Oct. 30, 1923. 1,472,658

A. LINDENMAYER

RECEPTACLE FOR HOLDING POWDERED MATERIAL OR THE LIKE

Filed May 25, 1923

Fig. 1.

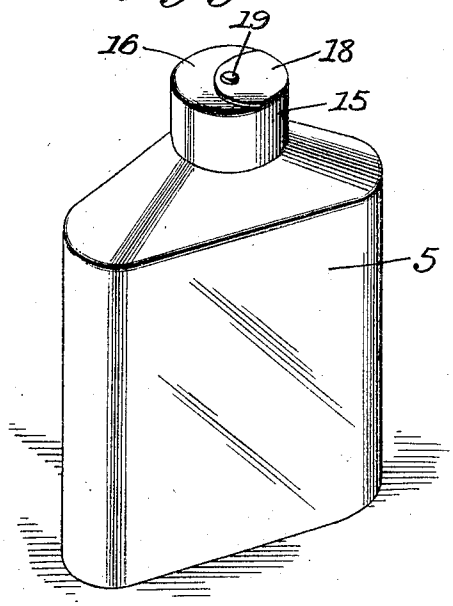


Fig. 2.

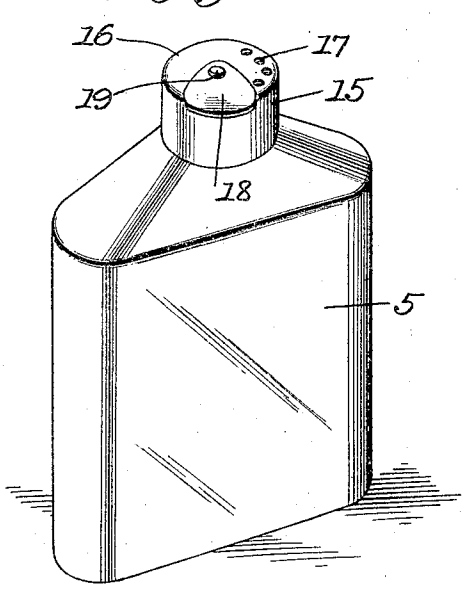


Fig. 3.

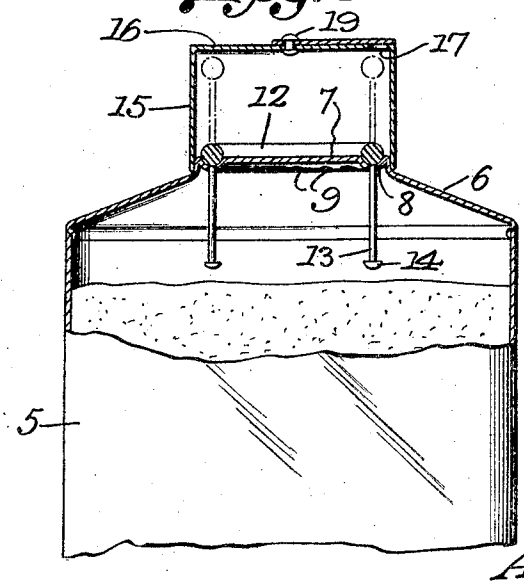
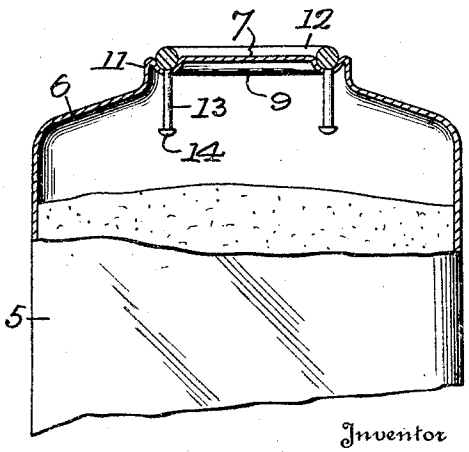


Fig. 4.



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Patented Oct. 30, 1923. 1,472,658

UNITED STATES PATENT OFFICE.

ARTHUR LINDENMAYER, OF LANSDOWNE, PENNSYLVANIA.

RECEPTACLE FOR HOLDING POWDERED MATERIAL OR THE LIKE.

Application filed May 25, 1923. Serial No. 641,463.

To all whom it may concern:

Be it known that I, ARTHUR LINDENMAYER, a citizen of the United States, residing at Lansdowne, in the county of Delaware and State of Pennsylvania, have invented certain new and useful Improvements in Receptacles for Holding Powdered Material or the like, of which the following is a specification.

My invention relates to improvements in receptacles for holding powder, or finely divided material, while not necessarily restricted to this use.

An important object of the invention is to provide means, of simplified construction, which will automatically retain the receptacle closed, for the exclusion of the atmosphere, when not in use, but will permit of the free passage of the powder, when desired.

A further object of the invention is to provide means for permanently closing the receptacle, during shipment.

Other objects and advantages of the invention will be apparent during the course of the following description.

The present application is a continuation in part of my copending application for receptacle for holding powdered material or the like, filed January 23rd, 1923, Serial No. 614,424, which application has matured into Letters Patent No. 1,457,879, issued June 5, 1923.

In the accompanying drawings forming a part of this specification, and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a perspective view of the receptacle, closed,

Figure 2 a is similar view with the permanent closure open,

Figure 3 is a central vertical sectional view through the receptacle, and,

Figure 4 is a similar view through a slight modification.

In the drawings, wherein for the purpose of illustration are shown preferred embodiments of my invention, attention being called first to Figures 1 to 4 inclusive, the numeral 5 designates the body portion of a receptacle, preferably having a shoulder 6. This shoulder is provided centrally thereof with a plate 7, preferably having an annular depression 8, and this depression is provided with an annular series of apertures 9. The plate 7 forms an upstanding flange 11 with the shoulder 6, as shown.

The numeral 12 designates a ring-valve, adapted to seat within the annular depression 8, to cover the apertures 9. This ring-valve carries depending pins 13, provided at their inner ends with heads 14. These pins slide within selected apertures 9, and serve as guide and stop means for the ring-valve.

In Figures 1 to 3 inclusive, the receptacle is shown as provided with a tubular neck element 15, receiving the flange 11 therein, to which the neck element may be soldered or otherwise attached. This neck element serves to house the ring-valve 12. The neck element 15 is provided with an outer plate 16, having a series of apertures 17, preferably arranged in a segmental group. These apertures are adapted to be covered by a valve 18, pivoted at 19, to the outer plate 16.

In Figure 4, I have shown a modified construction of the device. The construction is substantially identical with that shown in Figure 3, excepting that the neck element 15 and elements carried thereby, are omitted.

In the use of the first form of the device, during shipment, the valve or cover element 18 is swung over the apertures 17, and hence the contents cannot spill from the receptacle. The valve 18 may be swung to the open position, whereby the receptacle may be shaken and the powder will pass through the apertures 17, as is obvious. When the receptacle is not in use, the ring-valve automatically seats and covers the apertures 9.

It is to be understood that the forms of my invention herewith shown and described are to be taken as preferred examples of the same, and that various changes in the shape, size, and arrangement of parts may be resorted to without departing from the spirit of my invention or the scope of the subjoined claims.

Having thus described my invention, what I claim is:

1. A receptacle comprising a body portion embodying a plate having a substantially annular set of apertures, a neck element carried by the body portion and provided with outlet means, a ring-valve mounted within the neck element and adapted to cover the

annular set of apertures, and guide pins attached to the ring-valve and slidably engaging the body portion.

2. A receptacle comprising a body portion embodying a plate having a substantially annular set of apertures, a neck element carried by the body portion and having outlet means, a ring-valve to cover and uncover the annular set of apertures, guide pins attached to the ring-valve and slidably engaging the body portion, and an element carried by the neck element to cover and uncover the outlet means.

3. A receptacle comprising a body portion embodying a plate having a substantially annular set of apertures, a neck element carried by the body portion and covered by a plate provided with apertures, a movable valve to cover and uncover the last named apertures, a ring-valve to cover and uncover the annular set of apertures, and headed pins attached to the ring-valve and slidably engaging the body portion.

4. A receptacle comprising a body portion embodying a plate having a substantially annular set of apertures, a neck element carried by the body portion, a ring-valve within the neck element to cover and uncover the annular set of apertures, and guide pins within the neck element engaging the ring-valve and body portion.

5. A receptacle comprising a body portion provided with a substantially annular set of apertures, a ring-valve mounted upon one side of the apertures to cover and uncover such apertures, and guide pins secured to the ring-valve and slidably engaging the body portion.

6. A receptacle comprising a body portion provided with an annular set of apertures, a ring-valve arranged exteriorly of the receptacle to cover and uncover the apertures, and headed pins secured to the ring-valve and projecting into the body portion through selected apertures.

In testimony whereof I affix my signature.

ARTHUR LINDENMAYER.