

M. FEDDER.
BOX LID LIFTER.

APPLICATION FILED MAY 11, 1912.

1,038,333.

Patented Sept. 10, 1912.

FIG. 1

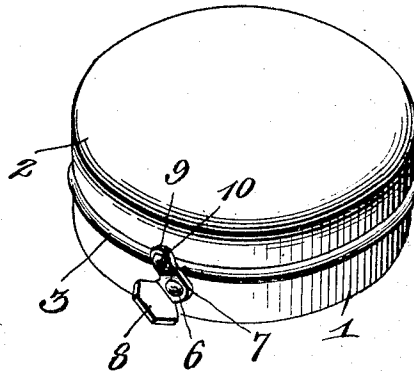


FIG. 2

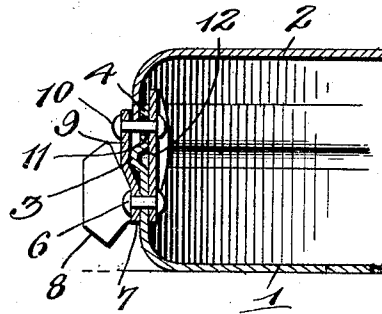


FIG. 3

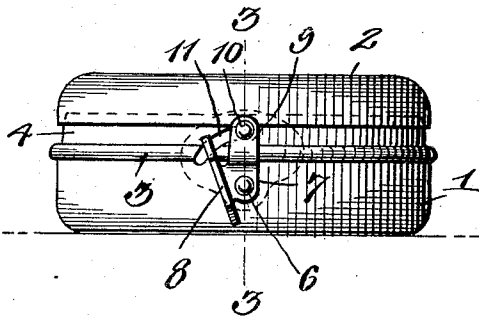
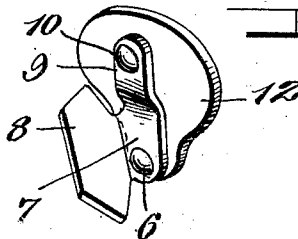


FIG. 4



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BOX-LID LIFTER.

1,038,333.

Specification of Letters Patent.

Patented Sept. 10, 1912.

Application filed May 11, 1912. Serial No. 696,783.

To all whom it may concern:

Be it known that I, MEYER FEDDER, a citizen of the United States, residing at Baltimore, State of Maryland, have invented certain new and useful Improvements in Box-Lid Lifters, of which the following is a specification, reference being had to the accompanying drawings.

It is universally known that considerable difficulty is experienced with the ordinary form of tin or can in starting the lid or top in the operation of removing the same, particularly in the initial opening operation, and with this in view, my invention aims to provide a simple and efficient lid lifting device for receptacles, whereby the operator, by a simple manipulation of a finger piece, may start the lid or top so as to loosen it sufficiently to facilitate the subsequent entire detachment of the lid. And the invention also aims to generally improve devices of this class and to render them more useful and commercially desirable.

With these and other objects in view, as will more fully appear as the description proceeds, the invention consists in certain constructions, arrangements and combinations of the parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawing, in which,

Figure 1 is a perspective view of a can or box equipped with my improved lid lifting device. Fig. 2 is an elevation thereof, showing the lid started by the device. Fig. 3 is an enlarged fragmentary transverse section on the line 3—3, of Fig. 2, and, Fig. 4 is a perspective view of the device detached.

Corresponding and like parts are referred to in the following description and designated in the accompanying drawing by like reference characters.

Referring to the drawing, the numeral 1 designates the body portion of a box or can, 2 the lid thereof and 3 the ordinary peripheral bead which serves as abutment for the edge of the lid 2 and terminates upwardly in the ordinary rim 4. All of these parts may be of any desired construction, type, or design.

In carrying out my invention, the body portion 1 has a pivot stud or rivet 6 secured to its side wall, as best illustrated in Fig.

3, and on this stud, an arm 7 is pivotally mounted on the exterior of the box, said arm being formed with a preferably integral outstanding finger piece 8, by which it may be easily manipulated and being offset at its relatively free end, as at 9, so as to extend over the bead 3. A pin 10 which may be in the form of a rivet, as shown, is secured to the relatively free end of the arm 7, said pin being received in a preferably curved slot 11 which is formed in the rim 4 and which preferably extends across or into the bead 3, as best illustrated in Fig. 2.

Fixedly secured to the pivot stud 6 on the inside of the body portion 1 of the box, is a plate 12 which is movable with the arm 7 and which is of a size to at all times close the slot 11 at the inner side thereof, thereby preventing the contents of the box from leaking out, the plate being connected to the pin 10.

From the foregoing description in connection with the accompanying drawing, the operation of my improved lid lifting device will be apparent.

In the practical use of the device, when the lid 2 is down in fully closed position, the pin 10 will lie in the lower end of the slot 11 where it intersects the bead 3, and just below the lower edge of the lid 2. Whenever it is desired to remove the lid, it is only necessary to manipulate the finger piece 8 so as to swing the arm 7 in an upward direction, whereupon the pin 10 will force the lid 2 upwardly by engagement with the rim edge thereof and the lid will thus be started and moved to a position where it may be easily detached from the body portion 1.

While the accompanying drawing illustrates what I believe to be the preferred embodiment of my invention, it is to be understood that the invention is not limited thereto, but that various changes may be made in the construction, arrangement and proportions of the parts without departing from the scope of the invention, as defined in the appended claims.

What I claim is:—

1. A box embodying a body portion and a lid, the body portion being formed with a slot extending below the lid and above the lower edge of the latter in the closed position of the lid, an arm pivotally connected to the body portion of the box and pro-

- vided with means working in the slot for engagement with the lower edge of the lid, and means movable with said arm for closing the slot on one side of the latter.
- 5 2. A box, embodying a body portion and a lid, the body portion being formed with a slot extending below the lid and above the lower edge of the latter in the closed position of the lid, a pivot stud connected to
10 one side of the box contiguous to said slot, an arm mounted on said stud, a pin secured to said arm and movable in said slot, and a plate disposed on the inside of the box and mounted on said pivot stud and movable
15 with said arm, for the purpose specified.
3. A box, embodying a body portion and a lid, the body portion being formed with a slot, a pivot stud mounted in one side wall of the body portion contiguous to said slot, an arm mounted on said stud and provided with an outwardly projecting finger piece, a pin secured to said arm and movable in said slot, the arm being mounted on the outer side of the box, and a plate mounted on the inside of the box and secured to said stud, said plate being connected to said pin.
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- In testimony whereof I hereunto affix my signature in the presence of two witnesses.
- MEYER FEDDER.
- Witnesses:
SAMUEL HECHT,
JOHN B. MCGRAW.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."