

Sept. 18, 1923.

R. BUEDINGEN

1,468,000

CONTAINER

Filed Oct. 10, 1921

Fig. 1.

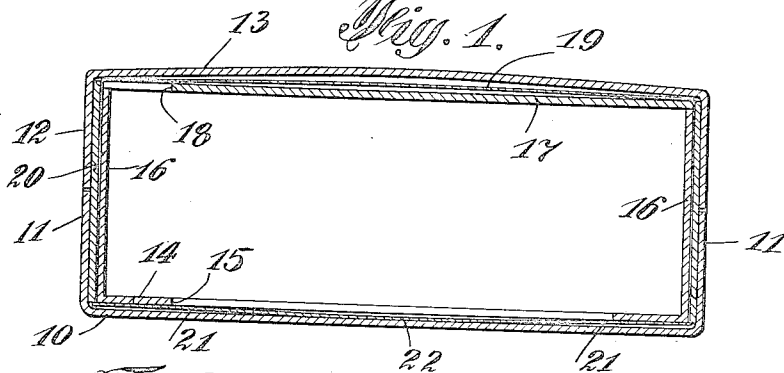


Fig. 2.

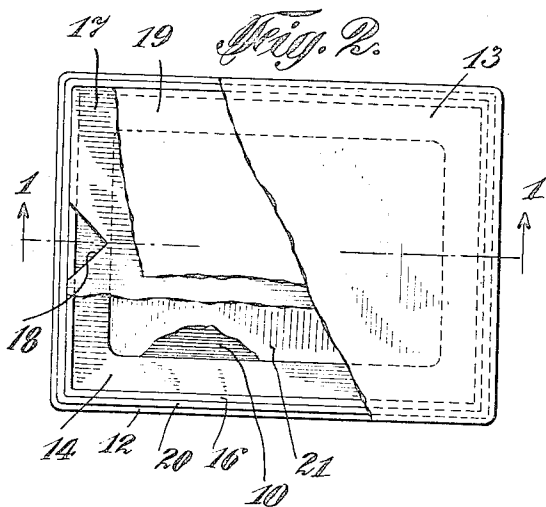


Fig. 3.

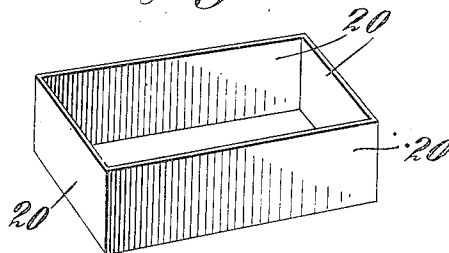


Fig. 5.

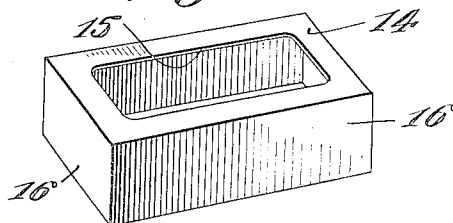


Fig. 4.

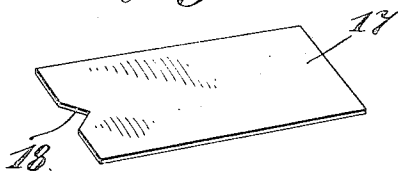


Fig. 7.

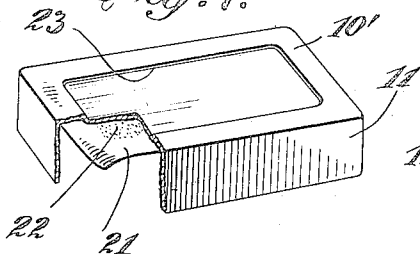
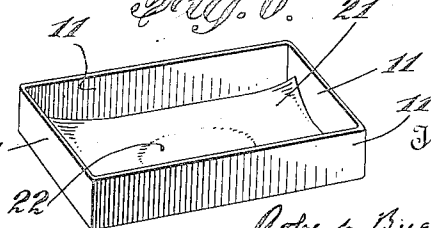


Fig. 6.



Inventor

Robert Buedingen
By *Amos J. ...*
his Attorney

Patented Sept. 18, 1923.

1,468,000

UNITED STATES PATENT OFFICE.

ROBERT BUEDINGEN, OF ROCHESTER, NEW YORK.

CONTAINER.

Application filed October 10, 1921. Serial No. 506,566.

To all whom it may concern:

Be it known that I, ROBERT BUEDINGEN, a citizen of the United States, residing in the city of Rochester, county of Monroe, and State of New York, have invented certain new and useful Improvements in Containers, of which the following is a full, clear, and exact specification.

My invention relates to containers and refers particularly to containers for carrying fine powders.

Containers intended for use with fine powders, as for instance face powders, must be of such construction as to prevent the sifting out of the powder during transportation and use, and must further be of economic construction and must be capable of being easily filled with the powder and readily sealed from leakage.

The container of my invention possesses all of these advantages and others which will be evident upon a consideration of the accompanying drawings and the specification.

My container comprises a powder retainer, having a fragile top, placeable within the container proper, and a means whereby the filling opening of the retainer may be completely covered and sealed by a sealing device fixedly attached to the bottom of the box, thus presenting an impervious container, capable of retaining an enclosed powder free from sifting and leakage.

In the accompanying drawings illustrating modified forms of the container of my invention, similar parts are designated by similar numerals.

Figure 1 is a section through the line 1—1 of Figure 2.

Figure 2 is a top plan view of one form of my container, broken away to illustrate its construction.

Figure 3 is a perspective view of one of the sealing means.

Figure 4 is a perspective view of a retainer for the fragile top.

Figure 5 is a perspective view of the powder retaining member.

Figure 6 is a perspective view of the container bottom showing the sealing means.

Figure 7 is a broken perspective view of a modified form of my container bottom.

The particular form of the container of my invention shown in the accompanying drawings comprises a bottom 10 having upwardly extended flange sides 11, 11, upon

which the flanges 12, 12 of the cover 13 are capable of abutment.

An inner powder retainer is formed by a rectangular member having the bottom 14, with the opening 15 and the flange sides 16, 16. A piece of cardboard 17, having an opening 18 is placed upon the upper extremities of the flanges 16, 16 to support the fragile member 19, and a sheet of fragile material, as paper, 19, is placed over the upper open portion of the powder container and the extended edges thereof folded downwardly over the exterior face of the flanges 16, 16 and fixedly attached thereto by means of glue. The device thus formed is placed within the rectangular member formed by the sides 20, 20 and fixedly attached thereto by means of glue.

The bottom 10 carries a sealing member comprising a piece of packing material, as paper, 21, fixedly attached at the central portion of the material, 22, the remainder of which is free from attachment to the bottom for purposes described later.

The assembled container is shown in Figures 1 and 2.

To fill the container, the bottom 10 is removed and the device inverted. Powder is introduced into the powder retainer through the opening 15 of the member 14. When sufficient powder has been introduced, a glue solution is placed upon the free unattached portion of the sealing member 21, and the inner faces of the flanges 11, 11, and the bottom is then placed upon the filled powder retainer and pressed thereon, by which means the sealing member 21 will completely cover the bottom 14 and is firmly attached thereto, the flanges 11, 11 at the same time being fixedly attached to the sides 20, 20.

It is evident that the free portions 21 of the sealing member will be attached to all portions of the face of the member 14, even if the latter should be pressed slightly inwardly at some portions, which would not be the case if the sealing member were attached throughout to the bottom 10, and it is also to be noted that the member 14 is essential in order to form sufficient sealing surface.

An examination of my container as thus illustrated and described shows that its peculiar form of construction renders it absolutely free from leakage.

The modified form of the bottom shown in Figure 7 comprises the bottom 10' having

an indented portion 23 capable of being fitted within the opening 15 of the powder retainer to insure an additional closure.

In order to obtain the powder from the container, the cover 13 is removed, the fragile member 19 is broken and the supporting member 17 removed by means of the opening 18, thus exposing the contained powder.

I do not limit myself to the particular size, shape, number or arrangement of parts as shown and described, all of which may be varied within the scope of my invention.

What I claim is:

1. In a container, in combination, a powder retainer having an inwardly extended flange; a fragile top covering the open side of the retainer and attached to the sides thereof; a supporting member for the fragile top; a surrounding member attached to the retainer; a container bottom; and a sealing member centrally attached to the inner face of the bottom, the outward portion of the sealing member being unattached to the bottom, whereby the attachment of the free portions of the sealing member to the retainer flange will produce a closure of the retainer.

2. In a container, in combination, a powder retainer having an inwardly extended flange; a fragile top covering the open side of the retainer and attached to the sides thereof; a supporting member for the fragile top; a surrounding member attached to the retainer; a container bottom; a sealing member centrally attached to the inner face of the bottom, the outward portions of the sealing member being unattached to the bottom, whereby the attachment of the free portions of the sealing member to the retainer flange will produce a closure of the retainer; and a removable cover for the retainer.

3. In a container, in combination, a powder retainer having an inwardly extended flange; a fragile top covering the open side of the retainer and attached to the sides thereof; a supporting member for the fragile top abutting upon the edge of the retainer sides; a surrounding member attached to the retainer; a container bottom; and a sealing member centrally attached to the inner face of the bottom, the outward portions of the sealing member being unattached to the bottom, whereby the attachment of the free portions of the sealing member to the

retainer flange will produce a closure of the retainer.

4. In a container, in combination, a powder retainer having an inwardly extended flange; a fragile top covering the open side of the retainer attached to the sides thereof; a supporting member for the fragile top abutting upon the edge of the retainer sides; a surrounding member attached to the retainer; a container bottom; a sealing member centrally attached to the inner face of the bottom, the outward portions of the sealing member being unattached to the bottom, whereby the attachment of the free portions of the sealing member to the retainer flange will produce a closure of the retainer; and a removable cover for the retainer.

5. In a container, in combination, a powder retainer having an inwardly extended flange; a fragile top covering the open side of the retainer and attached to the sides thereof, a supporting member for the fragile top; a surrounding member attached to the retainer; a container bottom having side members capable of attachment to the retainer; a sealing member centrally attached to the inner face of the bottom, the outward portions of the sealing member being unattached to the bottom member, whereby the attachment of the free portions of the sealing member of the retainer flanges will produce a closure of the retainer; and a removable cover for the retainer.

6. In a container, in combination, a powder retainer having an inwardly extended flange; a fragile top covering the open side of the retainer and attached to the sides thereof, a supporting member for the fragile top abutting upon the edge of the retainer sides; a surrounding member attached to the retainer; a container bottom having side members capable of attachment to the retainer; a sealing member centrally attached to the inner face of the bottom, the outward portions of the sealing member being unattached to the bottom member, whereby the attachment of the free portions of the sealing member to the retainer flange will produce a closure of the retainer and a removable cover for the retainer.

Signed at Rochester, in the county of Monroe and State of New York this 3 day of October, 1921.

ROBERT BUEDINGEN.