E. DOBNEY.

BOX.

APPLICATION FILED DEC. 8, 1920.

1,424,159.

Patented Aug. 1, 1922.

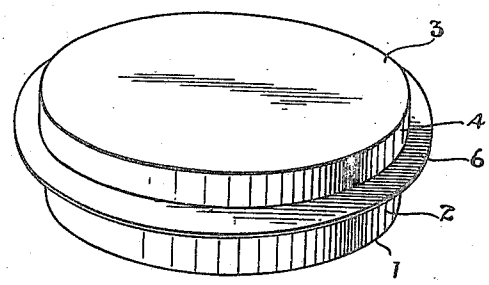


Fig. 1.

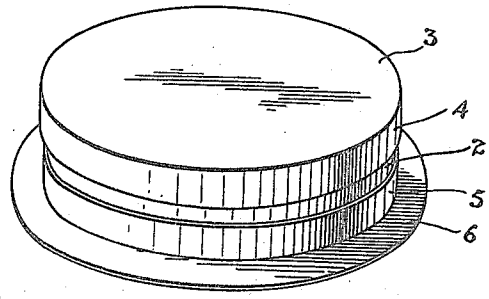


Fig. 2.

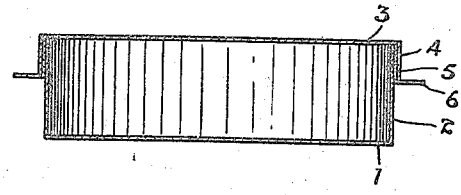


Fig. 3.

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UNITED STATES PATENT OFFICE.

ERNEST DOBNEY, OF TORONTO, ONTARIO, CANADA, ASSIGNOR OF ONE-THIRD TO FRANCIS E. DENNIS AND ONE-THIRD TO CYRIL DENNIS, BOTH OF TORONTO, ONTARIO, CANADA.

BOX.

1,424,159. Specification of Letters Patent. Patented Aug. 1, 1922.

Application filed December 8, 1920. Serial No. 429,080.

To all whom it may concern:

Be it known that I, ERNEST DOBNEY, a subject of the King of Great Britain, and resident of the city of Toronto, county of York, Province of Ontario, in the Dominion of Canada, have invented certain new and useful Improvements in Boxes, described in the following specification and illustrated in the accompanying drawings, that form part of the same.

The principal objects of the invention are to overcome the difficulties met with in the removal of covers from the small type of tin boxes used for polishes, salves, pills, etc., and to devise a form of box which may be sealed perfectly tight but from which the cover may be released without difficulty and without marring or distorting the box.

The principal feature of the invention consists in placing a removable ring between the cover and the box so that when the ring is removed the cover will be loose.

In the accompanying drawings, Figure 1 is a perspective view of a box constructed according to this invention, showing the cover sealing ring in the sealed position.

Figure 2 is a perspective view of the box showing the sealing ring withdrawn from the cover.

Figure 3 is a cross sectional view of the box showing the ring in the sealing position.

The box 1 is of a simple cylindrical type having the straight side walls 2. The cover 3 is formed with the edge flange 4 having a larger internal diameter than the external diameter of the box. The space between the cover and box is closed by means of a sealing ring 5 which fits tightly therebetween making an air tight joint if desired and this ring is formed with a lateral flange 6 which extends outwardly below the bottom edge of the cover.

When it is desired to remove the cover from the box it is merely necessary to press downwardly upon the flange of the ring 5 and withdraw the ring from between the cover and the box, which thus leaves the cover quite free so that it may be lifted off allowing free access to the contents.

When it is desired to replace the cover it is simply laid on top and the flange ring is drawn upwardly between the cover and the body of the box or it may be found easier to move the ring up to the top of the box and fit the cap thereover.

The provision of this sealing ring renders the removal of the cover an extremely simple matter. It is cheap to construct, easily assembled and easily operated. Further, such a device will not be susceptible to damage through careless handling but will retain its working qualities as long as the box.

The box herein shown is of a very simple character, having straight sides, but the design of the box may of course be varied and if strengthening beads are required they may be placed on the inside instead of on the outside as is the practice in the present forms of boxes.

What I claim as my invention is:—

1. In a box, the combination with the body and cover having its flange loosely surrounding the body, of a removable ring arranged between the cover flange and the side wall of the body.

2. A box having a cylindrical side wall, a cover having a flange fitting loosely around said side wall, and a sealing ring of thin metal adapted to fit between the side wall of the box and the loose flange of the cover and to form a sealed joint, said ring having a bottom edge flange projecting beyond the edge of the cover flange.

ERNEST DOBNEY.