B. M. EATON.

RECEPTACLE AND CLOSURE THEREFOR.

APPLICATION FILED OCT. 29, 1908.

919,838.

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Fig. 3.

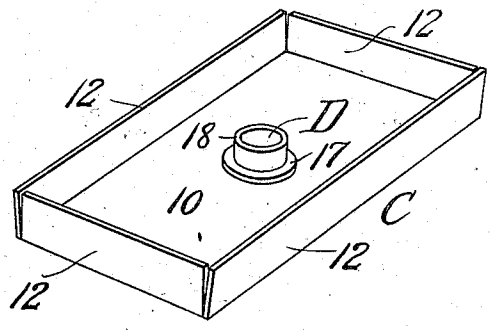


Fig. 1.

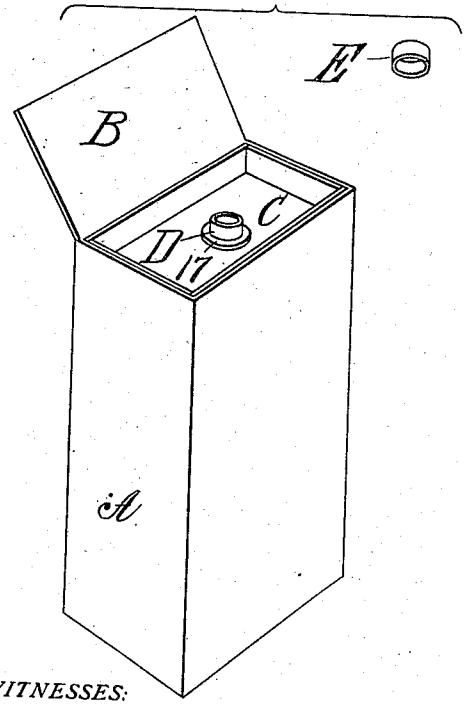


Fig. 4.

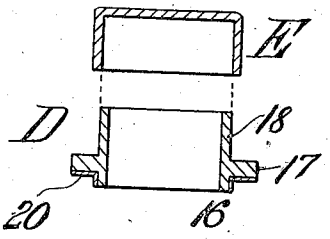
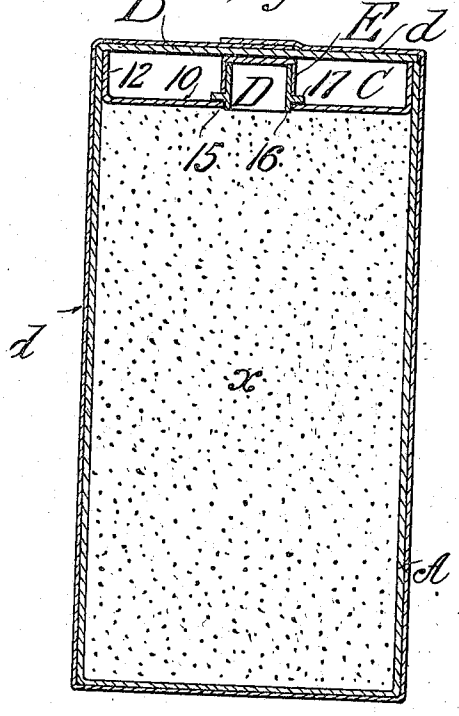


Fig. 2.



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RECEPTACLE AND CLOSURE THEREFOR.

No. 919,838. Specification of Letters Patent. Patented April 27, 1909.

Application filed October 29, 1908. Serial No. 460,038.

To all whom it may concern:

Be it known that I, BENJAMIN M. EATON, a citizen of the United States of America, and resident of Springfield, in the county of Hampden and State of Massachusetts, have invented certain new and useful Improvements in Receptacles and Closures Therefor, of which the following is a full, clear, and exact description.

This invention relates to an improved receptacle for containing, usually as an original package, powdered granular or comminuted material such as salt, spices, baking powder, chemicals, etc., and the object is to provide means whereby when the package is opened none of the contents thereof will be spilled or scattered therefrom, and yet whereby the contents may purposely be most quickly and conveniently removed.

The invention consists, in substance, of a paper box or carton or like receptacle having near, but somewhat below, its top, a horizontal closing wall made with an aperture therethrough and having an upstanding annular flange or sleeve-like part margining said aperture, a closure engaging said sleeve-like member and for closing the aperture therewithin and a part, such, for instance, as a closing flap or cover of the box proper which extends across and engages the said closure and prevents the same from displacement.

The invention, furthermore, consists in certain minor formations or constructions of parts and the combination or arrangement of the patrs all substantially as hereinafter described in conjunction with the accompanying drawings, and set forth in the claims.

In the drawings:—Figure 1 is a perspective view showing the box with its cover swung open and the cap or closure for the flange margined aperture at the top of the package removed from its closing position. Fig. 2 is a vertical sectional view through the package represented as in its closed and wrapped condition; Fig. 3 is a perspective view of the shallow tray and its equipments which are comprised in the improved receptacle; Fig. 4 is a vertical sectional view of the aperture margining sleeve-like part and of the cup-shaped cap which is adapted for a closing engagement therewith.

A box or carton A of rectangular or any other suitable shape is provided originally made with an open top and B represents a closing cover or flap for the box which cover is hingedly connected at the upper edge of one side wall thereof. The box is filled with its powder like contents not quite up to the top as shown in Fig. 2. Then a shallow tray C, which may be made of paper or cardboard is set within the mouth of the box proper,—this tray comprising a bottom 10 and sides 12, the sides being permanently stuck by paste or glue to the walls of the box. The tray has a central aperture 15 down through which sits the neck or lower end portion 16 of a sleeve-like part D and which constitutes an annular flange margining for the aperture. This sleeve-like part has at a short distance above its lower end an outwardly extending flange 17 which rests on the top of the tray base while its upstanding portion 18 receives, with an inclosing engagement thereabout, the cup-shaped cap or cover E. The part D is secured in its relation to the base of the tray, as a bushing therefor, and to constitute relatively thereto an upstanding annular flange; and it is provided with a transversely extending encircling flange 17 above its bottom which, by a layer of glue, as indicated at 20, Fig. 4, applied on the underside surface of the flange and exteriorly of the portion 16 of the part D below the flange, is stuck to the circular edge of the aperture and marginally outside thereof. The height of the part D with the cup thereon is about such that it will be at a plane coincident with the upper edges of the box proper, and so that when the cover of the box is brought to its horizontal closing position it will extend across and engage the cap and prevent it from displacement from its closing engagement about the annular part D. The part D and its cup shaped cap E may advantageously and cheaply be made of wood.

In Fig. 2, *d* represents a wrapping sheet which entirely incloses the package and constitutes, in this instance, a means for keeping the cover of the box in its closed position which cover in turn keeps the cap E in its position relatively to the part D for closing the outlet aperture; but, of course, so soon as the wrapping is removed and the cover opened, the cap E may be removed and more or less of the contents of the box poured therefrom.

I claim:—

1. A paper box, or like receptacle, having near but below its top a horizontal closing wall made with an aperture, therethrough, and having an upstanding annular flange

margining said aperture, a closure engaging said flange and for closing the aperture therewithin, and a member having a connection with the box to one side of the said flange-surrounded aperture and extending across, engaging, and preventing from displacement, the said closure.

2. The combination with a paper box, proper, of a shallow tray, set within and having its base below the upper portion of the box and having its sides secured internally to the box walls, said tray being provided with an aperture therethrough, and having an upstanding annular flange margining said aperture, a cup-shaped cap fitting over said flange and a flap constituting a cover for the box, secured to the edge of one of the box side walls, and adapted when swung to its horizontal position to overlie and hold the said cap in place.

3. The combination with a paper box, proper, of a shallow tray, set within and having its base below the upper portion of the box and having its sides secured internally to the box walls, said tray being provided with an aperture therethrough, having an upstanding annular flange margining said aperture, a closure engaging said flange and for closing the aperture therein, and a member having a connection with and at one side of the box and extending across and engaging the said closure.

4. A paper box, or like receptacle, having near but below its top a horizontal closing wall made with an aperture, therethrough, a sleeve-like member having an external surrounding flange above its lower end, its lower end portion being fitted through said aperture, while said flange rests on and is stuck to the portion of said horizontal wall marginally of the aperture, a cup shaped cap fitting about the upper portion of said sleeve-like member, and a box cover flap adapted when in its horizontal position to overlie and hold the said cap in place.

Signed by me at Springfield, Mass., in presence of two subscribing witnesses.

BENJAMIN M. EATON.

Witnesses:
WM. S. BELLOWS,
G. R. DRISCOLL.