

F. E. TEVES.

COVER.

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964,334.

Patented July 12, 1910.

Fig. 1,

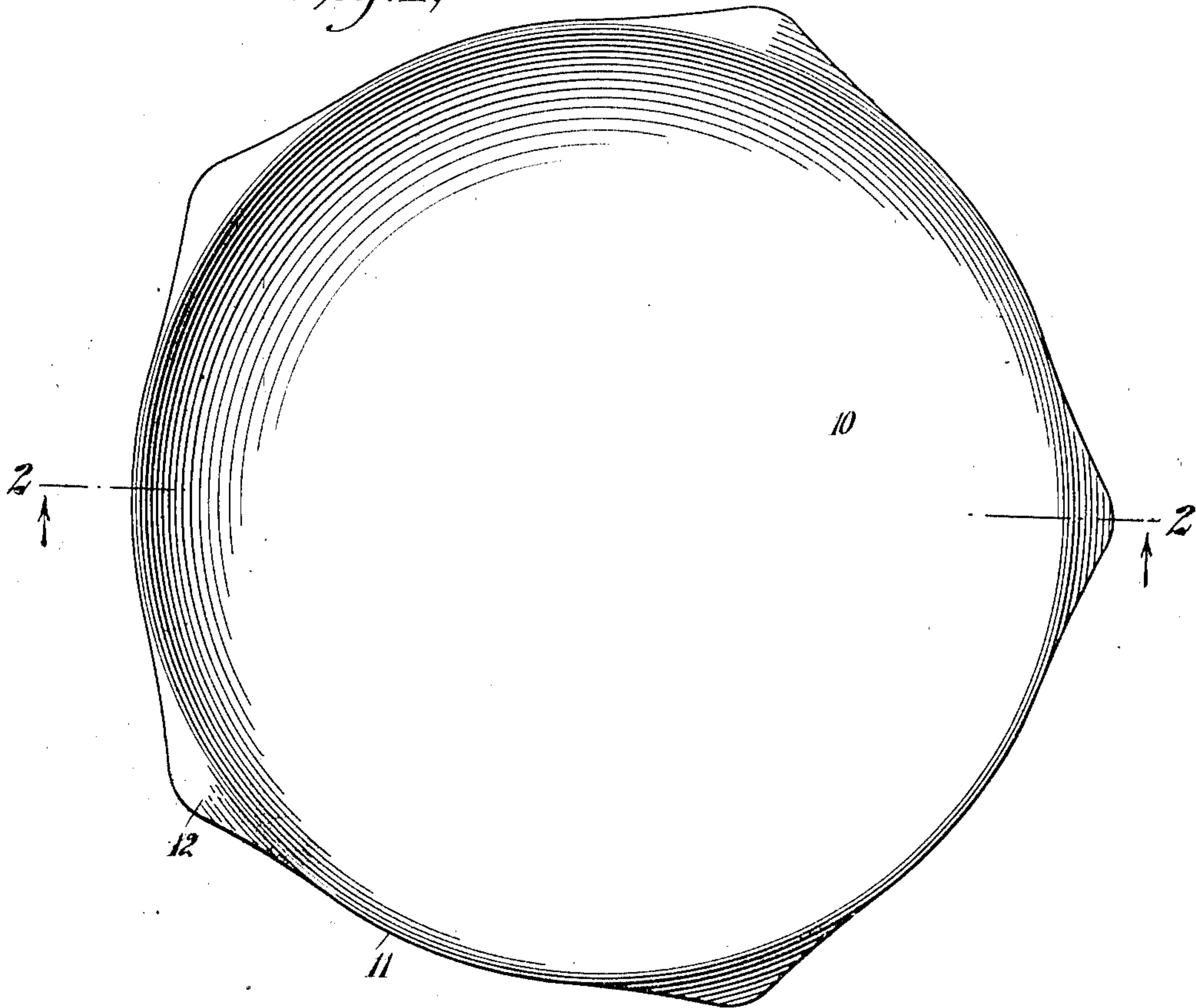


Fig. 2,

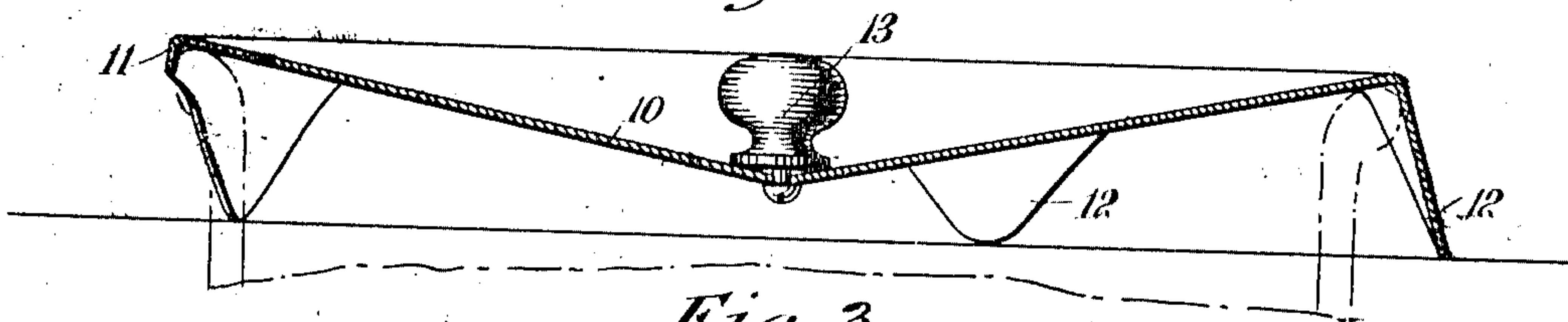
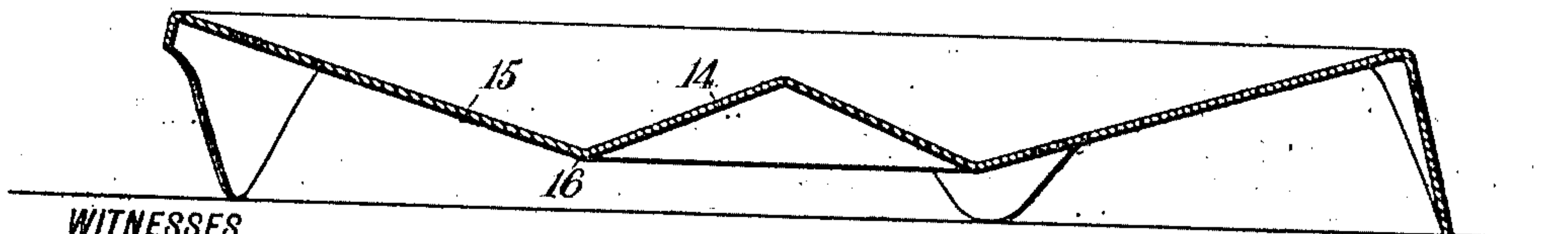


Fig. 3.



WITNESSES

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COVER.

964,334.

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To all whom it may concern:

Be it known that I, FREDERICK E. TEVES, a citizen of the United States, and a resident of Glen Cove, in the county of Nassau and State of New York, have invented a new and Improved Cover, of which the following is a full, clear, and exact description.

This invention relates to certain improvements in detachable covers for receptacles, chambers or containers, and the object of the invention is to so construct the cover that all moisture condensing upon the inner surface will return to the container, and the taking off or the putting on of the cover will not produce any appreciable sound.

The under surface of the cover may be ventilated and permitted to dry when the cover is removed from the receptacle, and any moisture condensing on the inner side of the cover will not come in contact with the upper edge of the receptacle.

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

Figure 1 is a top plan view of a cover constructed in accordance with my invention; Fig. 2 is a vertical section through the cover and a portion of the upper edge of a receptacle; and Fig. 3 is a similar section showing a modified construction.

My improved cover is formed with an inverted conical body or top portion 10, coming to a point at the center of the cover, so that all moisture condensing upon the under surface will immediately drain toward the center and drip back into the receptacle.

The cover is stamped from sheet material, the nature of the material being dependent upon the particular character of the receptacle to which the cover is to be applied.

If the cover is to be used for a cooking or culinary vessel, said cover would preferably be formed from sheet metal, but if the cover is to be used for a storage receptacle or for a toilet chamber, it would preferably be formed of non-metallic, water-proof material. It may be formed of any suitable composition so treated as to give it a smooth water-proof surface, which may be readily cleaned and which will not absorb moisture.

The entire body portion of the cover is conical or inclined, so that there is no portion which is substantially horizontal. Thus, moisture condensing on any portion

of the inner surface will run down the inclined surface to the lowest point and from there drip back into the receptacle.

The cover is provided with an annular flange 11 around its outer side, which diverges or spreads outwardly at its lower edge. This flange is subdivided into a plurality of separate legs or branches 12, and these legs are of such length that when the cover rests upon a flat surface, the legs will support the center of the cover out of engagement with the surface. Thus, if the cover be removed from the vessel while the under side of the cover is moist with water of condensation, this moist portion will be supported upon the surface and out of contact therewith. At the same time, air may freely circulate through the open spaces between the legs and into direct contact with the moist under surface of the cover, so that the latter will rapidly dry if left off of the receptacle. The cover, if desired, may be provided with a knob or handle 13, by means of which the cover may be lifted. This knob is preferably located at the center of the cover and at the apex of the conical portion, so that it does not extend above the plane of the margin of said conical portion.

Although the cover is adaptable for general use, yet it possesses special advantages when used as the cover for a toilet chamber. As the portion of the cover which contacts with the open top of the chamber is inclined, it will not contact with the top of the wall of the chamber but will contact with the inner surface, so that no moisture of condensation can reach the top of the walls of the chamber. The cover being made of a composition which is neither metallic nor ceramic and which is non-resonant and, slightly flexible, no appreciable sound will be made when the cover is removed or replaced on the chamber.

The cover being water-proof, it may be readily cleaned, and kept sanitary, and the under surface being ventilated when removed from the chamber, the moisture of condensation may evaporate instead of dripping on to the floor.

Instead of making the entire body of the cover of a single conical portion with its apex depending at the center, the body may be formed of two concentric conical portions substantially as illustrated in Fig. 3. In this form, the center portion is reversed to form an upwardly-extending conical portion

14 uniting with the outer or truncated
conical portion 15 along the edge 16. In
this form, moisture of condensation will
drip from this sharp edge rather than from
5 the point, as in the form shown in Figs. 1
and 2.

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

10 1. A cover having the body formed from a
single piece of sheet material and having the
entire body portion in the form of an in-
verted cone, and having an outer depending
annular flange subdivided to form a plu-
15 rality of legs for holding the body of the
cover out of engagement with the support-
ing surface when the cover is removed from
the receptacle.

2. A cover having a body inclined down-

wardly and inwardly from the outer edge 20
thereof, and a marginal flange depending
downwardly and outwardly from the periph-
eral edge of the body, said flange having its
lower edge cut away at a plurality of points,
to leave a plurality of supporting legs to 25
hold the body of the cover out of engage-
ment with the supporting surface when the
cover is removed from the receptacle, said
body flange and legs being formed from
sheet material. 30

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

FREDERICK E. TEVES.

Witnesses:

CLAIR W. FAIRBANK,
JOHN P. DAVIS.