

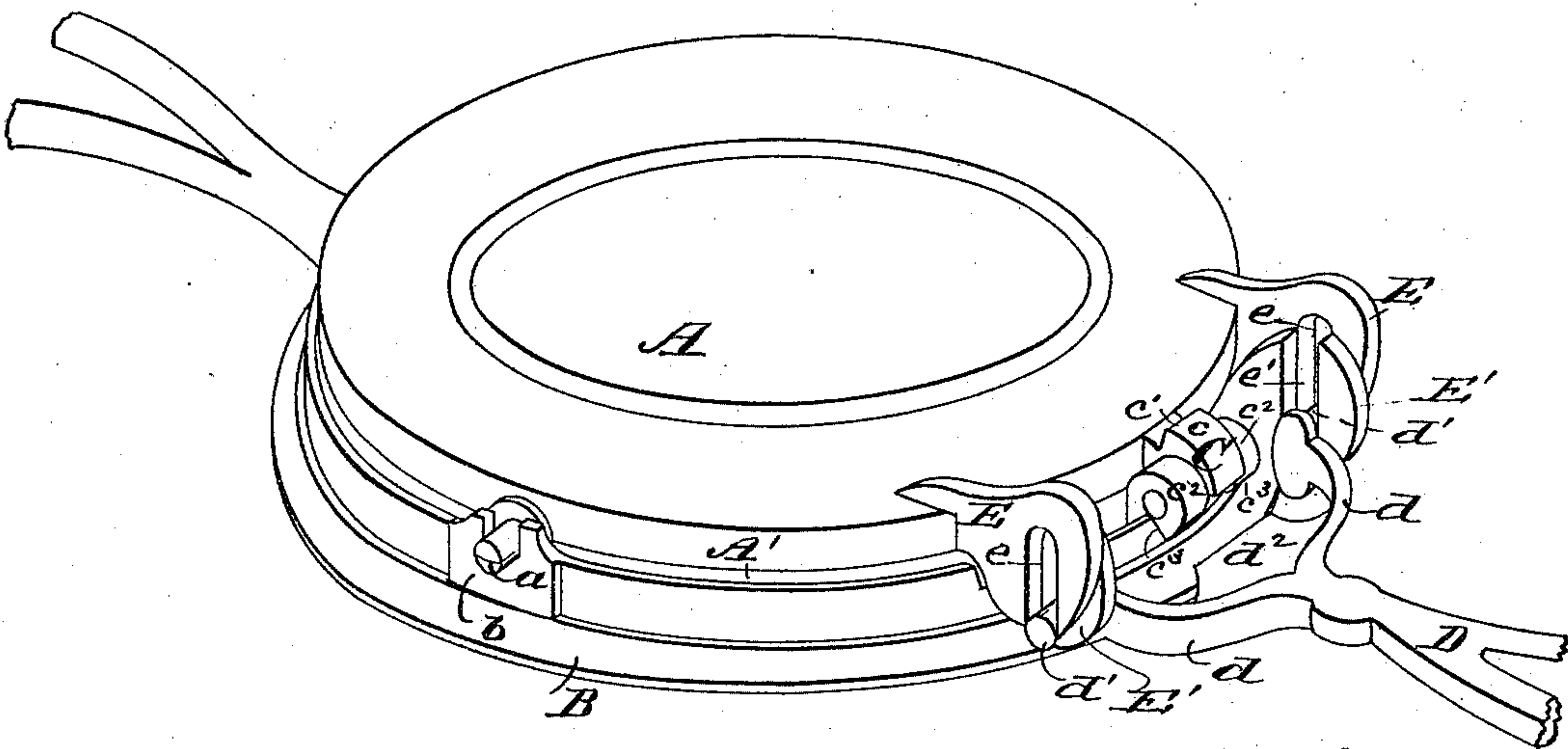
(No Model.)

D. H. NATION.  
Waffle Iron.

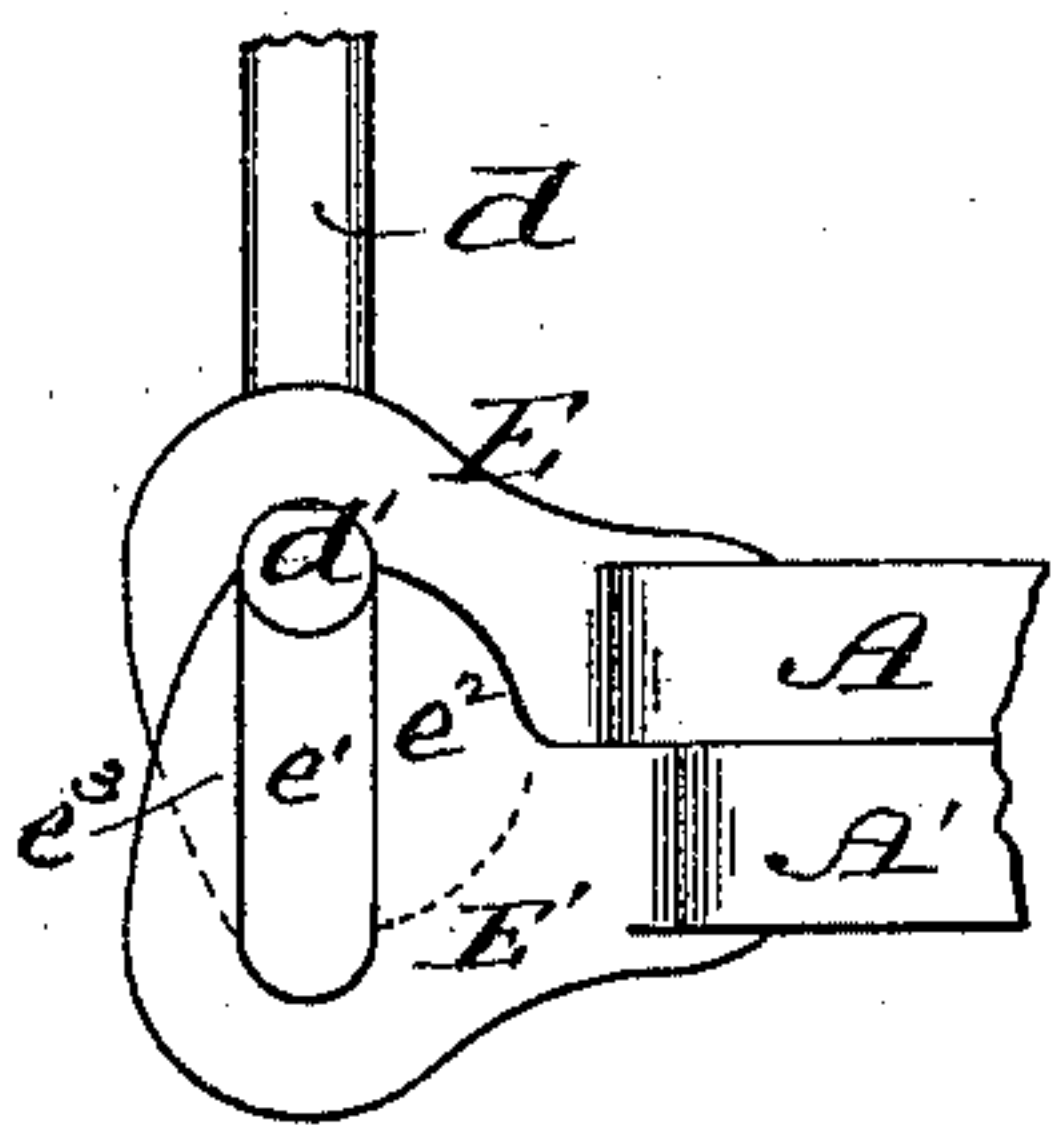
No. 232,055.

Patented Sept. 7, 1880.

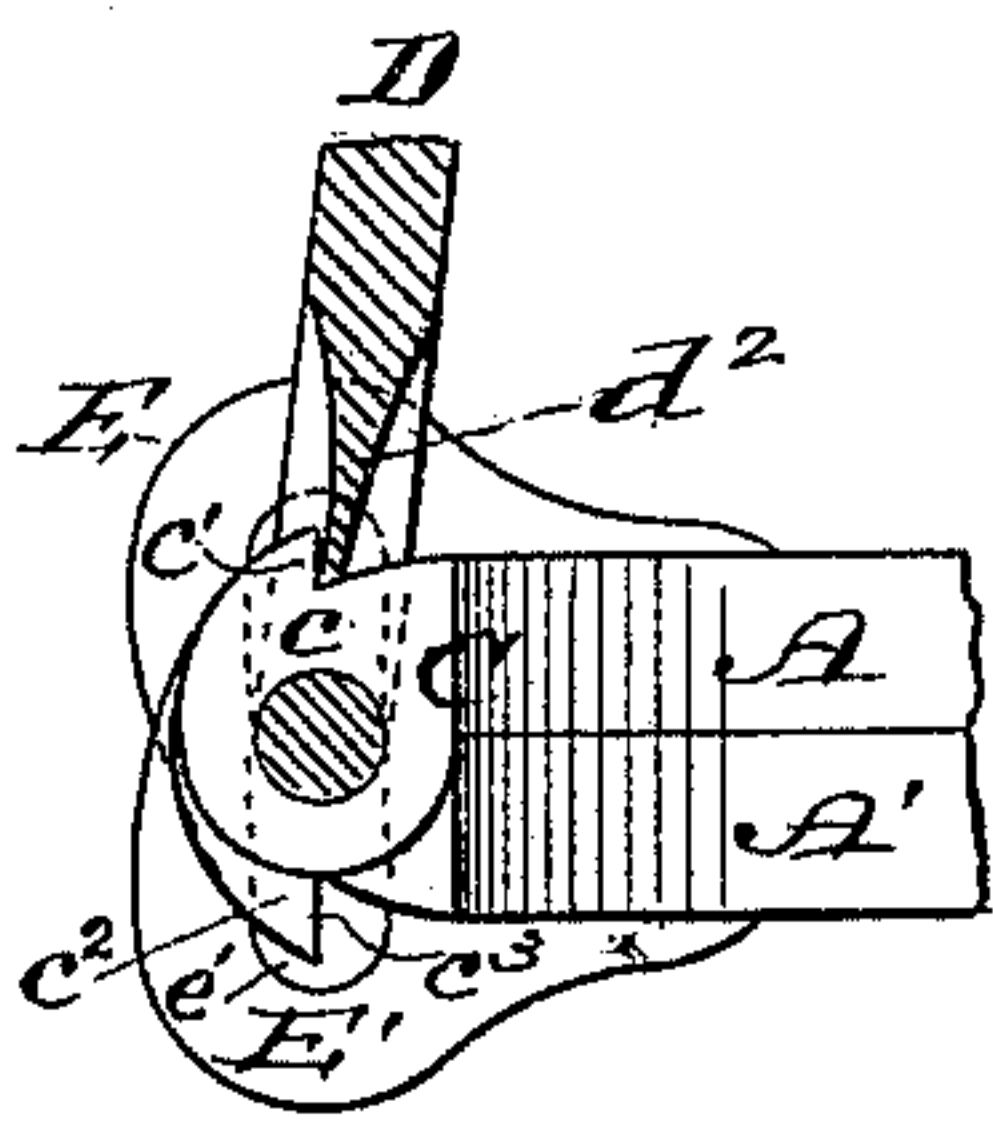
*Fig. 1.*



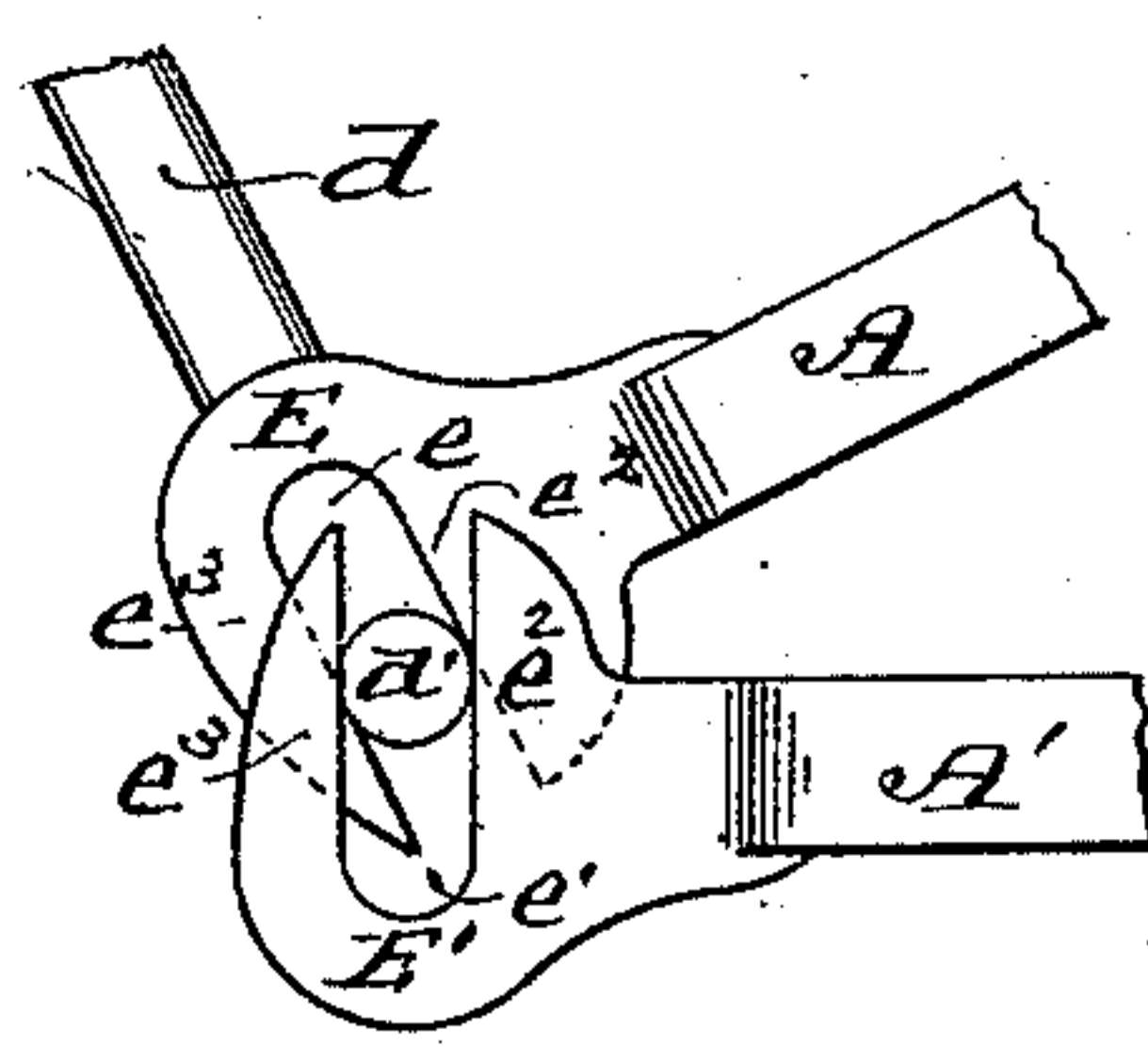
*Fig. 2.*



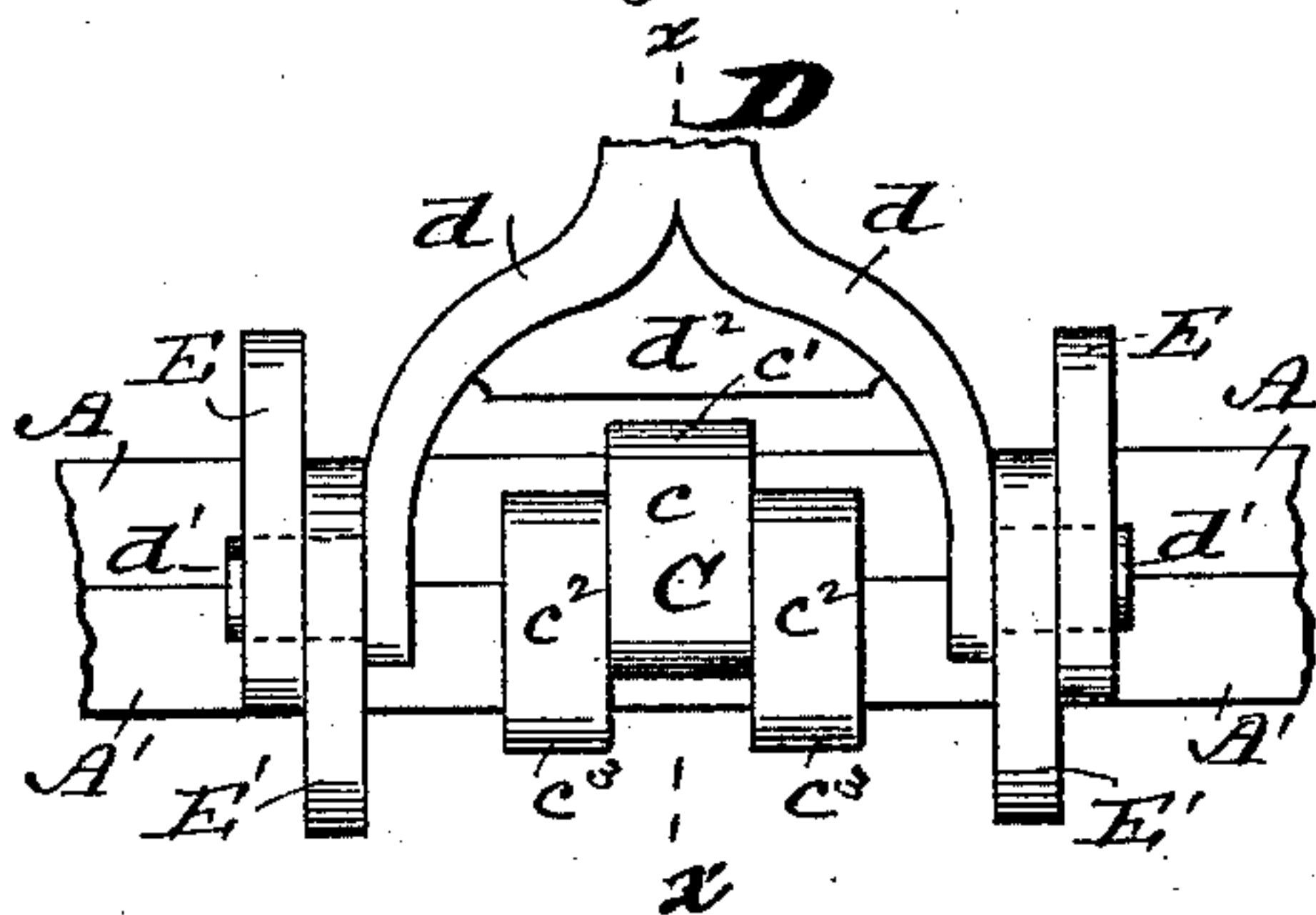
*Fig. 3.*



*Fig. 4.*



*Fig. 5.*



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# UNITED STATES PATENT OFFICE.

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## WAFFLE-IRON.

SPECIFICATION forming part of Letters Patent No. 232,055, dated September 7, 1880.

Application filed July 17, 1880. (No model.)

To all whom it may concern:

Be it known that I, DAVID H. NATION, of St. Louis, Missouri, have made a new and useful Improvement in Waffle-Irons, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a view, in perspective, of the improved waffle-iron, and Figs. 2, 3, 4, 5 details, being, respectively, a side view of the loops as when the iron is closed; a vertical section taken on line *xx* of Fig. 5; a side view of the loops as when the iron is opened, and an elevation looking toward the iron hinge, and showing the hinge, the loops, and the lower end of the lever used in opening and reversing the iron.

The same letters denote the same parts.

The present improvement has reference, mainly, to the lever used in opening and reversing the iron and the parts immediately therewith connected.

A A' represent the iron, provided with the trunnions *a a*, for turning in the bearings *b* of the frame B in the usual manner. The two parts A and A' of the iron are hinged together at C, the hinge-lug *c* of the part A having the shoulders *c'*, and the lugs *c<sup>2</sup> c<sup>2</sup>* of the part A' having the shoulders *c<sup>3</sup> c<sup>3</sup>*, of the customary form.

D represents the lever used in opening and reversing the iron. It is not pivoted between the hinge-lugs, or to any part connected with the hinge C, but at its lower end it branches into two arms, *d d*, which are similarly furnished with projections *d' d'*, that stand out at right angles to the lever, and that engage in the loops E E' E E'—that is, the parts A A' are similarly and respectively provided with the loops E E and E' E', and in the loops are slots *e e* and *e' e'*, in which the projections *d' d'* engage, as shown.

When the iron is closed, as in Figs. 1, 2, the slots *e* and *e'* of both pairs, E E' and E E', coincide, and the projections and lever are free to move up and down in the slots *e e'* as long as the loops are relatively in this position; but when the iron is opened the loops

cross each other, as seen in Fig. 4, and bind the projections. The advantage of this is as follows: The lever D, in opening the iron, is held so that the projection *d<sup>2</sup>* thereof comes against either the shoulder *c'* or the shoulders *c<sup>3</sup> c<sup>3</sup>*, according to the part of the iron that is uppermost. Now, as waffle-irons have heretofore been made, the lever, when the iron is opened, is very liable to be dislodged from the shoulders *c' c<sup>3</sup> c<sup>3</sup>*, and when this occurs the opened part of the iron falls suddenly down, occasioning trouble. By means of the present improvement this difficulty is avoided, and the lever is securely held against the shoulders *c' c<sup>3</sup> c<sup>3</sup>* in opening and closing the iron.

The inner parts, *e<sup>2</sup>*, of the loops of the lower part of the iron constitute the bearings against which the projections *d' d'* are pressed in opening the iron. At the same time, as seen in Fig. 4, the lever cannot, by reason of the outer parts, *e<sup>3</sup> e<sup>3</sup>*, of the same loops, be drawn out so as to dislodge the projection *d<sup>2</sup>* from the shoulders *c'* or *c<sup>3</sup> c<sup>3</sup>* as the iron may be turned. Thus the loop of that part of the iron that is underneath serves as a bearing for and also to secure the lever in moving the upper part of the iron.

In reversing the iron the projections *d' d'* come against the inner ends of the slots of the loops of the upper part of the iron.

The loops E E' and E E' being spaced considerably farther apart than the width of the hinge C enables the iron, in operating it, to be held more securely in a lateral direction.

I claim—

1. The herein-described waffle-iron having the hinge C, provided with the shoulders *c' c<sup>2</sup> c<sup>2</sup>*, the loops E E E' E', and the lever D, having the arms *d d* and projections *d' d'* and *d<sup>2</sup>*, substantially as described.

2. The combination of the iron A A', the loops E E E' E', and the lever D, having the arms *d d* and projections *d' d'*, substantially as described.

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