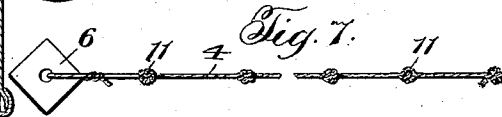
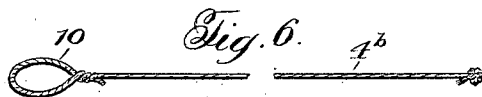
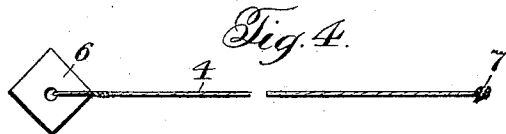
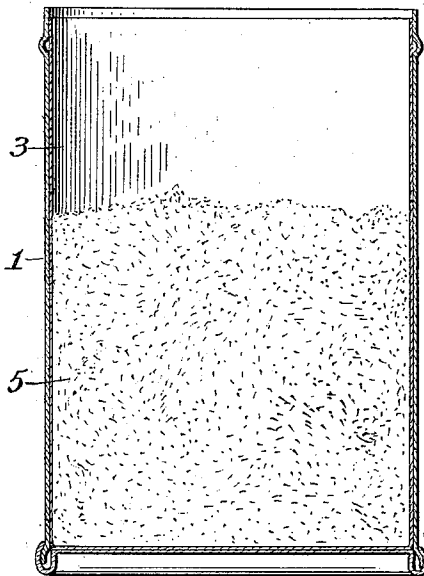
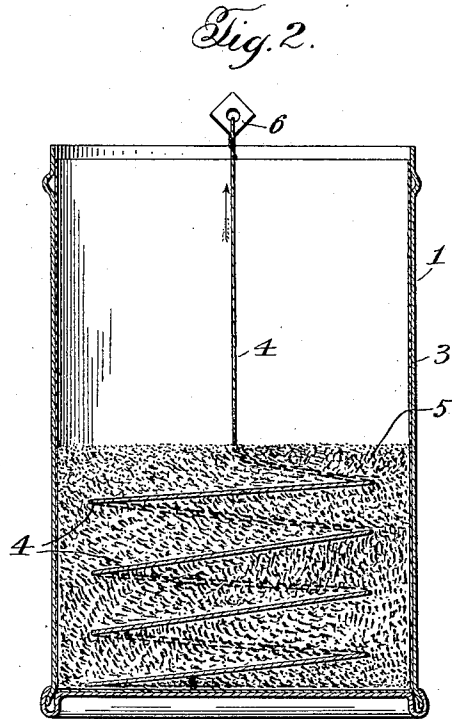
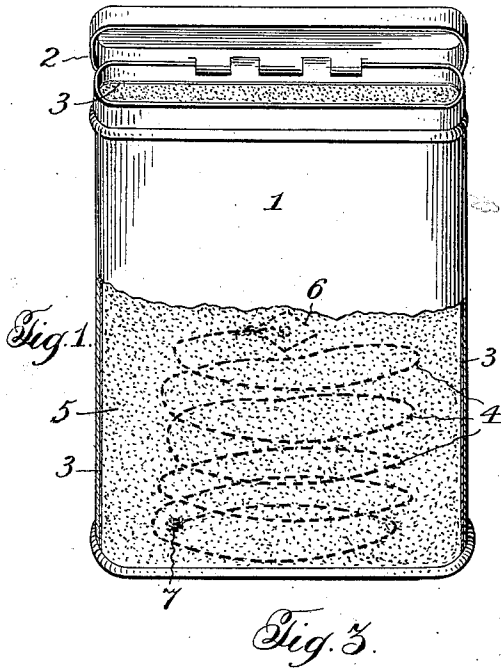


K. KOHN.
CONTAINER.

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1,041,635.

Patented Oct. 15, 1912.



Witnesses:

James Hutchinson.

L. Hutchinson.

Inventor:

Koby Kohn

By *Peter Freeman Nelson & Co.* Attorneys.

UNITED STATES PATENT OFFICE.

KOBY KOHN, OF LINCOLN, NEBRASKA.

CONTAINER.

1,041,635.

Specification of Letters Patent.

Patented Oct. 15, 1912.

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To all whom it may concern:

Be it known that I, KOBY KOHN, a citizen of the United States, residing at Lincoln, county of Lancaster, State of Nebraska, have invented certain new and useful Improvements in Containers, of which the following is a specification.

The present invention relates to improvements in containers for fibrous or granular material, such as, for example, smoking tobacco.

Such material is commonly closely packed in a relatively narrow deep box and owing to the pressure employed, the character of the material and the shape and dimensions of such box it is quite difficult to withdraw or remove the material from the lower portion of the box. It is frequently necessary to employ some special means, such as a knife blade or other implement to loosen the closely packed mass, as the opening at the top of the box is frequently of such size as to prevent the entrance of a person's hand. Furthermore as such boxes are commonly made of metal there is considerable danger of the user's hand being cut or injured in removing, for example, the lower half or one-third of the contents.

The object of the present invention is to provide a box or container of the character referred to with means whereby after a portion of the contents of the box have been removed the remaining body or mass of material may be readily so broken or partially disintegrated that it can be removed as desired.

In the accompanying drawings: Figure 1 is an elevation of a box or container constructed in accordance with the present invention, a portion of the outer shell or casing being broken away and the lid or top being shown in open position. Fig. 2 is a vertical sectional view through the container showing the disintegrating or breaking up device partially embedded. Fig. 3 is a similar view showing a different condition of the contents from Fig. 2 and illustrating the effect of the invention. Fig. 4 is a detail view of the disintegrating or breaking up device shown in Figs. 1 and 2. Figs. 5, 6 and 7 illustrate modifications of such device.

Referring to the drawings, 1 designates the outer shell or casing of a box or container of the form commonly employed for smoking tobacco. Said shell is commonly

made of metal and as shown is of substantially oblong form in cross section having an opening at the top adapted to be closed by a suitable lid or cover 2. Such shells or casings are frequently provided with a lining 3 of paper or other non-metallic material.

4 designates a flexible cord which is of such length that it may be coiled within the casing 1 and have its several convolutions embedded in the closely packed material 5 therein. Such cord is introduced into the shell 1 and lining 3, as the material 5 is packed therein and is of such length that the upper end thereof will be exposed and in position to be readily grasped when such material has been removed to a predetermined depth or extent. It will be readily understood that the upper portion of the body of material can be easily removed from the box by the user's fingers, but as before pointed out, after a relatively small proportion, for example, a third or even less of the contents of the box have been withdrawn it becomes difficult for the user to disintegrate or detach portions of the remaining contents without employing some special implement; and the cord 4 is so arranged that its upper end will be exposed, as before said, when that portion of the material 5 which can be readily removed has been withdrawn from the casing.

Fig. 1 represents the position of the parts when the container is completely filled. When a sufficient amount of the material has been withdrawn to expose the upper end of the cord 4, such end may be grasped and pulled upward as indicated in Fig. 2, and as said cord is withdrawn it will act to break up or disintegrate the closely surrounding portions of the material 5, and the relatively looser mass will occupy considerably more of the space within the shell and lining as is represented in Fig. 3 which shows the conditions when the cord has been entirely removed. The effect of withdrawing the cord is to so disintegrate or separate the material that any desired quantity thereof can be readily poured from the open end or mouth of the casing.

The cord 4 may be of any suitable fiber, preferably stiffened with some material so that it will produce the desired effect and at its upper end may be provided with a disk or tag 6 which constitutes a hand pull and which may receive advertising matter

if desired. As shown, the lower end of such cord is preferably provided with an enlargement or knot 7.

It will be seen that the form of the device 4 may be varied considerably and three different modifications of the preferred form are illustrated. The form shown in Fig. 5 comprises a simple cord 4^a having terminal enlargements 8, 9. In the form illustrated in Fig. 6 the cord 4^b is provided at its upper end with a loop 10 having the same function as the tag or disk 6 of the preferred form, and in the form illustrated in Fig. 7 the cord is provided at intermediate points in its length with enlargements 11.

The manner of using and the advantages incident to the invention will be readily understood and appreciated from the foregoing description in connection with the drawing. It will be seen that the invention provides a very simple and inexpensive means by which the entire contents of such a container may be readily removed. The length and diameter of the cord-like device will be varied according to the dimensions of the shell or casing and the character of material to be packed therein.

While the invention is particularly applicable for containers or boxes for smoking tobacco yet, as aforesaid, it is applicable to containers for any fibrous or granular material which is closely packed and in which, owing to the shape of the casing, the dimensions of the mouth thereof and the nature of the material it is difficult to withdraw or remove the same from the lower end of the container.

The invention is also especially applicable to containers having a relatively small delivery opening which renders the removal of the contents unusually difficult and inconvenient.

Tobacco containers usually have a lining therein and the lining at the bottom of the container has numerous creases which the tobacco enters when packed. These creases then hold the bottom layer of tobacco very firmly and my invention is especially adapted to break up this layer, the knot or enlargement at the end of the cord being placed against the casing and therefore readily breaks up the bottom layer when withdrawn.

No claim is herein made to the method of packing or packaging tobacco disclosed by the foregoing specification and illustrated in the drawing, the right being reserved to present such claims in a separate application.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. The combination with a shell or casing having a delivery opening at its top, and a body of closely packed material within said

shell, of a flexible strand or cord-like device embedded in said material and adapted to break up the mass in the lower section of the casing so that portions thereof may be readily removed.

2. The combination with a shell or casing having a delivery opening at its top, and a body of closely packed material within said shell, of a flexible strand packed into the shell with said material in the form of a series of spiral convolutions whereby the mass of material in which the strand is embedded will be broken up as the strand is withdrawn therefrom.

3. A package comprising a shell or casing having a discharge opening at its upper end, a body of granular or fibrous material closely packed within the casing, and means intimately engaged with the material and adapted to progressively break up the closely packed mass as it is withdrawn therefrom.

4. A package comprising a shell or casing having a discharge opening at its upper end, granular or fibrous material closely packed within the casing, and an elongated flexible device arranged in folds throughout a portion of the body of said material and adapted, when drawn therefrom, to progressively break up the mass in which it is embedded.

5. A package comprising a shell or casing having an opening at its upper end, a cover for said opening, granular or fibrous material closely packed within the casing, and an independent device intimately engaged with and arranged wholly below the surface of said material and adapted to break up or disintegrate the portion of the material in which it is embedded as it is withdrawn therefrom, said device being exposed and rendered operative by partially emptying the shell or casing and the disintegrated mass produced by the withdrawal of said device occupying more space within the casing than when said device was engaged therewith.

6. A package comprising a shell or casing having a delivery opening at its top, granular or fibrous material closely packed in said casing, and a cord-like device packed in the casing with said material, entirely below the upper surface thereof, and so intimately associated therewith as to break up the mass of material as it is withdrawn therefrom.

7. A package comprising a metal shell open at the top, a cover for said opening, a paper lining within the shell, granular or fibrous material closely packed within said lining, and a cord-like device arranged within the casing below the upper surface of the material packed therein and so intimately engaged with said material as to break up the mass thereof as it is withdrawn therefrom.

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8. The combination with a shell or casing having a delivery opening at its top, and a body of closely packed material within said shell, of a cord-like device embedded in the material in the form of a plurality of con-
5 volutions, whereby as said device is withdrawn the surrounding mass will be broken up, said device having at its upper end a disk or tag constituting a hand pull, which pull will be exposed when a predetermined 10 amount of material has been withdrawn from the casing.

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

KOBY KOHN.

Witnesses:

EBEN R. BLACK,
J. WELFORD HARTZELL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
