

C. R. HOPE.
TOBACCO BOX.
APPLICATION FILED DEC. 18, 1908.

926,944.

Patented July 6, 1909.

Fig. 1

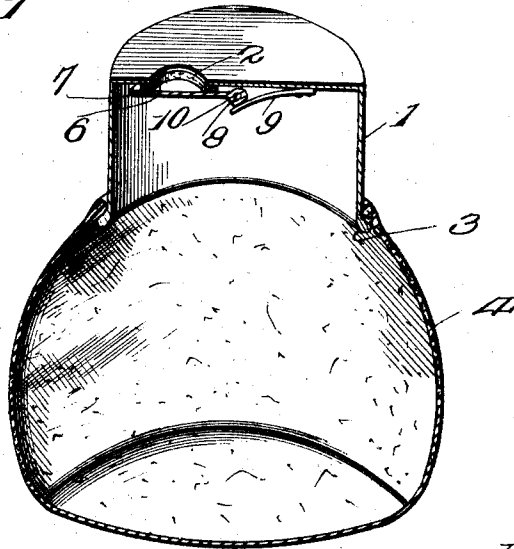


Fig. 2.

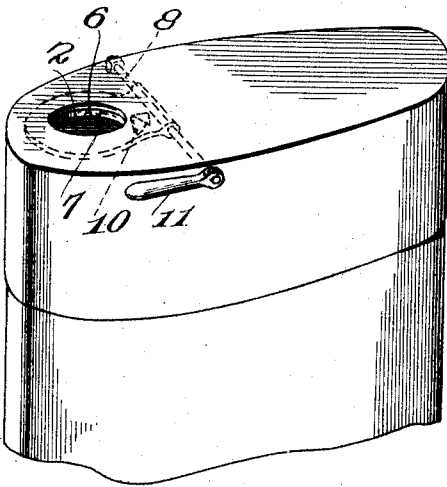


Fig. 3.

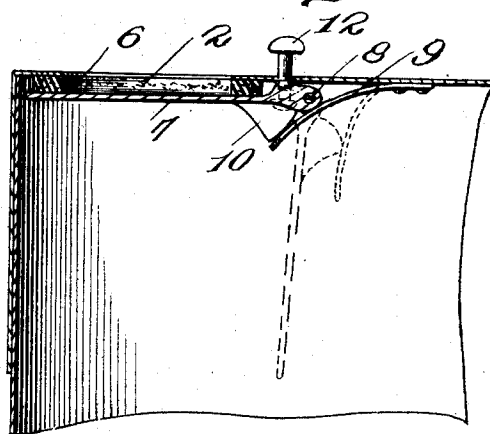
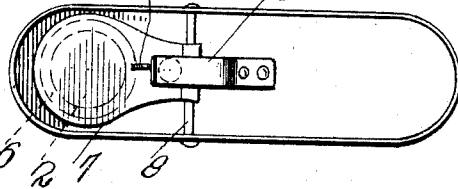


Fig. 4.



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Witnesses

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TOBACCO-BOX.

No. 926,944.

Specification of Letters Patent.

Patented July 6, 1909.

Application filed December 18, 1908. Serial No. 468,174.

To all whom it may concern:

Be it known that I, CLARENCE R. HOPE, subject of the King of Great Britain, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Tobacco-Boxes, of which the following is a specification.

The present invention is designed to provide a novel closure intended more particularly for containers for receiving tobacco, so as to prevent waste of the material and to retain moisture, which is essential to the full enjoyment of the article.

The closure may consist of an attachment or may form part of the container, as will appear more fully hereinafter.

For a full understanding of the invention and the merits thereof and also to acquire a knowledge of the details of construction and the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of the invention applied to a pouch; Fig. 2 is a perspective view of the invention applied to a receptacle of rigid material, such as sheet metal and showing a modified form of actuating means for the closure; Fig. 3 is a sectional view showing the parts on a larger scale, the full lines illustrating the closure when covering the opening and the dotted lines illustrating the position of the closure when the same is open; and, Fig. 4 is a view of the closure as seen from the inner side.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The closure consists of a cap 1 having an opening 2 in its upper end, said opening being preferably arranged near the rim of the cap. The lower edge of the rim is formed with a bead or shoulder 3 which forms a stop to receive the mouth portion of the pouch 4, so as to prevent the latter from slipping from the cap when fitted thereto. The pouch 4 may be of textile or rubber, so as to collapse and fold into compact space. In the event of the container being of rigid material, as indicated at 5, the cap may be fitted thereto by a slip joint and retained in place by friction or in any of the usual ways employed for retaining the cover in place upon a box or other like receptacle.

A washer 6 of rubber or other suitable material is attached to the inner side of the top

of the cap and surrounds the opening 2, its purpose being to provide a tight joint between the closure 7 and the top of the cap. The closure 7 consists of a plate and is pivoted at or near the edge of the cap and opens inward, as indicated by the dotted lines in Fig. 3 and closes by an outward movement. Any means may be employed for pivotally connecting the closure 7 to the cap. As shown a rod 8 is employed, the same being mounted in the rim of the cap or in any convenient way. A spring 9 coöperates with the closure to hold the same shut and is secured at one end to the top of the cap and engages at its free end with a projection 10 pendent from the closure adjacent to the rod 8. The projection 10 may be provided in any manner and consists of a part pressed outward from the plate 7. When the closure 7 is opened the tension of the spring 9 is increased and upon removing the pressure from the closure the latter is forced shut by the action of the spring 9.

For operating the closure 7 any means may be employed. As indicated in Fig. 2 a finger lever 11 is fitted to a projecting end of the rod 8, and as indicated in Fig. 3, a button 12 is slidably mounted in the top of the cap, its inner end being arranged to engage with the closure 7 in advance of its pivot connection 8 with the cap. Pressure exerted upon either of the parts 11 or 12 results in an opening of the closure 7 and upon removing pressure from either of the parts, the spring reacts to move the closure 7, so as to cover the opening 2.

It is to be understood that the invention may be applied to the top or cover of a box or container of any kind and is immaterial whether the cap is provided as a part of the container or is separate from and fitted thereto. The construction admits of the container being operated with one hand and the tobacco or material delivered therefrom without waste, the closure being opened by pressure upon either of the parts 11 or 12 as indicated herein. It is to be understood that in the event of a moistener being applied, the same may be attached to the inner side of the cap in any convenient position.

Having thus described the invention what is claimed as new is:

1. A closure for receptacles comprising a cap having an opening formed in the top thereof, a plate pivotally mounted within the cap beneath the top thereof and forming

a closure for the opening therein, a spring secured to the top of the cap and having its free end bearing against the pivoted end of the plate, and a finger-piece operatively connected to the plate for moving the latter downwardly and inwardly to open position, said plate and spring being entirely housed within the cap.

2. A closure for receptacles comprising a cap having an opening formed in the top thereof, a packing strip surrounding the opening, a plate pivoted near the lower surface of the top of the cap and arranged to bear against the packing strip to form a closure for said opening, a spring secured to the top of the cap and having its free end bearing against the pivoted end of the plate, and a finger-piece operatively connected to the pivoted end of said plate for moving the same downwardly and inwardly to open position, said plate and spring being entirely housed within the cap.

3. A closure for receptacles comprising a cap having an opening formed in the top thereof, a plate pivotally mounted for swinging movement within the cap and adapted to form a closure for the opening therein, said plate being formed with an upstruck portion forming a depending projection, the rear end of which is provided with a cam face, a spring secured to the cover of the cap and having its free end bearing against the cam face of the projection, and a finger-piece operatively connected to the plate for moving the latter downwardly and inwardly to open position.

4. A closure for receptacles comprising a cap having an opening formed therein, a

plate pivotally mounted for swinging movement within the cap and forming a closure for the opening therein, said plate being provided with a depending integral projection extending within the cap and provided with a cam face, a spring having one end thereof secured to the cover of the cap and its opposite end bearing against the pivoted end of the plate and the cam face of the projection respectively, and a finger-piece connected to the pivoted end of the plate for moving the latter downwardly and inwardly to open position against the tension of said spring.

5. A closure for receptacles comprising a cap having an opening formed in the top thereof, a packing ring secured to the lower face of the top of the cap and surrounding the opening therein, a rod extending transversely through the cap, a plate pivotally mounted for swinging movement on said rod and adapted to bear against the packing ring to form a closure for the opening, a projection depending from the plate and provided with a cam face, there being a depression formed in the pivoted end of the plate above the projection, a spring secured to the cover of the cap and having its free end bearing against the cam face of the projection, and a pin extending through the cover of said cap and seated in the depression in the plate for moving the latter to open position.

In testimony whereof I affix my signature in presence of two witnesses.

CLARENCE R. HOPE. [L. s.]

Witnesses:

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HERBERT MERRIFIELD.