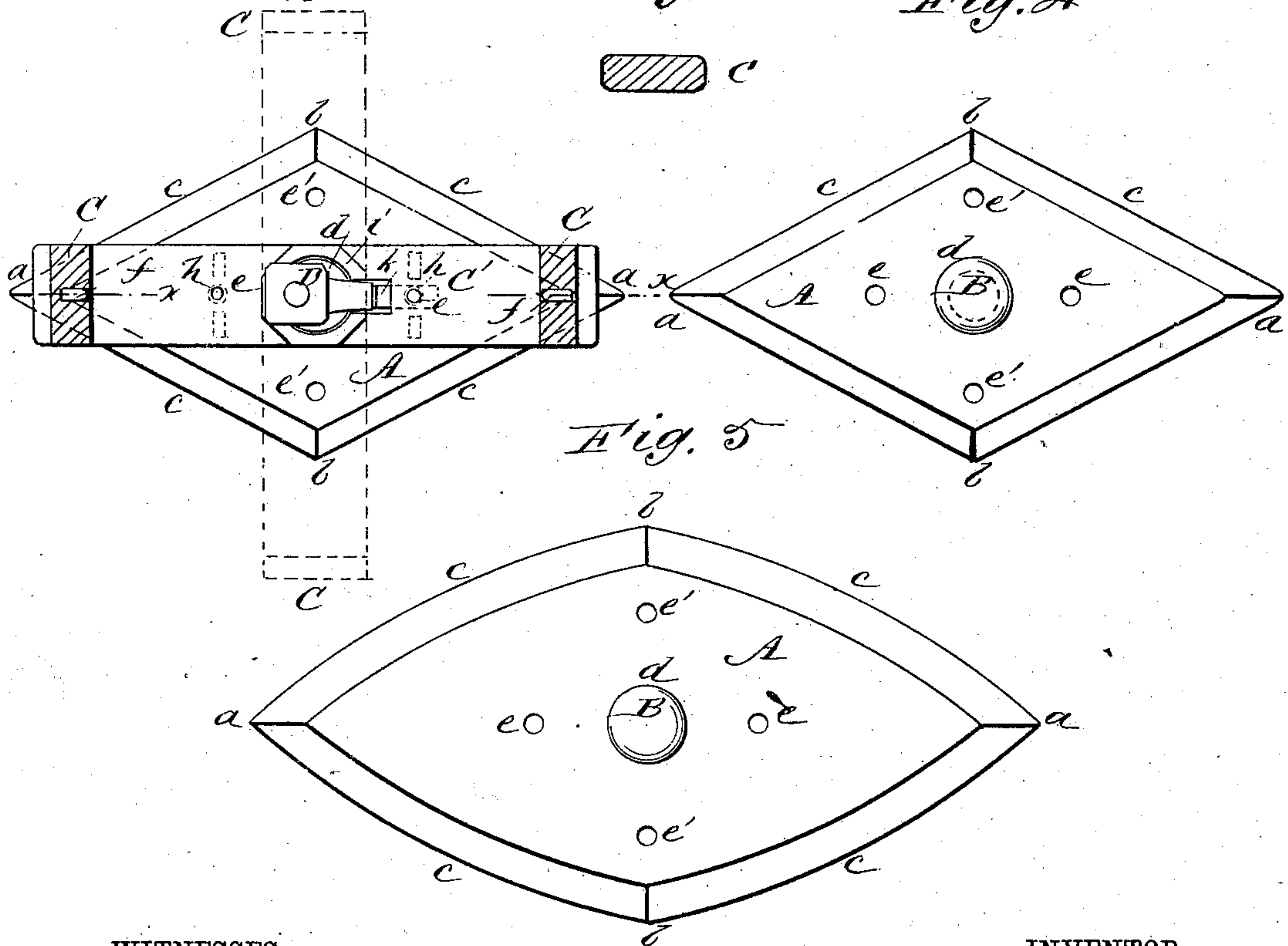
*Fig. 3*



*Fig. 2*

*Fig. 6*

*Fig. 4*



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# UNITED STATES PATENT OFFICE.

ALFRED R. WHITE, OF STEVENS POINT, WISCONSIN.

## SAD-IRON.

SPECIFICATION forming part of Letters Patent No. 292,722, dated January 29, 1884.

Application filed February 19, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, ALFRED R. WHITE, of Stevens Point, Portage county, and State of Wisconsin, have invented certain new and useful Improvements in Sad-Irons, of which the following is a full, clear, and exact description.

The object of the invention is to improve sad-irons, as hereinafter described, and pointed out in the claims.

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

Figure 1 represents a central vertical longitudinal section on the line  $x x$  in Fig. 2 of a sad-iron embodying the invention, and with a detachable handle adjusted in direction of the length of the iron. Fig. 2 is a horizontal section thereof on the line  $y y$  in Fig. 1. Fig. 3 is a similar section to Fig. 1, showing a certain modified construction of certain parts; and Fig. 4 is a plan view of the ironing block, body, or base-piece of the iron shown in Fig. 3. Fig. 5 is a plan view of a modified shape or construction of the ironing-block or base-piece; and Fig. 6 is a cross-section of the handle on line  $z z$ , Fig. 1.

A indicates the ironing-block or base-piece of the sad-iron, of greater length than width, as usual, but of approximately diamond or square shape, in order that it shall present at its opposite ends in direction of its length acute-angular terminations or points  $a a$  and obtuse-angular terminations or points  $b b$  on its opposite sides in direction of its width. The meeting sides or surfaces  $c c$ , by which the angles are formed, may either be straight, as shown in Figs. 2 and 4, or curved, as shown in Fig. 5.

B is a post arranged to project upward from the center of the top of the base-piece A, and either cast thereon, as shown in Fig. 3, or made separate and secured to said base-piece by being screwed into the same or otherwise. Said post is constructed with a head,  $d$ , or with one or more recesses in its sides beneath its top, to provide for the engagement of a spring-catch with it, substantially as hereinafter described, for the purpose of holding a detachable handle, C C', to its place when adjusted to occupy a position either in direction of the length of

the iron or of its breadth, as shown by full and dotted lines in Fig. 2.

In the top of the base-piece or ironing-block A are also duplicate engaging-apertures  $e e e'$  for the handle on opposite sides of the center of said block in directions of both its length and width.

The detachable handle C C' may be constructed in part of a lower face-piece, C', and an upper bow, C, united with each other, either by bolts  $f f$ , as shown in Fig. 1, or by screws  $f' f'$ , as shown in Fig. 3; or they may be otherwise united; or, if desired, both parts made of a single piece. It is preferred, however, to make them separate, and only the face-piece C' may be of metal and the bow C of wood steamed and bent to secure a cool holding-surface for the hand, which construction Fig. 1 is supposed to represent. If desired, however, the bow C may also be of metal, and simply blocks  $g g$ , of wood or other non-conductor of heat, be interposed between the bow and face-piece, as shown in Fig. 3. The lower portion of the handle or face-piece C' is fitted with steady pins or screws  $h h$ , corresponding to the distance apart of the apertures  $e e$  or  $e' e'$ , which they fit, accordingly as the handle is adjusted lengthwise or crosswise of the iron, or said steady-pins might be projections from the base-piece A and fit into holes in the lower portion of the handle or face-piece C'. Said face-piece C' is also constructed with a socket,  $i$ , arranged to fit over or receive within it the post B, that, in addition to supporting the handle, centers it, to facilitate the engagement of the pins  $h h$  with the cavities or apertures  $e e$  or  $e' e'$ .

D  $k$  is a spring-catch attached to the face-piece C' of the handle, and engaging, when the handle is adjusted either into a lengthwise or crosswise position, as described, with the post B, to prevent removal of the handle, excepting by lifting or drawing back the catch. The spring  $k$  of this catch may either be fastened on the under side of the face-piece C', as shown in Fig. 1, or on top thereof, as shown in Fig. 3, and one of the pins or screws  $h$  be utilized to also secure said spring.

While the means herein described for adjusting the handle into a lengthwise or crosswise position relatively to the ironing-block or base-piece A may be more or less varied, the same



will be found very efficient and advantageous for the purpose.

When the handle is fitted or adjusted to stand lengthwise of the iron, the acute-angular terminations or sharp ends or points *a a* may be used to work into the folds of clothing, where a blunt end would not do, and when the handle is fitted or adjusted to stand crosswise of the iron said iron will be found better adapted than the ordinary-shaped sad-irons for ironing large articles—such as sheets and pillow-cases, for instance—inasmuch as it will iron a very much larger surface of cloth at or during each stroke.

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

1. The base *A*, provided with post *B* and holes *c c c' c'* at equidistance from the post, in combination with the handle having a base- 20 plate provided with a hub to receive the post and dowel-pins *h h*, as described, and means for fastening the hub to the post, substantially as set forth.

2. The combination, with the ironing-block 25 having post *B*, head *d*, and holes *c c c' c'*, of the face-piece *C'*, having socket *i*, and dowel-pins, as described, and the spring-pressed catch *D*, hinged to said face-piece, as and for the purpose specified.

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Witnesses:

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