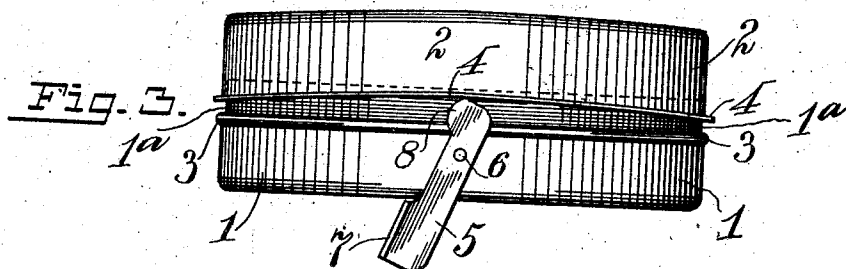
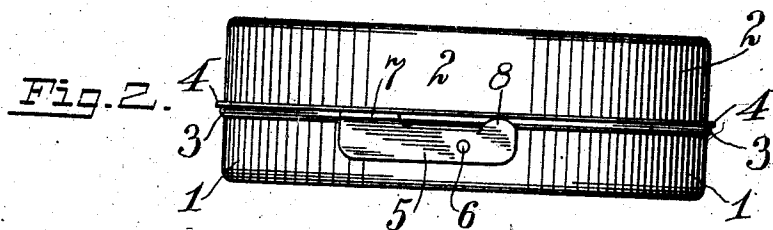
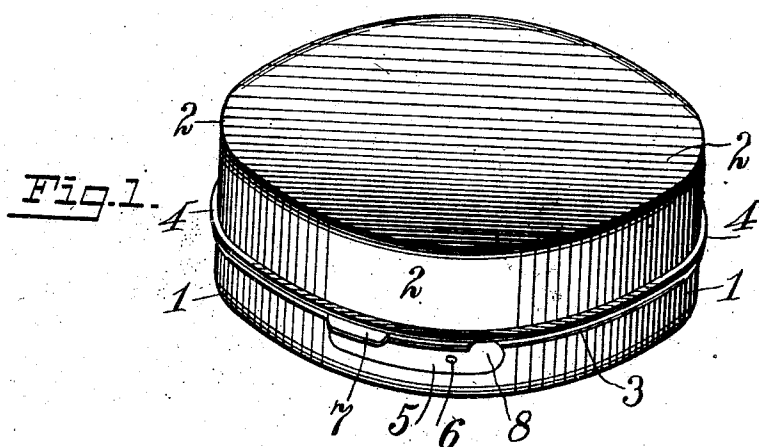


994,996.

J. B. GRIMES.
BOX.
APPLICATION FILED DEC. 14, 1910.

Patented June 13, 1911.



Witnesses
M. S. L. Smith
H. D. Smith

By

Inventor
JAMES B. GRIMES.
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his Attorney

UNITED STATES PATENT OFFICE.

JAMES B. GRIMES, OF DAYTON, OHIO, ASSIGNOR OF ONE-HALF TO NATHAN M. STANLEY, OF DAYTON, OHIO.

BOX.

994,996.

Specification of Letters Patent. Patented June 13, 1911.

Application filed December 14, 1910. Serial No. 597,285.

To all whom it may concern:

Be it known that I, JAMES B. GRIMES, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Boxes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in tin boxes of the type in which the edge of the lid is provided with an annular flange and the outer circumference of the body is provided with an annular bead which lies under the flange of the lid when the latter is closed upon the box. As is well known, the lids of these boxes are made to fit tight, to prevent the evaporation or drying of their contents.

It is the object of my invention to provide a lid raiser which is especially adapted for exerting an upward force upon the flange of the lid to raise it. With this end in view the device is constructed in conformity with this standard type of box, as will hereinafter be more particularly set forth in the description and specifically pointed out in the claim.

A further object of the invention is to provide a lid raiser that may be applied to any of the well known forms of circular metallic boxes without requiring any change or alteration in the construction of the box or its cover.

Referring to the drawings, Figure 1 is a perspective view of the box; Fig. 2 is a side elevation; and Fig. 3 is a side elevation with the cover partially removed.

In the drawings, 1 represents the box provided with a flange 1^a and a bead 3. Adapted to fit over the flange 1^a, and against the bead 3, is a cover or lid 2. The engagement between the cover and flange is hermetic, which prevents deterioration of the contents. The joint thus made being necessarily tight,

the lid is prevented from being easily removed by the fingers alone. To obviate this difficulty the following device is provided.

The lid 2 is provided with an annular and laterally extended flange 4 reaching beyond the bead 3 and fitting snugly against said bead when said lid is down as far as it can go. Adapted to engage the under side of said flange 4 is the nose 8 of a lever 5 which is pivoted to the side of the box, said pivot being nearer the end which engages the flange and below the bead 3. The other end of the lever 5 is turned out to provide a finger piece 7, and the portion of the upper edge of said lever between the nose 8 and the finger piece 7 is cut away to clear the bead 3 when in the normal position shown in Fig. 2. When the finger piece 7 is lowered to the position shown in Fig. 3, the nose 8 is elevated, and engaging the flange 4, thereby elevates one side of the lid and releases it from the flange 1^a, from which position the lid may be easily removed by hand. The position of the pivot 6 is such that a great leverage is secured; a box thus constructed will therefore always protect the contents and allow easy access thereto by the user.

I claim:

The combination with a box having an uninterrupted circumferential bead, and a lid therefor having an uninterrupted circumferential marginal flange extending laterally beyond the bead when the cover is in position on said box, of a lid raiser adapted to exert an upward pressure on the lid and pivoted to the side of the box below said bead, a portion of said lid raiser above its pivot being recessed to clear said bead, the end thereof nearest the pivot being extended to engage the lower side of the lid flange, and the end thereof remote from said pivot being provided with a finger piece, as herein shown and described.

In testimony whereof I affix my signature, in presence of two witnesses.

JAMES B. GRIMES.

Witnesses:

MATTHEW SIEBLER,
HOWARD S. SMITH.