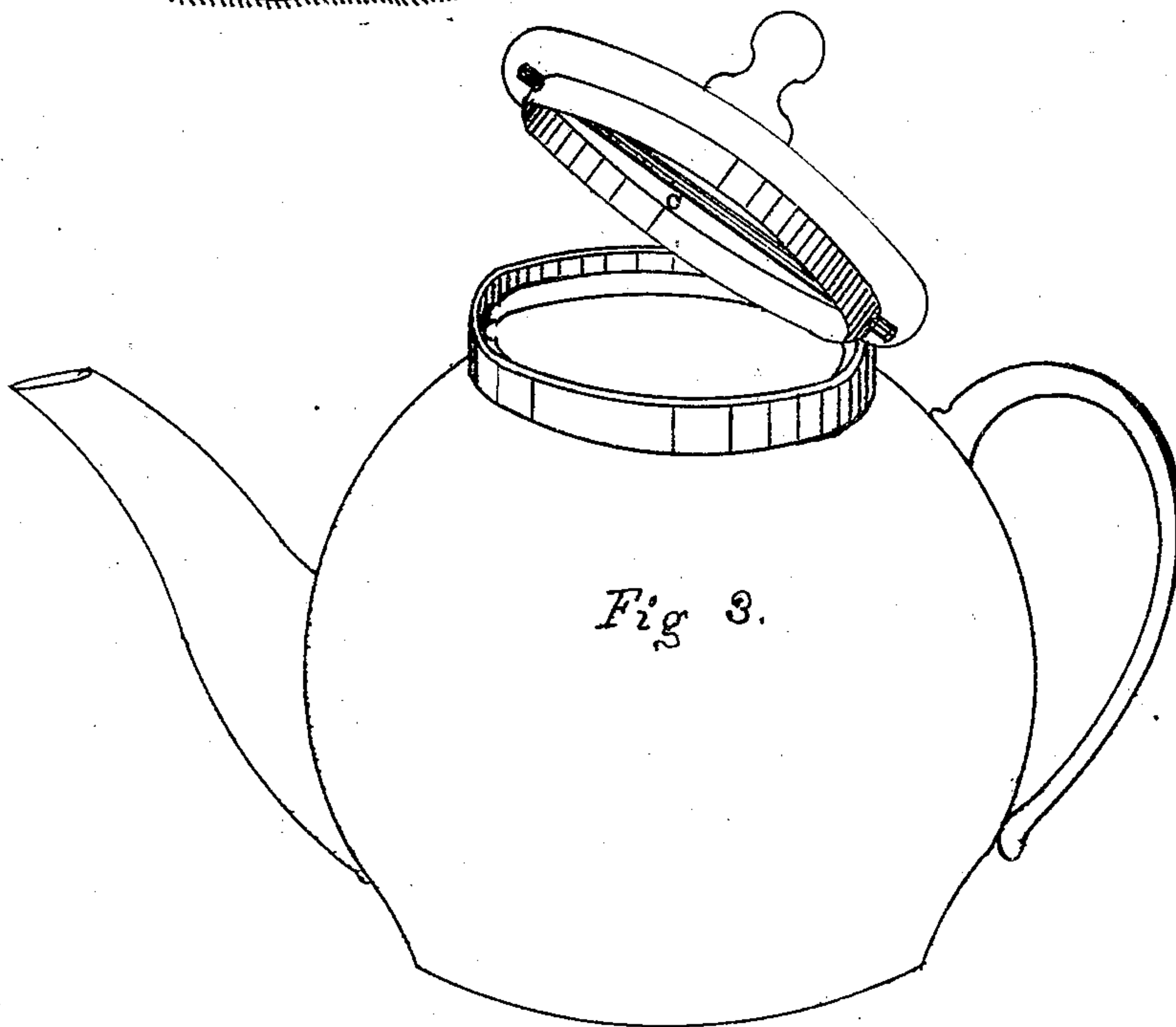
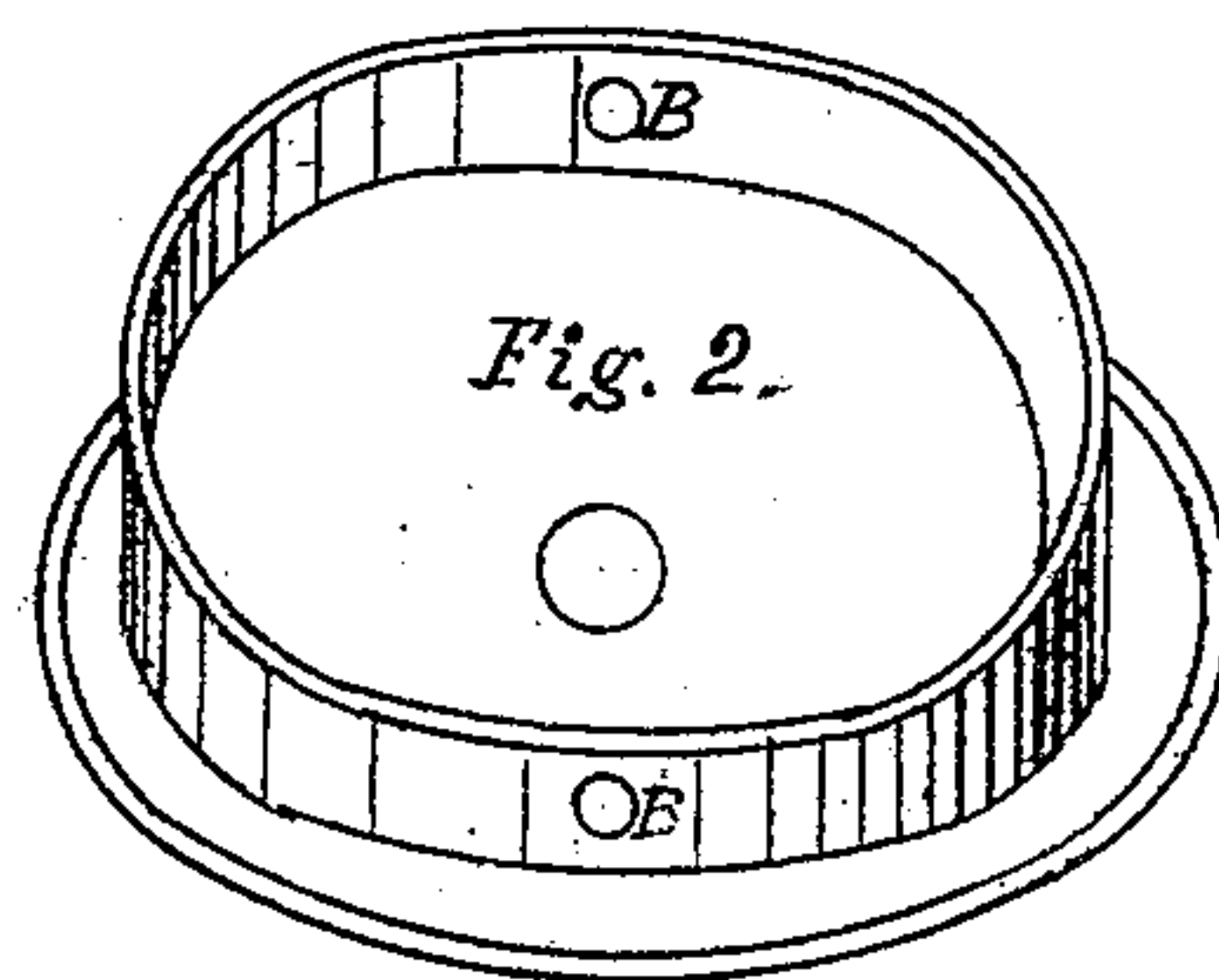
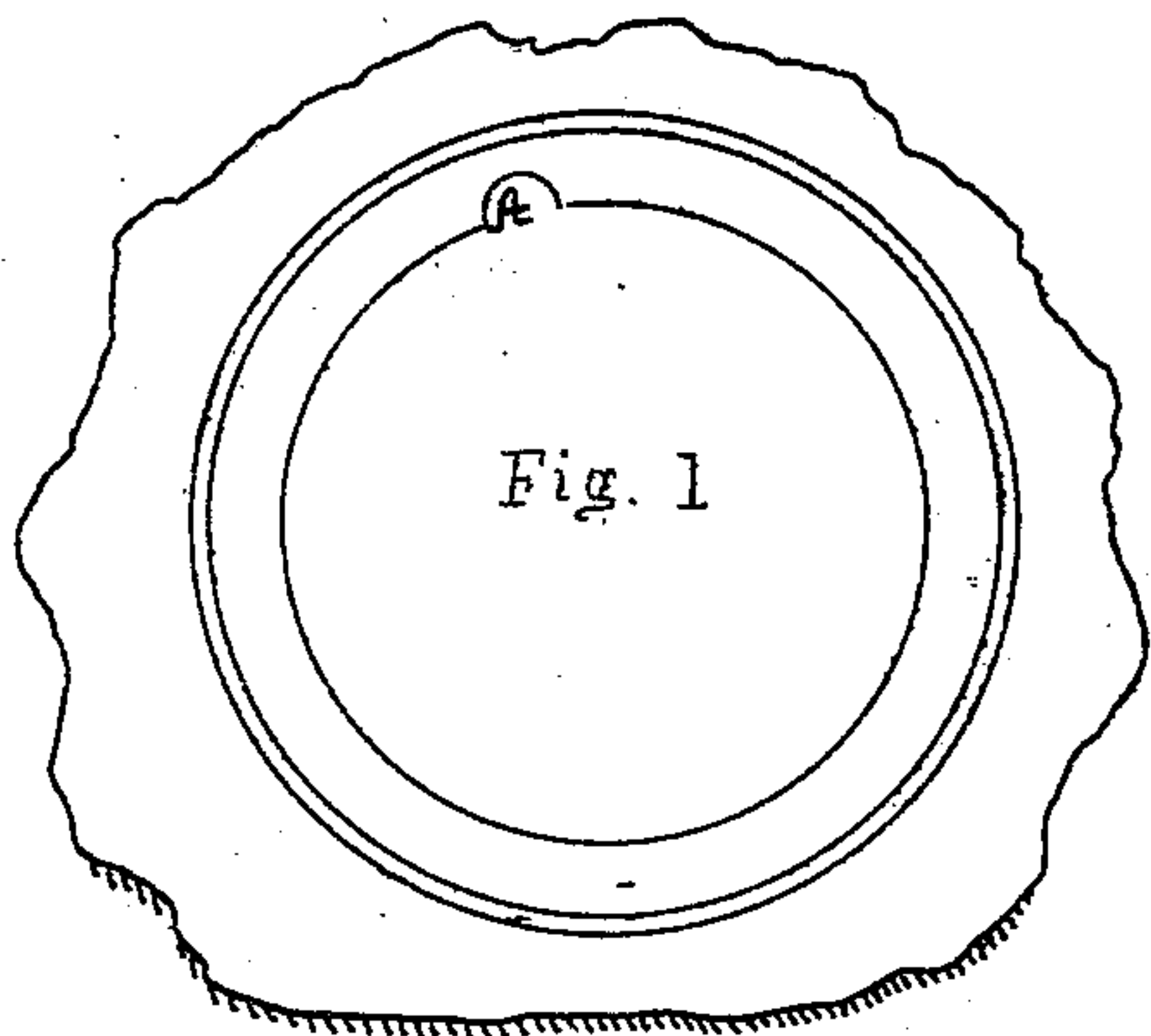


T. GRAHAM.
Tea-Kettles.

No. 151,381.

Patented May 26, 1874.



Witnesses,

Isaac Rehn
Henrietta Schubert.

Thomas Graham

UNITED STATES PATENT OFFICE.

THOMAS GRAHAM, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN TEA-KETTLES.

Specification forming part of Letters Patent No. 151,381, dated May 26, 1874; application filed April 24, 1874.

To all whom it may concern:

Be it known that I, THOMAS GRAHAM, of Philadelphia, Pennsylvania, have invented a Machine for the manufacture of Crockery-Ware, &c., of which the following is a specification:

My invention relates to the manufacture of pottery or crockery-ware, and is designed to supply an easy mode of securing the covers to such vessels as have to be tilted in pouring therefrom, and at the same time to facilitate the process of manufacture of the articles.

The extensive use of such vessels as tea-pots, and the low prices at which they are made, both seem to require these ends to be further secured.

The mode now employed is to attach projecting ears from the verge or rim of the cover inwardly, so that when the cover is on the ears shall point inwardly to catch the cover after it is turned beneath the ears.

The objections to this mode are twofold: First, that of causing a practical difficulty and delay, or loss of time in the manufacture, and the additional loss, during the many handlings in the work, by breakage of these projecting ears, which in practice amounts to a considerable percentage; and also, in the second place, to the breakage of these ears in the hands of the users or public.

My invention consists in the mode of obviating entirely the first of these objections, and also those second, by simplifying the process of manufacture and reducing the liability to breakage in the hands of both maker and user.

To do this, I make a vessel as usual, and while it is soft cut a slot in the notch or bottom of the rim on which the cover rests, as shown at Figure 1, letter A, in which A represents that slot. After making the cover, and while it is yet soft, I pierce with a wire or other suitable instrument two holes in line with the vent-hole of the cover, through the verge or rim, on opposite sides, as shown in Fig. 2, letter B. After the last burning, and when the vessel is otherwise finished, I insert a zinc-coated wire or other suitable rod through these two holes, of just length enough to pass through the slot, so that when the cover is turned it is secured to the pot. Fig. 3 shows the mode of attaching the cover, and also the inserted rod or bar C.

The object of my making the holes for the wire on opposite sides, in line with the vent-hole of the cover, is to facilitate the attachment of the cover to the vessel, and also its removal, by using the vent-hole as a guide to bring the wire to the slot.

Having described my invention, what I claim is—

As a new article of manufacture, an earthen cover for tea-pots, having a metal rod, *c*, passed through its annular flange, and forming projections to hold the lid in place, substantially as shown and described.

THOMAS GRAHAM.

Witnesses:

ISAAC REHN,
WM. REHN.