

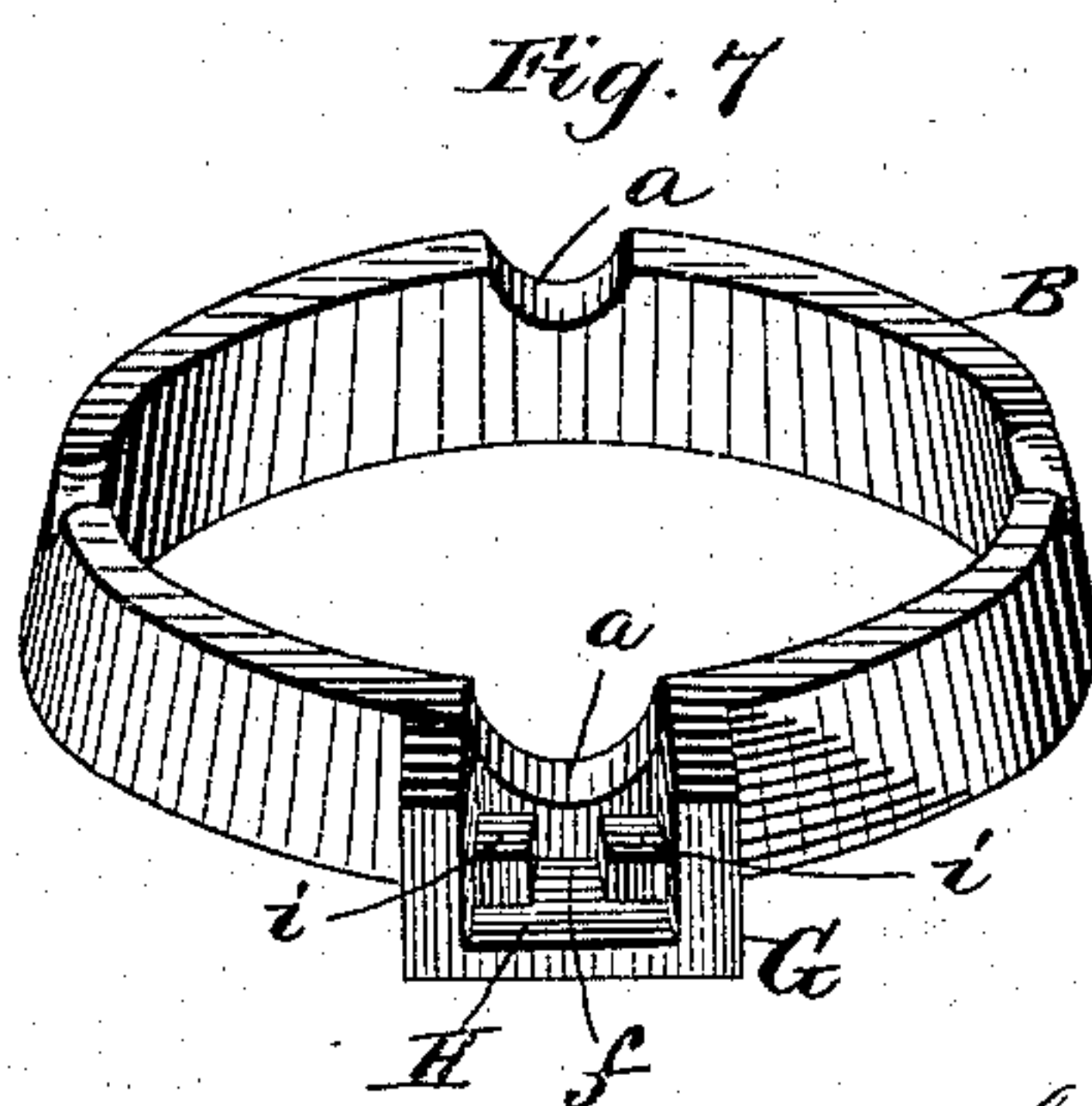
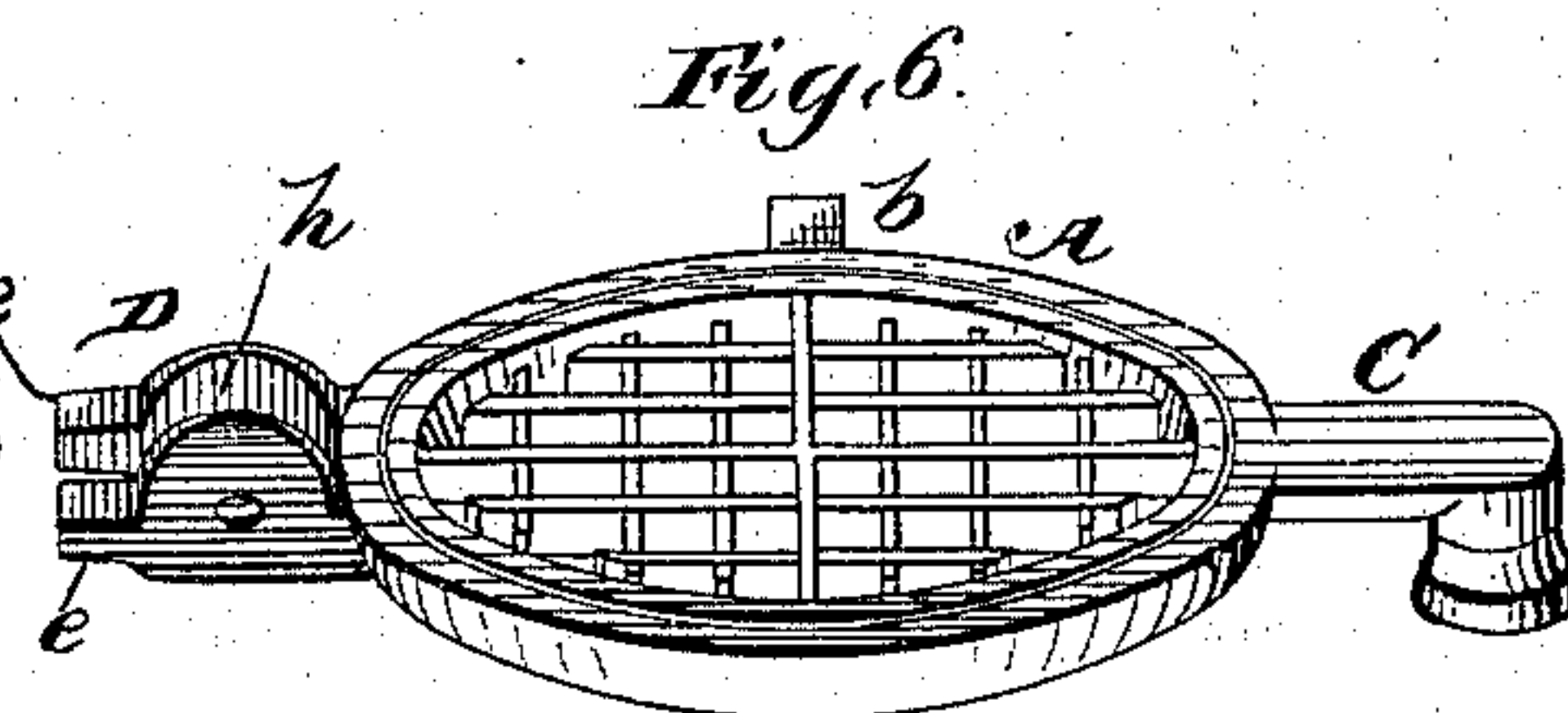
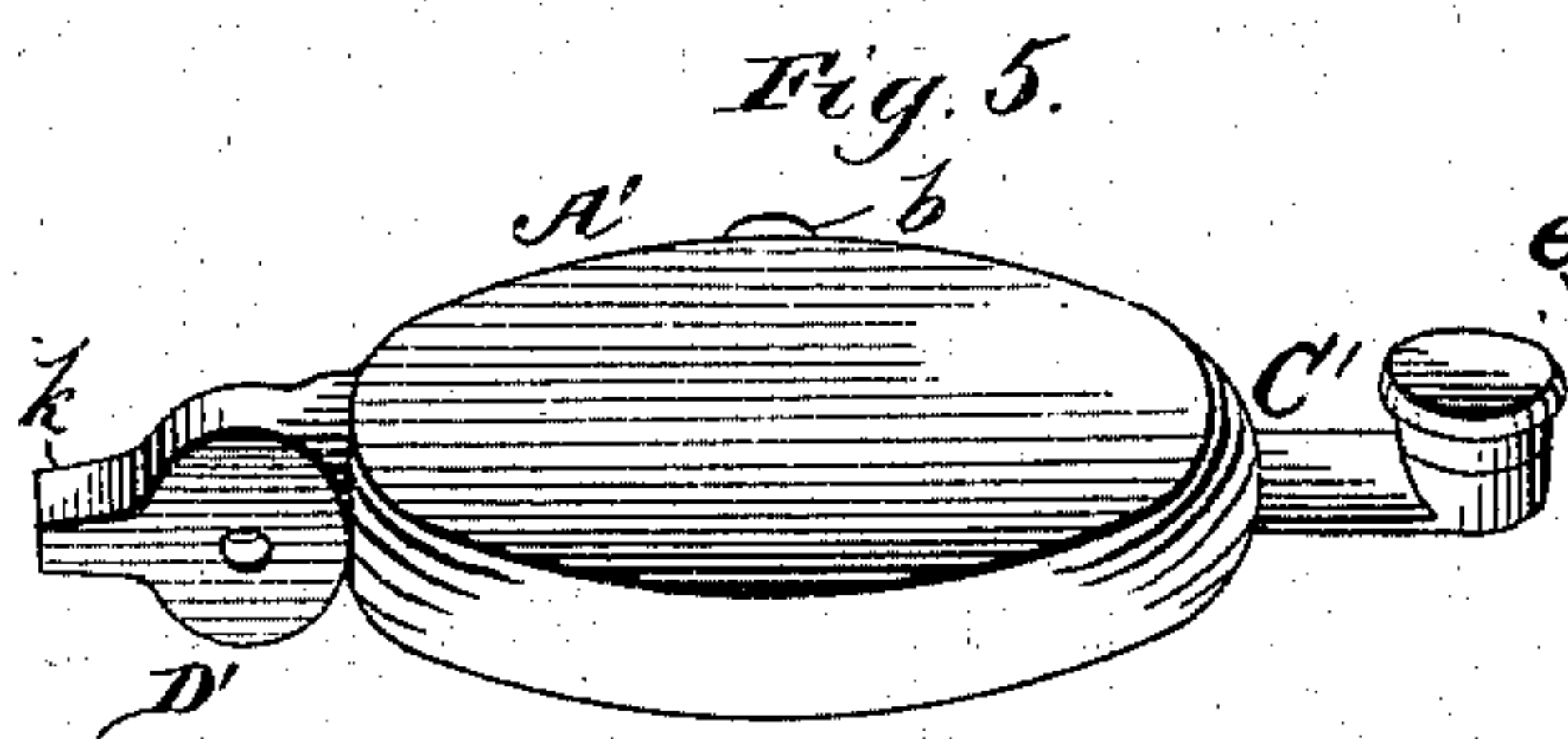
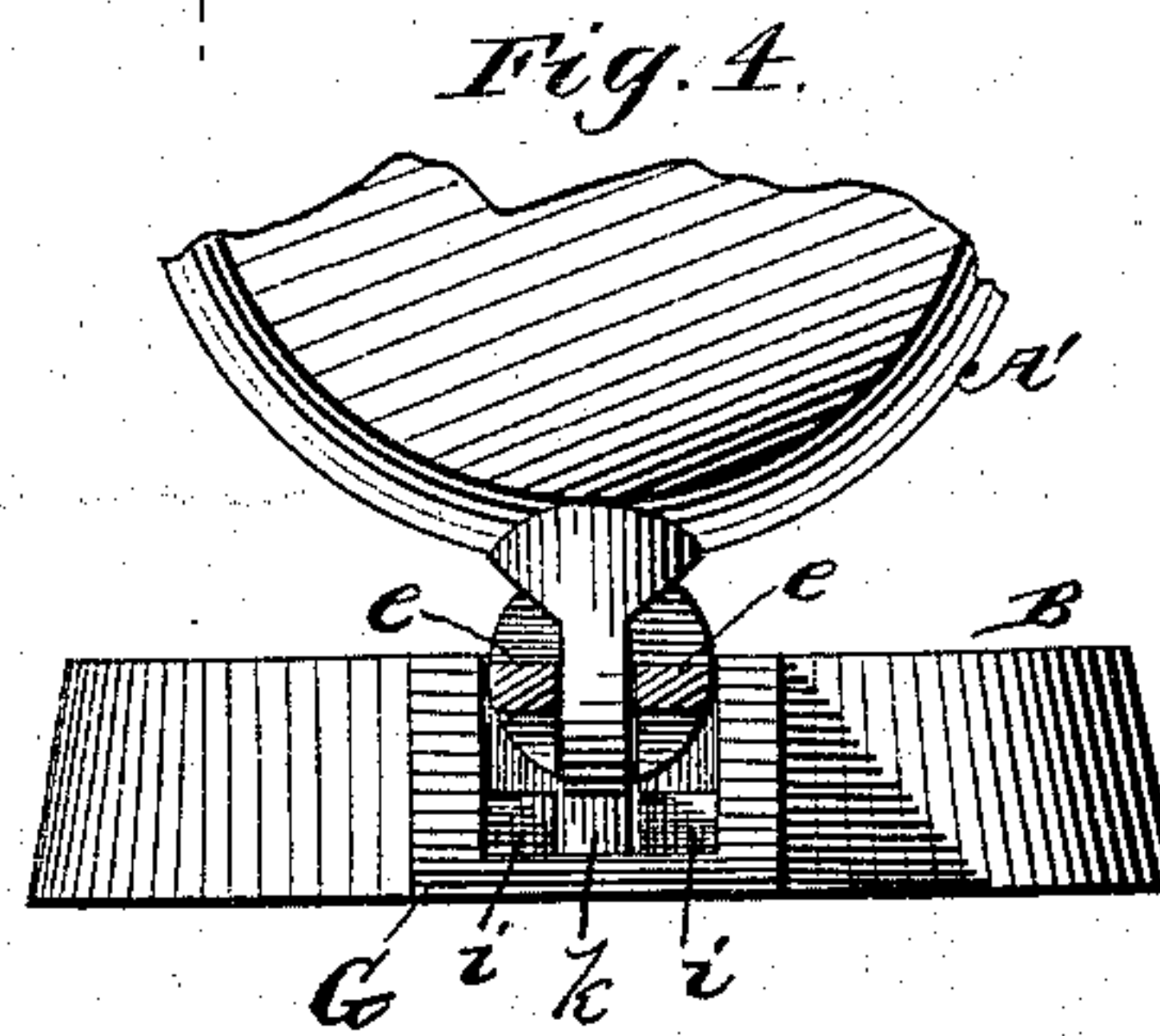
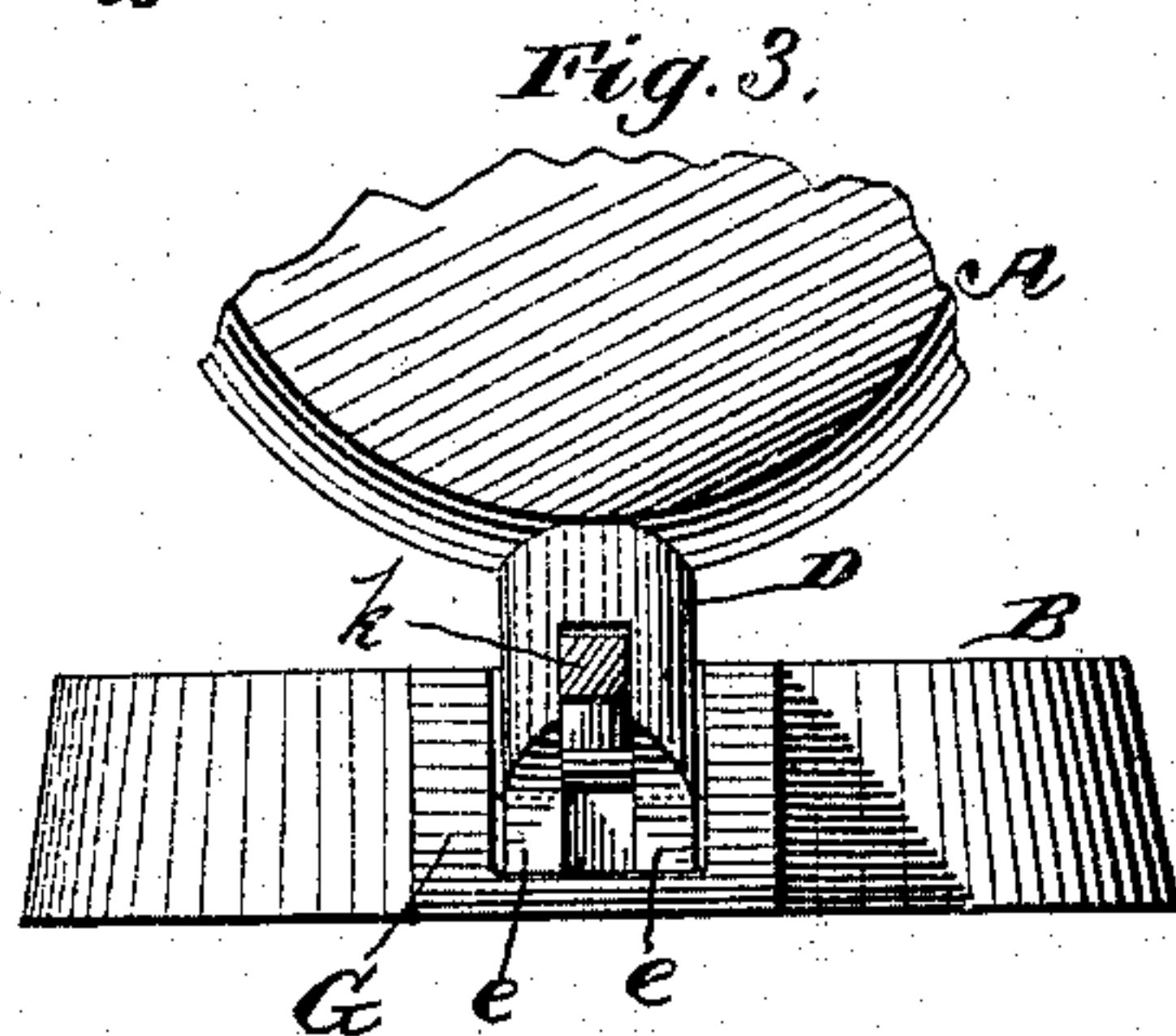
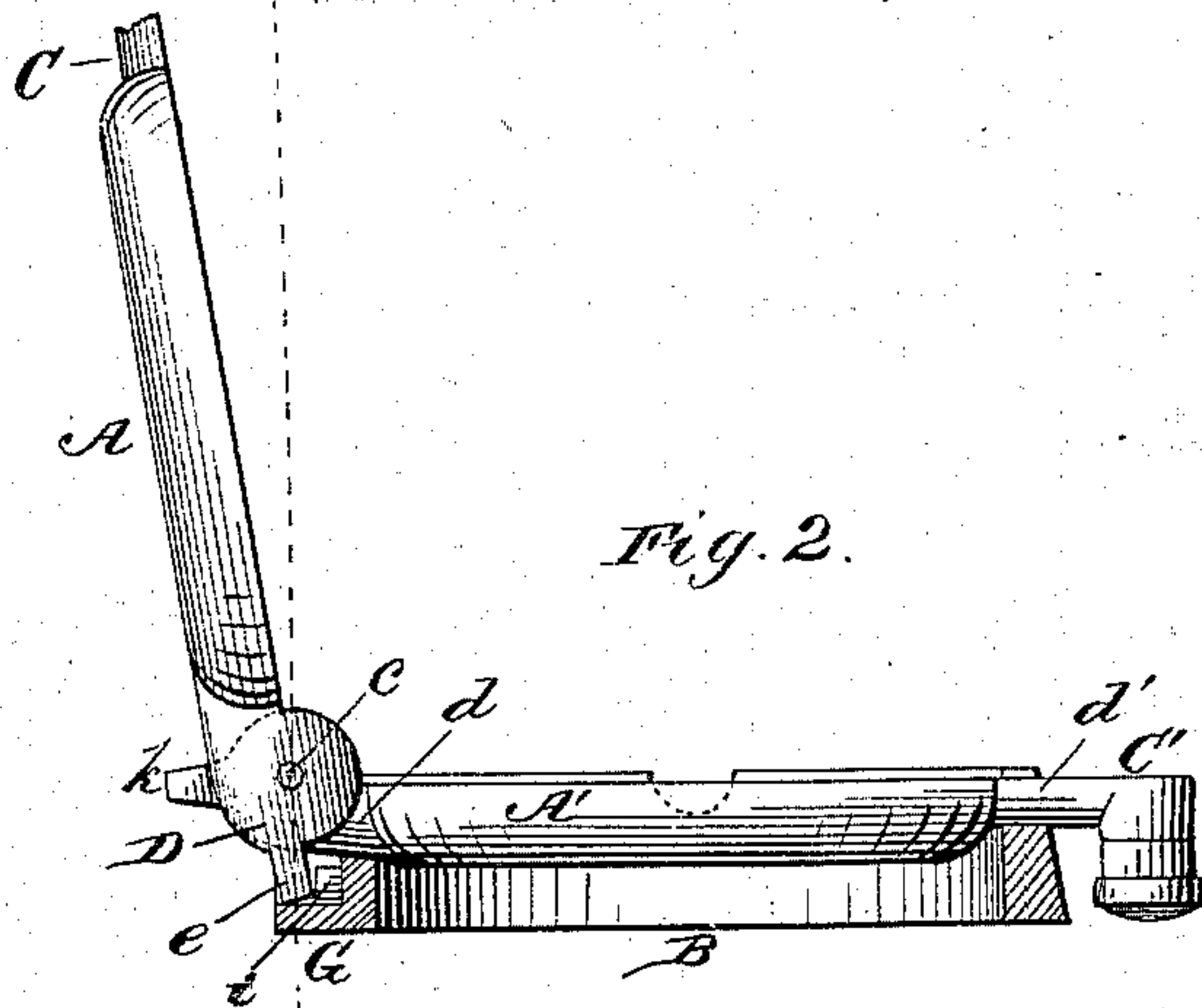
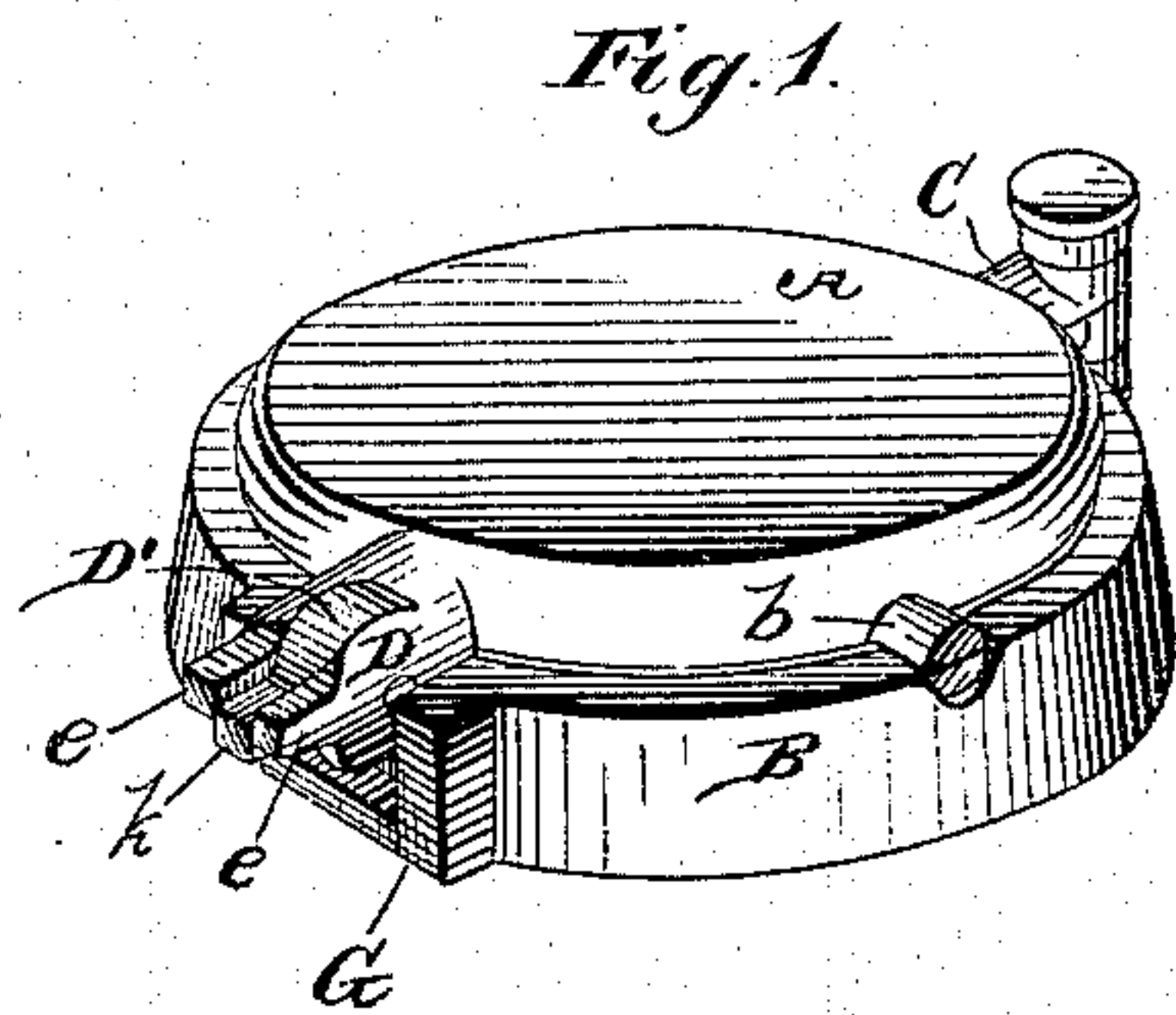
(No Model.)

C. B. CLARK.

WAFFLE IRON.

No. 249,305.

Patented Nov. 8, 1881.



Witnesses.

Jas. E. Hutchinson.

A. H. Galt.

Inventor.

Charles B. Clark,

by James L. Norris.
att'y

UNITED STATES PATENT OFFICE.

CHARLES B. CLARK, OF DETROIT, MICHIGAN.

WAFFLE-IRON.

SPECIFICATION forming part of Letters Patent No. 249,305, dated November 8, 1881.

Application filed August 27, 1881. (No model.)

To all whom it may concern:

Be it known that I, CHARLES B. CLARK, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented new and useful Improvements in Waffle-Irons, of which the following is a specification.

This invention relates to that class of waffle-irons which are rotated in journals in a supporting ring or base, and has for its object certain improvements in the construction of the hinge-joint, whereby either cover or portion of the pan is prevented from tilting and is supported in a vertical position when opened.

In the accompanying drawings, Figure 1 represents a perspective view with the parts in a closed position; Fig. 2, a sectional view with one of the pans or covers in an open position; Fig. 3, an end view of Fig. 1, showing a portion of one of the pans in an elevated position; Fig. 4, a view similar to Fig. 3, except that the position of the pans is reversed. Figs. 5 and 6 are views of the two pans or covers detached to clearly illustrate the construction of the joint, and Fig. 7 is a view of the supporting-base ring.

Similar letters of reference denote corresponding parts wherever used.

The letters A A' denote the pans or covers, resting, by means of journals *d d'*, in recesses *a* in the supporting-ring B, and provided with a stop-pin, *b*, at one side, resting in a recess in the ring B, to limit the rotation of the pans. The journal carrying the handle is formed of two parts, C C', and the journal forming the hinge has a peculiar construction, which is the main feature of my invention, the use and function of which I will now proceed to describe. This journal is formed of two sections or parts, D D', each cast in one piece with the pans or covers A A', respectively. The section D is constructed with a central longitudinal slot, *h*, in which rests the section D', connected thereto by a pivot-pin, *c*, thus forming a hinge for the pan. Upon the ring B, adjacent to the recess in which the journal-hinge rests, is formed a projection, G, having a recess, H, in the upper portion of which projects the hinge-journal D D'. In the two lower corners of the recess H are located steps or lugs *i i*, for a purpose to be presently explained.

It will be seen from the drawings that a small recess, *f*, is formed between the lugs *i i*, and when the iron is open, as shown in Fig. 4, and that the projecting end *k* of the section D' of the hinge rests in the recess *f* and holds the part A' of the pan in a vertical position and prevents the pan from tilting. It is preferred, however, in this construction to form the recess into which the projecting ends of the hinge extend when the pan is opened of such a depth that the opened cover will lean back slightly from the perpendicular before the projecting ends are arrested, thus providing against the liability of the cover accidentally slamming and closing. When the pan is closed and rotated a half-revolution the part A of the pan will be brought uppermost, and upon raising the cover A to a vertical position the projections *e e* of the section D of the hinge will rest in the recess H against the lugs *i i*, as shown in Fig. 3, and will prevent the pan from tilting by their bearing against the sides of recess H, and will also serve to support the cover A in an open position.

It will thus be seen from the foregoing description that I have contrived a very simple and effective device, the journal of which is utilized as a hinge in such a way as to greatly simplify the parts and avoid the employment of extra parts. It is cast in one piece with the cover and forms a single pivot-piece, and by its construction and the recessed projection on the supporting-ring the desired object of manipulating the pan and steadying either cover is obtained in a simpler, cheaper, and more effective manner than has hitherto been accomplished.

What I claim is—

The combination of a supporting base or ring, provided with a recessed projection containing lugs *i*, and the waffle-iron provided with a two-part hinge-journal having projections *e e* and *k*, substantially as and for the purpose described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

CHARLES B. CLARK.

Witnesses:

E. J. CLARK,
CHAS. FLOWERS.