July 12, 1938. J. F. CUNNINGHAME 2,123,501

POWDER CONTAINER

Filed Aug. 10, 1937

Fig. 1.

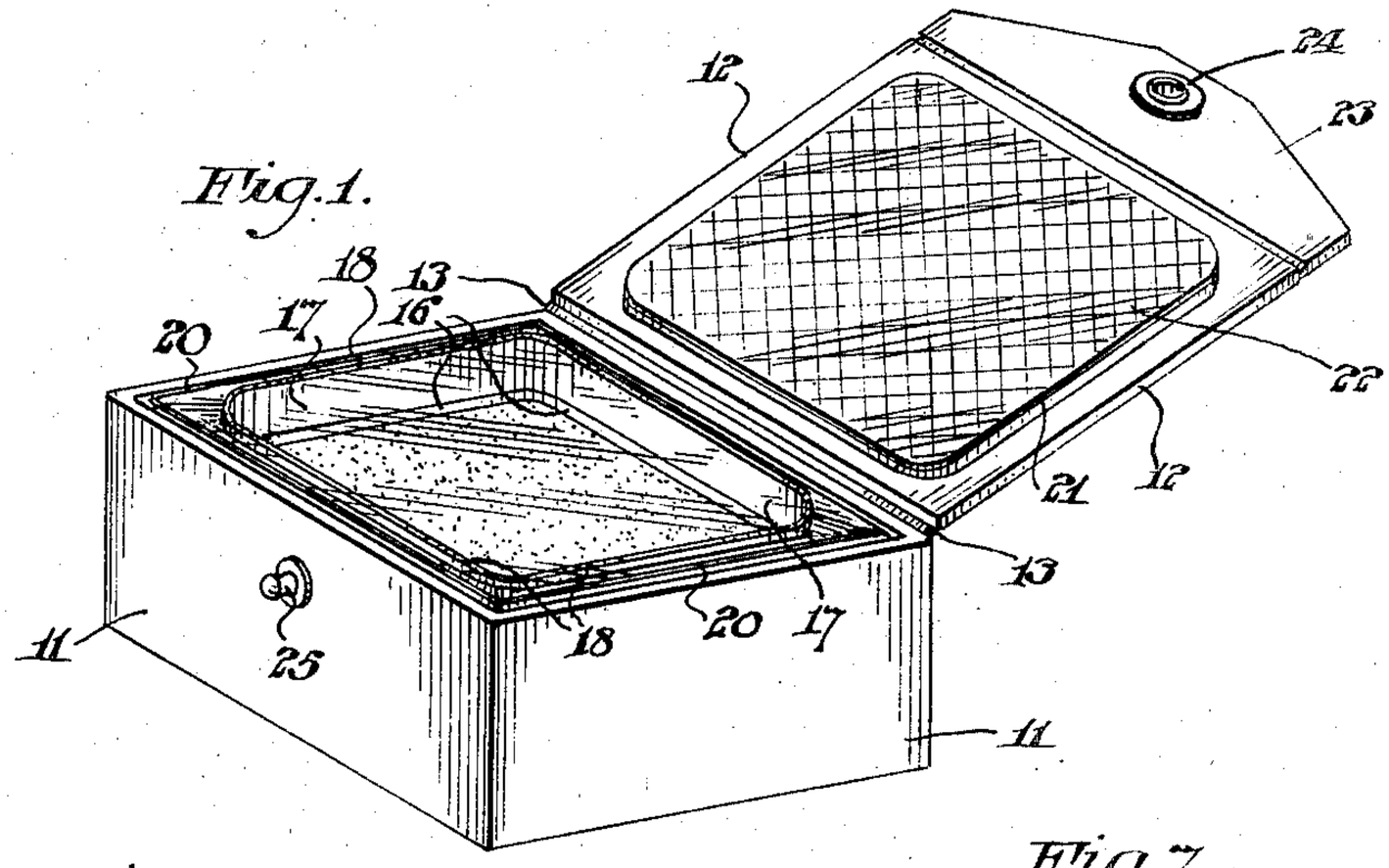



Fig. 2.

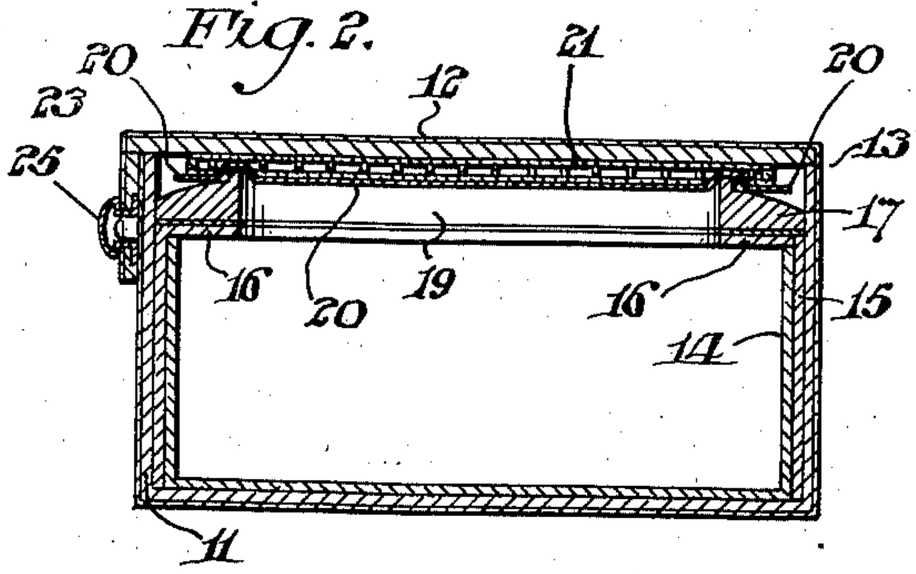



Fig. 7.

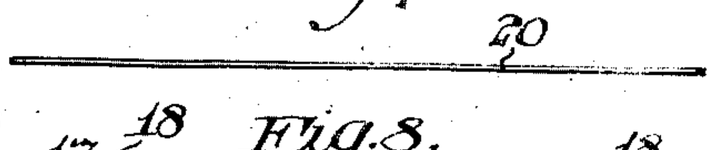



Fig. 8.

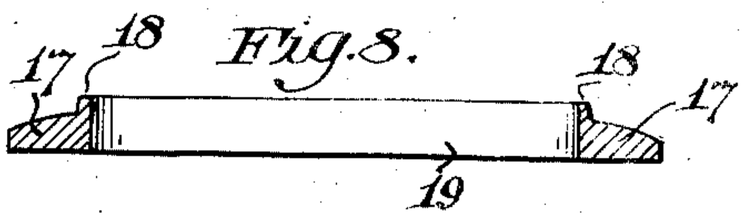



Fig. 3.

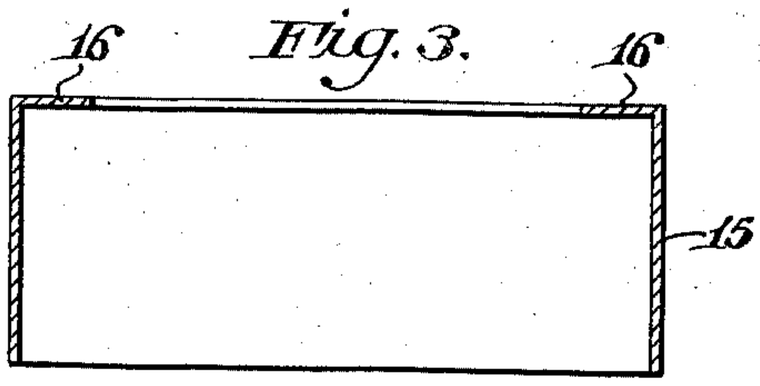



Fig. 5.

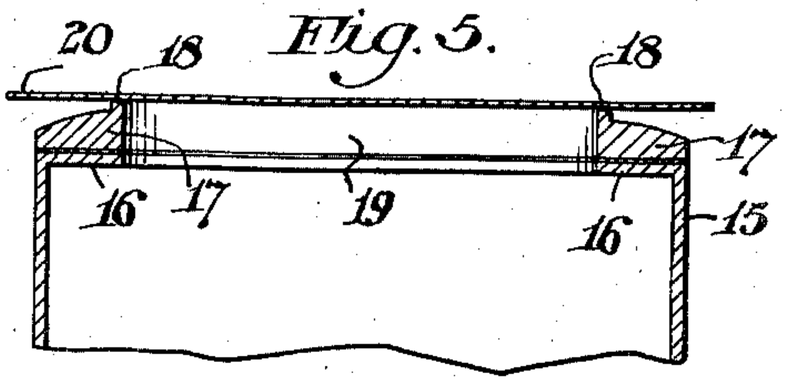



Fig. 4.

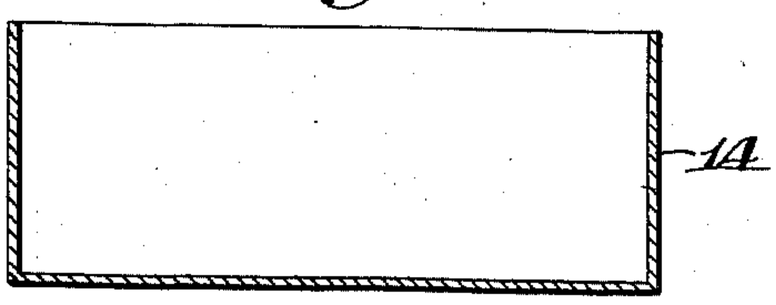
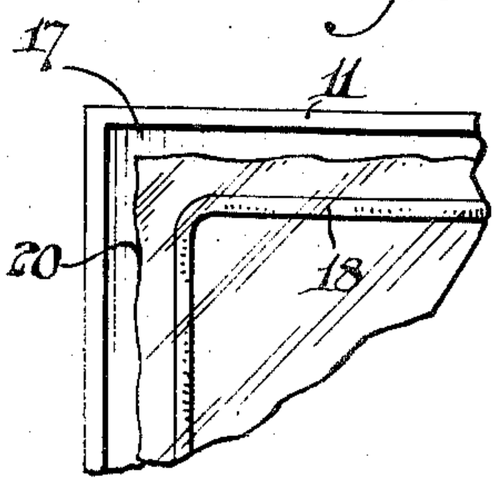



Fig. 6.

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Patented July 12, 1938 2,123,501

# UNITED STATES PATENT OFFICE

2,123,501

## POWDER CONTAINER

James F. Cunninghame, Collingswood, N. J.

Application August 10, 1937, Serial No. 158,290

3 Claims. (Cl. 229—43)

The invention relates to improvements in boxes or containers for fine powders, such as face powder or the like.

The object is to provide a powder box or container that will keep the powder effectively sealed from the atmosphere, not only for storage and transportation, but also after the container has been opened. That is, means are provided whereby the container may be opened from time to time, and after removing some of the powder therefrom the container may be closed and hermetically sealed as effectively as when the same is first filled and closed for transportation.

The invention comprises simple and effective means for holding the powder within the container free from moisture or other atmospheric conditions, while permitting the withdrawal from time to time until the entire contents have been removed.

The invention also comprises simple reinforcing means whereby the container may effectively resist distortions due to pressures or rough handling in transportation.

The invention especially comprises a container having a marginal member or frame associated with its open end, and provided with a pressure resistant bead for cooperation with a cushioning moisture-proof element associated with a suitable closure or lid.

Referring to the drawing which illustrates by way of example a suitable embodiment of the invention;—

Fig. 1 is a perspective view of the device in accordance with my invention, the lid or closure being in open position.

Fig. 2 is a vertical cross-section of same with the lid in closed position.

Fig. 3 is a sectional view of the flanged element adapted to be secured to the container proper.

Fig. 4 is a sectional view of the container or powder box proper.

Fig. 5 is a fragmentary section of the beaded frame and associated elements.

Fig. 6 is a fragmentary plan showing the top of the beaded frame, the surrounding box and the cellophane cover.

Fig. 7 is a view in elevation of the cellophane cover.

Fig. 8 is a sectional view of the beaded frame or cap.

Similar numerals refer to similar parts throughout the several views.

The device comprises a composite box or container consisting of an outer box or receptacle 11 having a lid or closure 12 hinged thereto, as at 13. A container proper 14 is provided for holding the powder. A flanged element 15 is adapted to be secured in any suitable way to the container 14. The element 15 is provided with a top marginal flange 16 in a plane at right angles with its side walls. This flange is adapted to rest upon or lie approximately in, the plane of the upper edges of the side walls of container 14, and thus contract slightly the opening to said container. It will of course be understood that the marginal flange 16 may be secured in position at the top margin of container 14 in any other suitable way.

Upon the flange 16 is secured the frame or cap 17 of relatively hard or rigid material provided with the top inner marginal upwardly projecting bead 18. The opening 19 in the frame or cap 17 registers approximately with the opening within the inner margin of the flange 16.

The elements 14, 15, 16 and 17 are preferably secured together, making a single unit.

A sheet 20 of cellophane or similar material is adapted to lie upon and over the bead 18 as hereinafter described.

The outer box 11 is so proportioned as to receive, with a close movable fit, said elements 14, 15, and 17. The lid or closure 12 is preferably hinged to one upper edge of box 11, as at 13. This lid is provided upon its inner side with a pad 21 of resilient or yielding material of slightly less dimension than that of the top opening of the box 11, but of slightly greater dimension than the bead 18, so that it will cooperate with said bead in providing an effective hermetic seal or closure. The pad 21 may be of sponge rubber, felt or other suitable yielding and slightly elastic material. This pad is preferably provided with a smooth facing or cover 22 of water-proof material for co-operating with the bead 18.

The sheet 20 of cellophane or similar material, is adapted to lie upon and be sealed by a suitable adhesive, to the bead 18, so that the powder may be seen through the same when the lid or closure 12 is opened, without exposing the powder to the atmosphere. When it is desired to use the powder the cellophane is pulled away from the bead, and the cooperation of the pad with the bead will still maintain a hermetic seal of the closure with the bead.

The lid 12 is provided with a hinged flap 23 having a fastening element 24 for cooperation with fastening element 25 for normally maintaining the lid 12 in tightly closed position, as shown in Fig. 2.

The frame or cap 17, and especially its bead 18,

is made of hard or pressure resistant material so as to press into the pad 21 when the lid is locked in closed position.

What I claim is:—

1. In a device of the character described, the combination of a container open at the top, a flanged element connected to the open container, said flange projecting over the top of the container, a cap formation secured upon said flange, having a central opening and an upwardly projecting bead of relatively rigid material surrounding said opening and a closure having a moisture-proof yielding surface for cooperation with the bead.

2. In a device of the character described, the combination of a container open at the top, an open frame formation surmounting the open top of the container and hermetically sealed therewith, said frame provided on its upper side with an upwardly projecting bead of relatively rigid material surrounding the opening in said frame, and a closure provided with a body having a moisture-proof yielding surface for cooperation with the bead.

3. In a device of the character described, the combination of a container open at the top, an open frame formation surmounting the open top of the container and hermetically sealed therewith, said frame provided on its upper side with an upwardly projecting bead of relatively rigid material surrounding the opening in said frame, a closure provided with a body having a moisture-proof yielding surface for cooperation with the bead and an outer box for receiving said container having a lid hinged thereto, said lid being provided with said closure body, said outer box having its side walls spaced from the margin of the closure body, when said lid is in closing position.

JAMES F. CUNNINGHAME.