

D. R. LEVIN.
 MEANS FOR REMOVING COVERS.
 APPLICATION FILED FEB. 7, 1910.

975,698.

Patented Nov. 15, 1910.

Fig. 1.

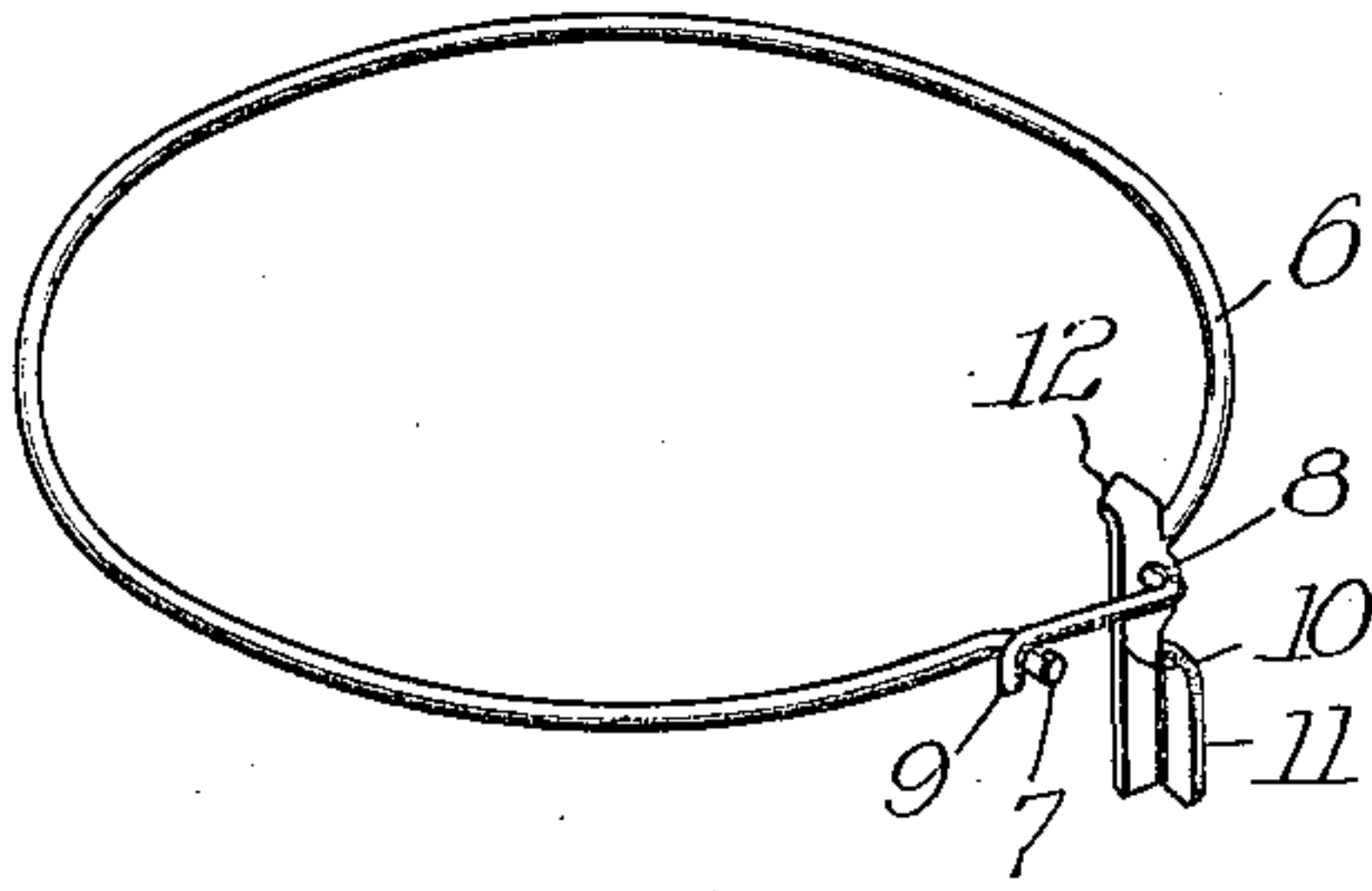


Fig. 2.

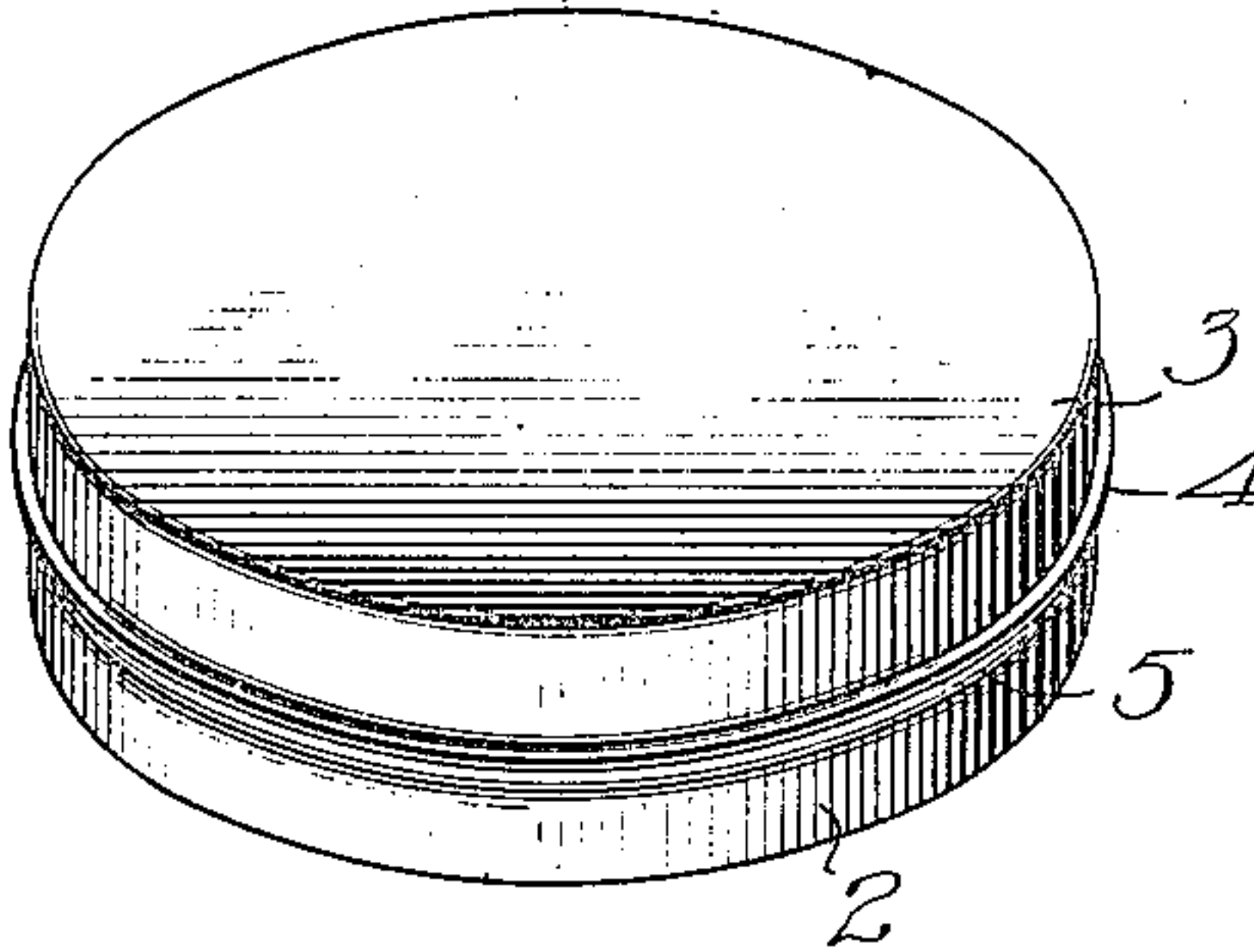


Fig. 3.

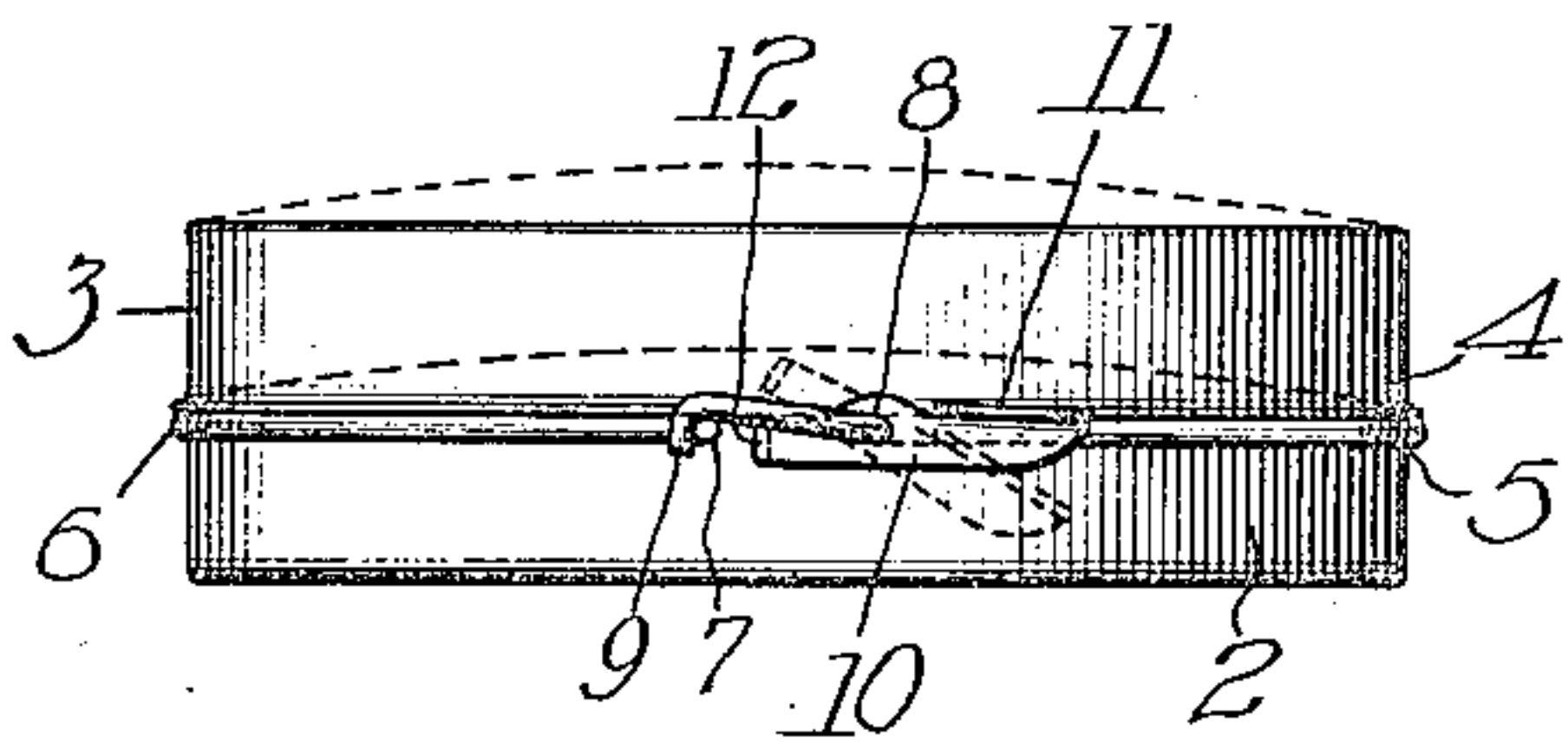


Fig. 4.

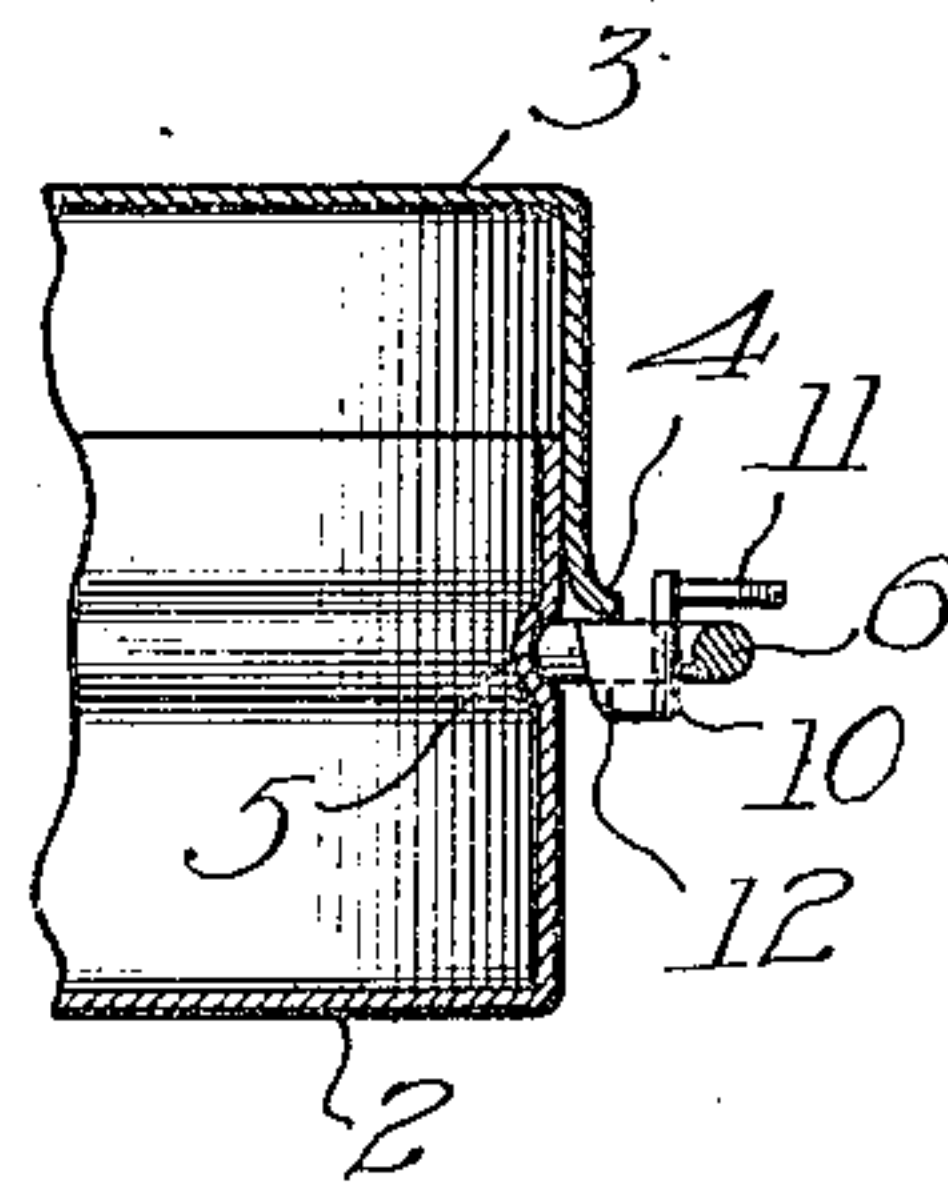


Fig. 5.

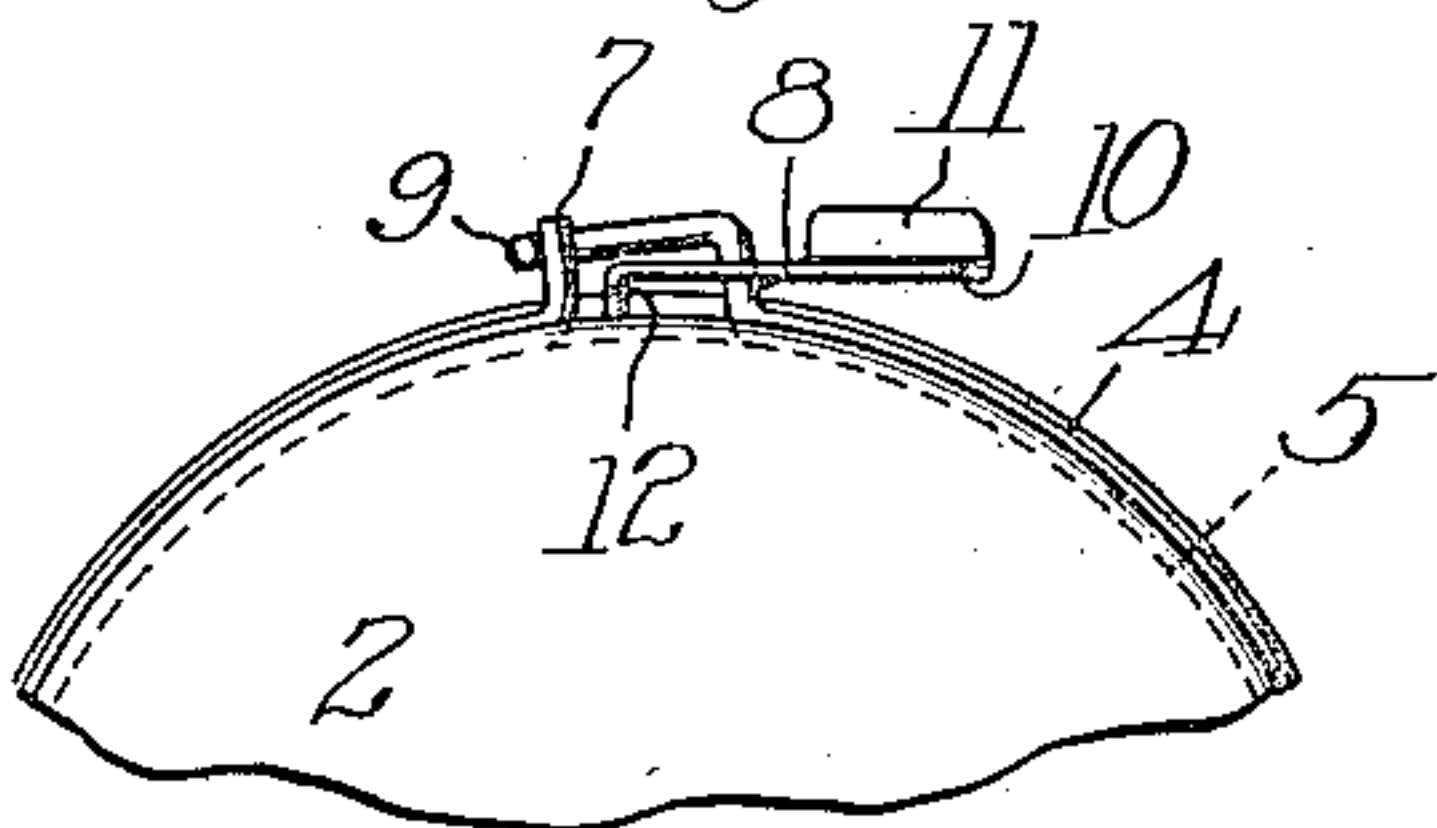
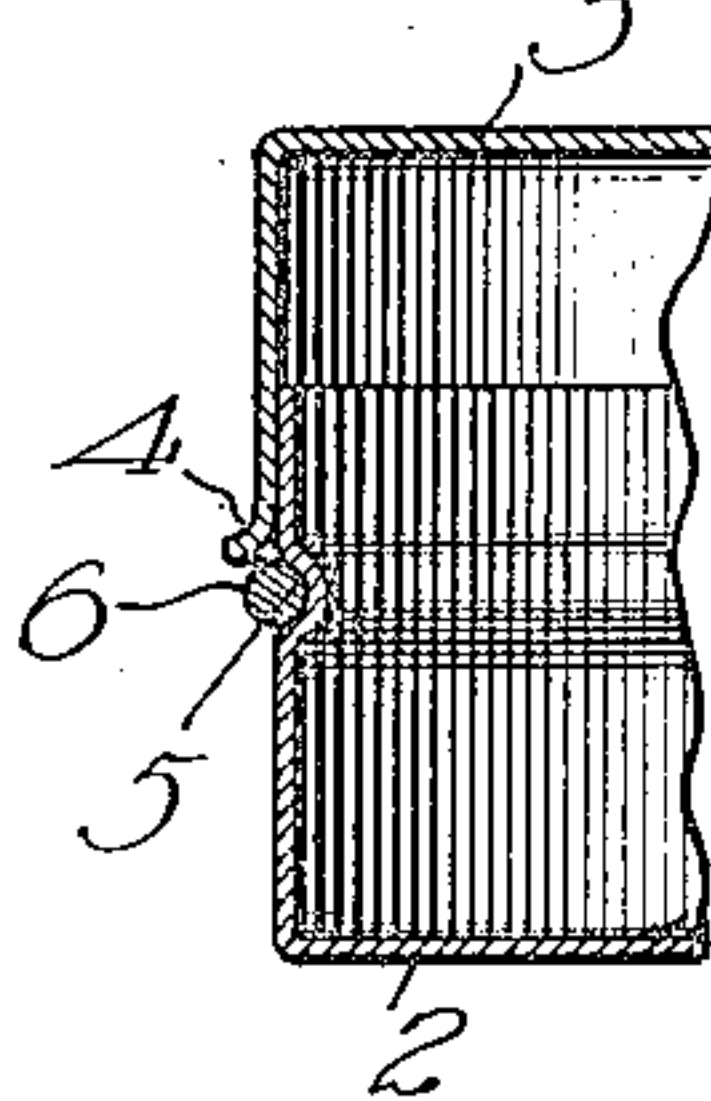


Fig. 6.



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UNITED STATES PATENT OFFICE.

DAVID R. LEVIN, OF CHICAGO, ILLINOIS.

MEANS FOR REMOVING COVERS.

975,698.

Specification of Letters Patent.

Patented Nov. 15, 1910.

Application filed February 7, 1910. Serial No. 542,609.

To all whom it may concern:

Be it known that I, DAVID R. LEVIN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Means for Removing Covers, of which the following is a specification.

My invention relates to means for opening or prying loose covers, particularly covers on blacking boxes and similar vessels, where it is necessary to keep the cover on tight, either for the purpose of preventing the drying-out of the contents or the accidental loosening of the cover and spilling of the contents of the covered container.

The object of my invention is to provide a cover-loosening device which may be applied to any can or tin box; which does not require riveting or pivoting in the box itself, which tends to interfere with the airtight juncture of cover and vessel, and to make provision for certainty of operation.

I am aware that there are devices for this purpose, particularly a cam arrangement riveted or pivoted to the box, and my invention is designed to overcome the deficiencies experienced in the prior constructions.

With the above-named general objects in view my invention consists in the novel construction, combination and arrangement of parts, hereinafter described in detail, illustrated in the accompanying drawing, and incorporated in the appended claims.

Figure 1 is a perspective view of the opening device removed from the can or blacking box. Fig. 2 is a perspective view of a conventional blacking box made of tin. Fig. 3 is an edge view of the box with my invention applied thereto. Fig. 4 is an enlarged fragment of the box and opening device shown in section. Fig. 5 is a plan view of a fragment of the box and opening device. Fig. 6 is a view similar to Fig. 4, but showing another section of the box.

In the several views 2 represents the can or blacking box provided with a cover 3 having an outturned flange 4. This cover is made to fit tightly upon the can so as to prevent drying out of the contents. The box 2 is provided near its upper rim with a circumferential groove, bead or depression 5 designed to receive a band 6 made of wire or other suitable material. One end of this

band or wire is bent at right angles outwardly to provide a radially projecting lug 7. The opposite end of the band or wire 6 is bent thrice at right angles to provide a pivot portion or bearing 8 which projects from the body of the can and ring 6 parallel to the lug 7, and a hook 9 to engage the lug 7 as shown in Fig. 1, the hook being bent downwardly at right angles to the lug 7. On the pivot portion 8 is mounted a lever 10 which is stamped, preferably out of a flat piece of metal to provide a finger piece or hold 11 projecting at right angles to the vertical side of the box when the device is mounted thereon, and an inwardly projecting spur 12. This spur normally lies in the groove 5 underneath the outturned rim 4.

For the sake of greater clearness of description or illustration the finger piece 11 and lever 10 are shown arranged tangentially to the circumference of the box, but these parts may also be curved so as to lie close to the box. The swing of the lever and its spur 12 being parallel to the vertical side of the box, the spur will during its movement always be in close contact with said box and in engagement with the rim 4. Hence, if desired, the rim need not be outturned but flat against the box as usual. This form of construction permits the adjustment of the ring 6 of a given size to a box of smaller size by making the bend forming the hook 7 at the desired point on the ring or wire 6. The dotted lines in Fig. 3 indicate the manner in which the cover is pried off.

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

1. The combination with a box provided with an annular recess in its outer circumference, of a wire bent into hook and pivot portions, said wire being located in said recess a finger-piece in the form of a lever pivoted on said pivot portion to swing parallel to the vertical side of the box, said lever having a spur to engage the rim of the box cover as set forth.

2. The combination with a box or can having an annular channel 5, of a band normally seated in said channel and having hooks at its ends adapted to removably engage each other to fasten the band in said channel, an outturned pivot portion 8 on

said band, the lever 10, provided with a finger-piece 11 mounted to swing against the sides of the box on said portion 8, and an inwardly projecting spur on said lever
5 adapted to engage the edge of the cover for the can or box, substantially as described.

In testimony whereof I have hereunto set

my hand in the presence of two subscribing witnesses.

DAVID R. LEVIN.

Witnesses:

O. M. STONE, Jr.,

J. W. BECKSTROM.