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EXAMINER

No. 847,374.

PATENTED MAR. 19, 1907.

E. S. SAVAGE.
DEVICE FOR DETACHING BOX COVERS.
APPLICATION FILED JULY 12, 1905.

MODEL.

FIG. 1.

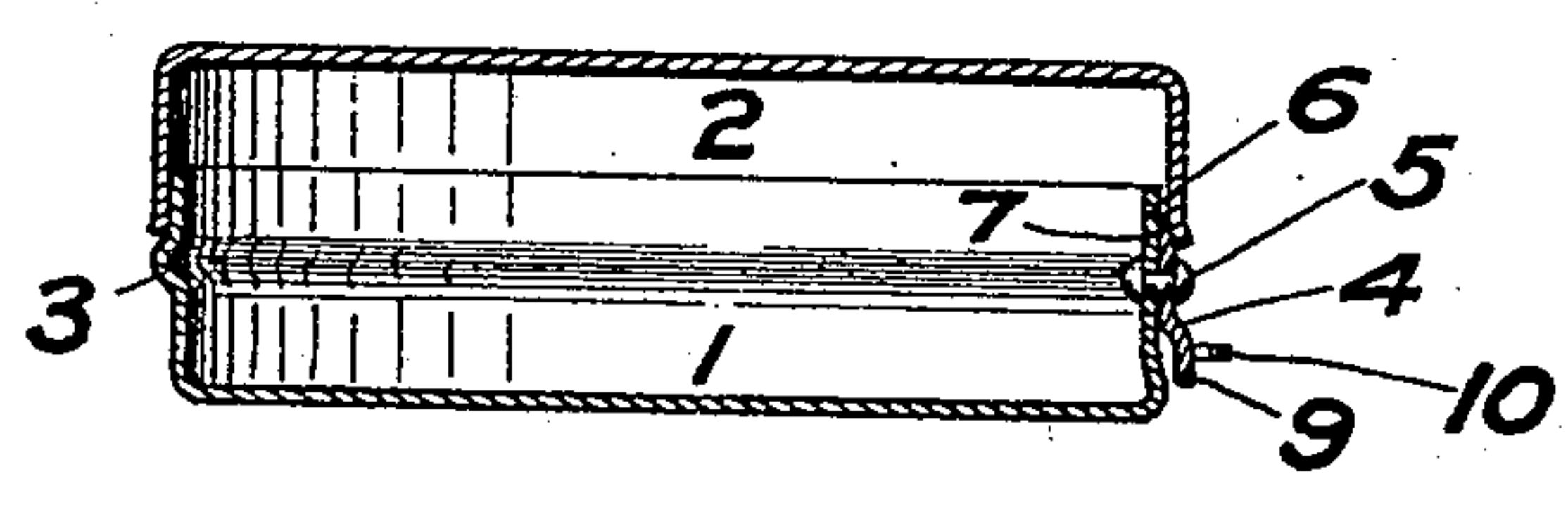


FIG. 2.

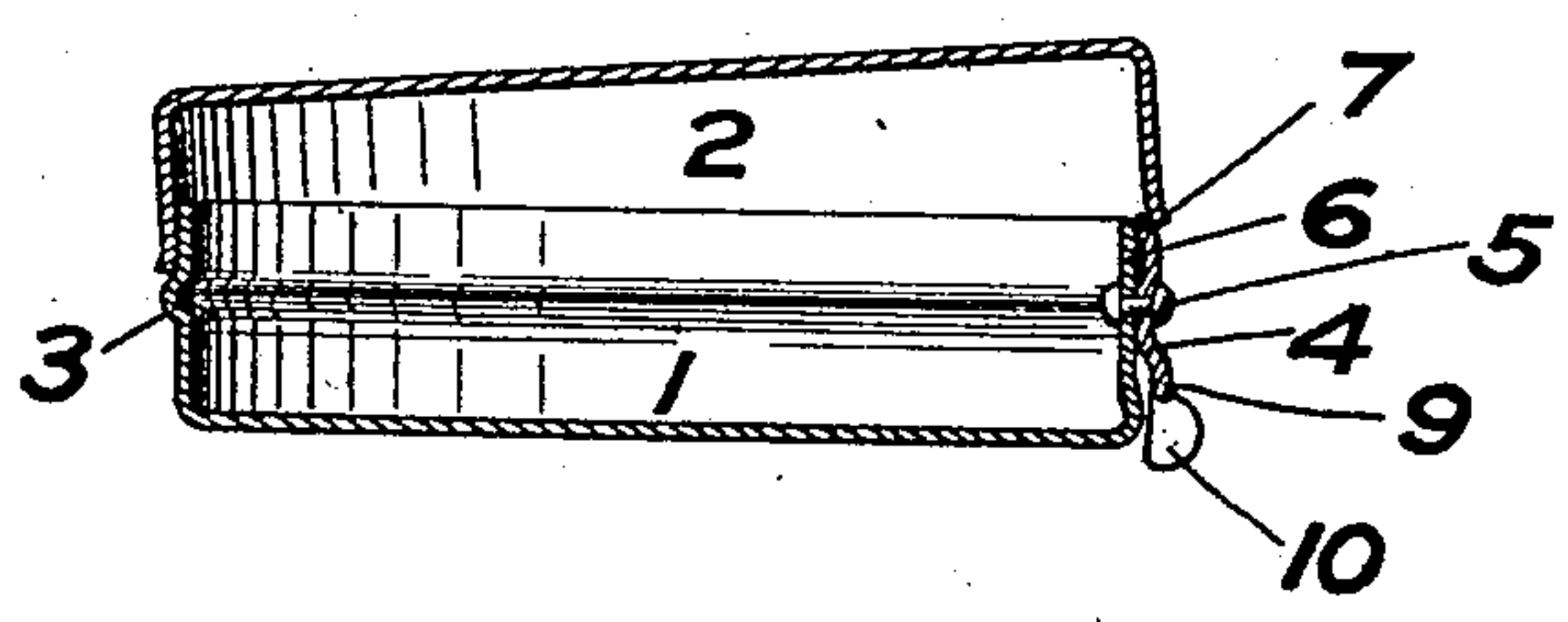
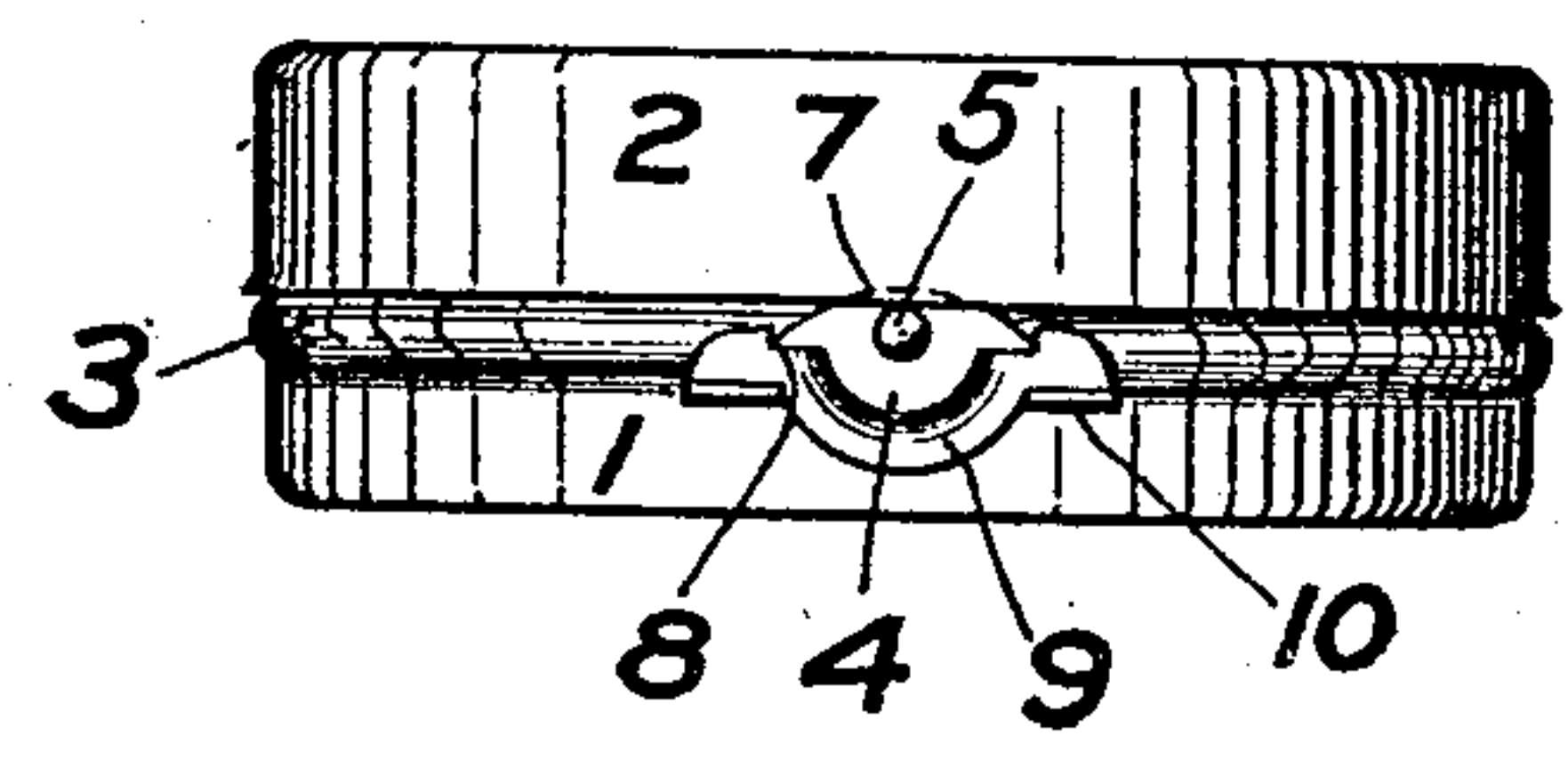


FIG. 3.



WITNESSES:
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UNITED STATES PATENT OFFICE.

EDWARD S. SAVAGE, OF BROOKLYN, NEW YORK, ASSIGNOR TO AMERICAN
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DEVICE FOR DETACHING BOX-COVERS.

No. 847,374.

Specification of Letters Patent.

Patented March 19, 1907.

Application filed July 12, 1905. Serial No. 269,300. (Model.)

To all whom it may concern:

Be it known that I, EDWARD S. SAVAGE, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Devices for Detaching Box-Covers, of which the following is a specification.

This invention relates to devices for detaching box-covers, and has particularly for its object to provide means whereby the tightly-fitting covers of tin boxes are easily removed.

In the drawings, Figure 1 is a vertical section through the center of a round flat blacking-box of the style in which shoe blacking or polish is usually sold and also through the center of the detaching device. In this figure the box is shown closed. Fig. 2 is the same section, but shows the cover raised by the detaching device; and Fig. 3 is a side view of the box and detaching device.

1 represents a blacking-box of ordinary construction, 2 its cover, and 3 a bead upon the box to engage and stop the cover.

4 is the detaching device, which is a lever that is pivoted on the box by the bolt 5 below that part of the box that is engaged by the cover when the latter is in position on the box. The head 3 is not formed upon the box at the place 6 (see Fig. 2) where the detaching device is pivoted to the box, and so the detaching device lies flat against the box. Moreover, the side of the box is bent slightly inwardly at this point, as shown in Figs. 2 and 3, so that the cover will fit down over the upper portion 7 of the detaching device.

A shoulder 8 is formed upon the detaching device 4 at one side of the pivot 5, that lies beneath the cover when the latter is in place upon the box and is adapted to detach and raise it from the box. In the drawings such

a shoulder is shown on each side of the pivot 5, so that the cover is detached whichever way the detaching device is turned, and the shoulder is represented as formed by a ledge 9, that is stamped upon the lower edge of the detaching device. Finger-pieces 10 10 on the detaching device are provided, so that it can be readily operated. In the construction shown in the drawings these finger-pieces 10 10 are also stamped up, so that the detaching device is formed complete from a single piece of metal.

To open the box, the detaching device is turned in either direction. The lid is engaged in the crotch between the shoulder 8 and that part 7 of the device that is between the side of the box and the cover and is raised from the box as shown in Fig. 2.

What I claim is—

1. A device adapted to detach the cover from a box, consisting of a lever pivoted to the side of the box, beneath the cover, having a part that is adapted to enter between the box and its cover, and an offset forming a shoulder at one side of its pivot and adjacent to said part that enters between the box and cover, that is adapted to engage the lower edge of the cover, and thereby raise it.

2. A device adapted to detach the cover from a box, consisting of a lever pivoted to the side of the box, beneath the cover, having a portion that is adapted to enter between the box and its cover, and offsets forming shoulders on each side of its pivot and adjacent to the part that enters between the box and cover, both shoulders being adapted to engage the lower edge of the cover, and thereby raise it.

EDWARD S. SAVAGE.

Witnesses:

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