

CUSPIDOR.

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923,661.

Patented June 1, 1909.

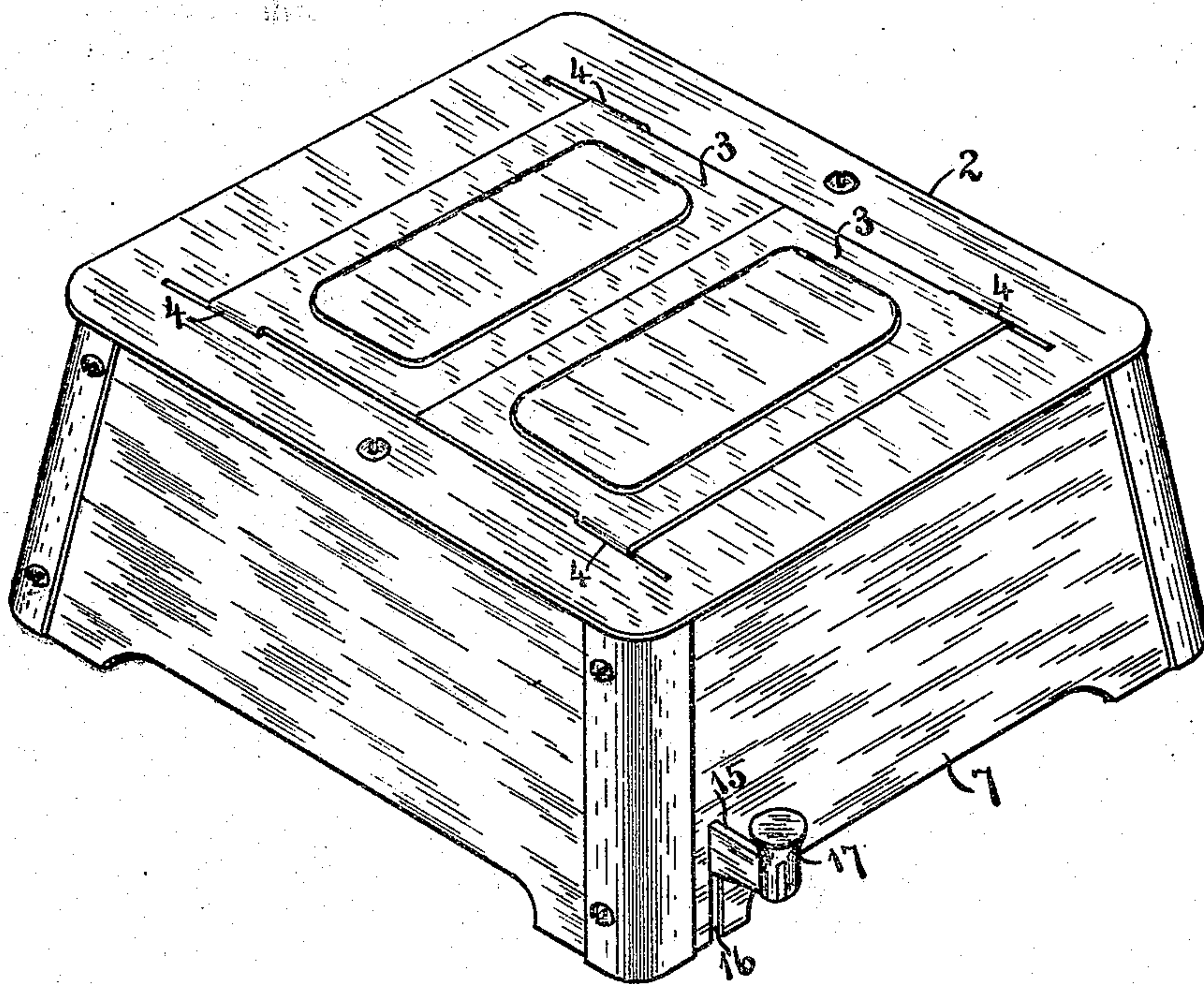


Fig. 1.

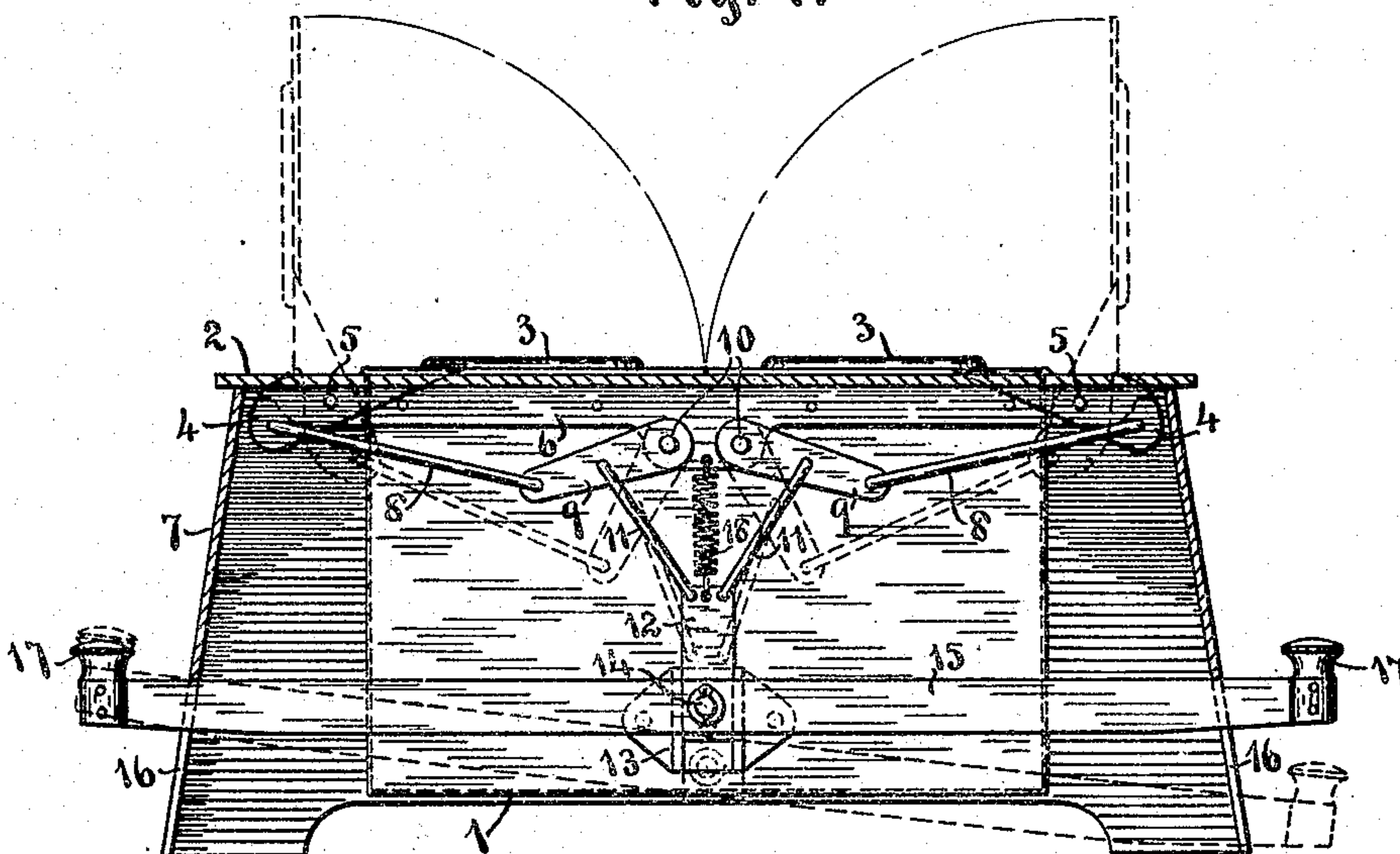


Fig. 2.

WITNESSES:

M. E. Verbeck.
Adrian

INVENTOR

Festus W. Kendall
BY
Eugene Diven
ATTORNEY

UNITED STATES PATENT OFFICE.

FESTUS W. KENDALL, OF ELMIRA HEIGHTS, NEW YORK, ASSIGNOR TO KENDALL SANITARY CUSPIDOR COMPANY, OF ELMIRA, NEW YORK.

CUSPIDOR.

No. 923,661.

Specification of Letters Patent.

Patented June 1, 1909.

Application filed September 21, 1908. Serial No. 454,018.

To all whom it may concern:

Be it known that I, FESTUS W. KENDALL, a citizen of the United States, residing at Elmira Heights, in the county of Chemung and State of New York, have invented certain new and useful Improvements in Cuspidors, of which the following is a specification.

This invention relates to improvements in cuspidors for house, shop and office use; my object being to provide a cuspidor with hinged lids to close the opening into the well of the cuspidor when not in use; and to provide means for readily raising the lids by the foot of the user, and automatically closing them when the mechanism is released.

I attain my object by constructing the cuspidor in the manner illustrated in the accompanying drawings, in which—

Figure 1 represents a perspective view of one form of my cuspidor, with the lids closed; and Fig. 2, a section through one side thereof, showing the mechanism for operating the lids.

Like numerals designate like parts in the several views.

The cuspidor, as here shown, consists of a rectangular well 1, of sheet metal or other suitable material, having a cover-plate 2 riveted to its upper edges, said cover-plate being provided with an opening corresponding to that of the well, and around said opening, on the underside, with depending flanges 6, to which the well is fastened. Above the well opening there are, preferably, two lids 3, 3, provided at opposite sides with depending ears 4, which pass through slots provided therefor in the cover-plate. These ears are hinged to the cover-plate by means of pins 5, which pass through extensions at the ends of the two oppositely disposed flanges 6. The cover-plate rests upon and is fastened to a base 7, shown herein as composed of metal plates fastened together in the form of a frustum of a pyramid; and it will be understood that this base can be made more or less ornamental in form, as desired.

For operating the lids, connecting links 8, of stiff wire, are coupled at one end to projections formed on the ears 4, and at the other end to arms 9, pivoted at 10 to one of the flanges 6. The arms 9 are coupled by links 11 to a slide bar 12, which reciprocates in a grooved plate 13, fastened to the side of

the well. The slide bar is provided with a pin 14, to which is coupled an operating lever 15, which extends in both directions through slots 16, provided therefor in opposite sides of the base. Knobs 17, or other foot holds, are fastened on the projecting ends of the lever, whereby the lever may be pressed downward on one side or the other by the foot of the user. When so pressed upon, one end of the lever will be pushed downward, while the other end will be fulcrumed against the upper end of its slot 16. The downward motion of the lever causes the slide bar 12 to descend, thereby drawing the arms 9 downward, and throwing the lids to open position, as indicated in broken lines in Fig. 2. When the lever is released, the spring 18 fastened between the flange 6 and the slide bar 12 will throw the arms 9 upward again, thereby closing the lids automatically. It will also be obvious that if the lever is pressed upon at both ends simultaneously the lids will be opened in like manner.

While I prefer to provide the cuspidor with two lids opening in opposite directions, because thereby the slide bar will have the pulling force equally distributed on opposite sides of it, I do not confine myself to such construction.

In order to facilitate the cleaning of the cuspidor and render it more sanitary, I preferably provide for the well removable receptacles, such as described in my Letters Patent No. 857,470, dated June 18, 1907.

The cuspidors, as so constructed, may be made in various forms and of different materials, according to requirements, and may be varied in other respects without departing from the spirit of my invention.

What I claim and desire to secure by Letters Patent is—

1. In a cuspidor, the combination, with the well, of a hinged lid therefor, a slide-bar mounted in a guideway at one side of the well, an arm pivoted above the slide-bar, a link coupling the two together, a second link coupling the arm to a projection from the lid beyond the hinge, and an operating lever coupled to the slide-bar.

2. In a cuspidor, the combination with a well contained within a supporting base, of a hinged lid for the well, a vertically reciprocating slide-bar mounted in a guideway at one side of the well within the base,

an arm pivoted above the slide-bar, a link coupling the two together, a second link coupling the arm to a projection from the lid beyond the hinge, and an operating
5 lever coupled to the slide-bar and projecting through slots in opposite sides of the base, the upper ends of said slot serving as fulcrums for the lever.

3. In a cuspidor, the combination, with a
10 well contained within a supporting base, of a hinged lid for the well, a lever at one side of the well passing through and projecting from guide slots formed in opposite

sides of the base, the upper ends of said slots serving as fulcrums for the lever, and 15 mechanism contained between the side walls of the well and the base operable by said lever, when pressed down upon either end, to raise the lid.

In testimony whereof I have affixed my 20 signature, in presence of two witnesses.

FESTUS W. KENDALL.

Witnesses:

M. E. VERBECK,
A. S. DIVEN.