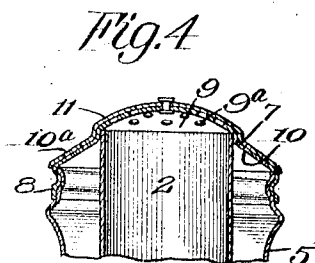
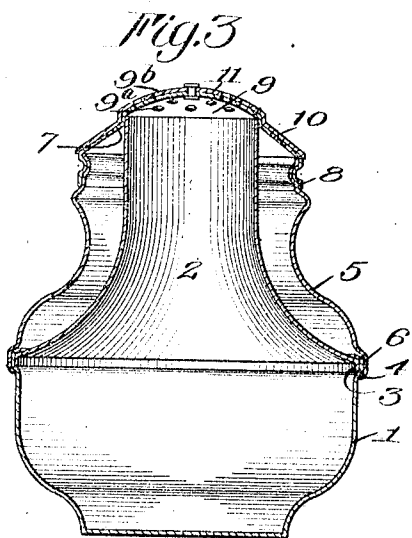
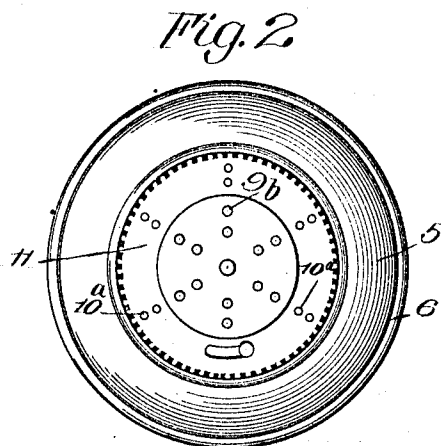
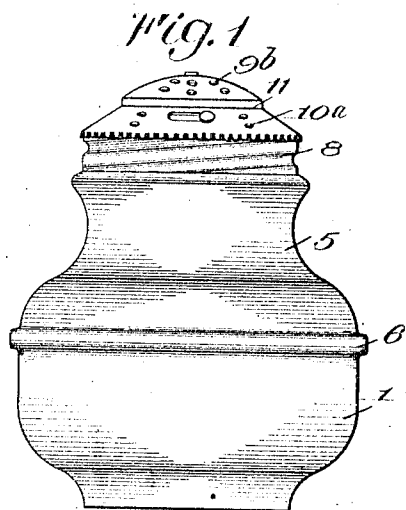


C. J. WILK & G. F. HOLTZ.
MULTICOMPARTMENT SHAKER.
APPLICATION FILED APR. 1, 1912.

1,039,236.

Patented Sept. 24, 1912.



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CHARLES J. WILK AND GEORGE F. HOLTZ, OF ROCHESTER, NEW YORK.

MULTICOMPARTMENT SHAKER.

1,039,236.

Specification of Letters Patent. Patented Sept. 24, 1912.

Application filed April 1, 1912. Serial No. 637,667.

To all whom it may concern:

Be it known that we, CHARLES J. WILK and GEORGE F. HOLTZ, of Rochester, in the county of Monroe and State of New York, have invented a new and useful Improvement in Multicompartment Shakers, which improvement is fully set forth in the following specification and shown in the accompanying drawings.

The present invention relates to multicompartment shakers, and an object of the same is to provide a construction in which the several compartments are located so that a device is provided which has the general appearance of a single-compartment shaker.

Another object of the invention is to improve the manner of constructing multicompartment shakers so that the parts thereof may be inexpensively formed from sheet material by the usual pressing or spinning processes.

Still another object of the invention is to provide a common closure for the several compartments so connected to the receptacle that the mixing of the materials is prevented, while, at the same time, an effective closure is obtained.

To these and other ends the invention consists in certain parts and combination of parts, all of which will be hereinafter described and more particularly pointed out in the appended claims.

In the drawings: Figure 1 is a side view of a shaker constructed in accordance with the present invention; Fig. 2 is a plan view of the device; Fig. 3 is an axial vertical section through the shaker showing the closure valve in one position; and Fig. 4 is a similar section of the upper portion of the shaker with the closure valve in another position.

In the illustrated embodiment of this invention, there is employed a compartment formed of a cup-shaped bottom section 1 and a reduced discharge portion section 2, which, in this instance, is narrower at its top than the bottom section 1 and flares outwardly at its lower portion where it is secured to the bottom section, having, preferably, a short ring flange 3 at its lower edge about which the upper edge 4 of the bottom section is bent to provide a seam.

A second compartment is provided by surrounding the reduced portion or member 3 of the first named compartment with an open ended member or sleeve, the latter be-

ing ornamented in any suitable manner. The lower end of this sleeve is bent about the upper portion 4 of the bottom member 1 as at 6, so that the three members 1, 2 and 5 are secured together in one seam. The upper end of the member 5 is below the upper end of the member 2, so that the member 2 projects above the member 5. The space between the member 5 and the member 2 provides a small compartment and the flared portion of the member 2 serves as the bottom for such compartment.

It is preferred to provide a common closure for the two compartments and, to this end, a cap 7 is employed provided with a depending flange 8, which is pressed to form screw threads which cooperate with similar threads formed on the upper portion of the member 5. The closure may also be pressed or otherwise formed to provide a centrally arranged pocket 9 having a diameter corresponding to the external diameter of the upper end of the member 2, so that such upper end may fit tightly within the pocket and thus perfectly prevent the intermingling of the materials in the two compartments. The closure is provided, near the center or within the pocketed portion with openings or perforations 9^a, while near its periphery openings 10 are formed.

Mounted to rotate upon the closure 7 is a valve 11 which conforms to the top face of the closure 7. This valve is likewise provided with two sets of openings, one, 9^b, being adapted to aline with the openings 9^a and the other, 10^a being adapted to aline with the openings 10 in the closure. The openings are so arranged that when the openings 9^a and 9^b are alined the openings 10 and 10^a will be unalined, and vice versa. By having the rotary valve formed with a central pressed-portion and then at a slight inclination beyond such pressed-up portion, the valve is strengthened against distortion and, in this way, it is possible to maintain the valve in close engagement with the top surface of the closure 7, thus preventing the materials working between the closure and the rotary valve.

In the use of the invention, material, such as salt, is placed within the large or central compartment, and another material, such as pepper, is placed within the other compartment. The rotation of the valve effects the opening of the perforations in one compart-

ment and the closing of those in the other, so that it is possible to obtain either material without the other. The receptacle is so formed that it is neat in appearance and may be made to simulate an ordinary one-compartment shaker. It may be inexpensively formed from sheet material and provides only one seam for uniting its several parts.

10 What we claim as our invention and desire to secure by Letters Patent is:

1. A multi-compartment shaker comprising a main compartment having a reduced discharge portion open at its upper end, the reduced discharge portion connecting with the other portion of the main compartment above the bottom of said compartment by an outwardly turned portion, a member surrounding said reduced discharge portion, open at its upper end, and having its lower end secured to the main compartment at such a point that the outwardly turned portion forms the bottom of a compartment lying between the said member and the reduced portion, and a common closure for the two compartments.

2. In a multi-compartment shaker, the combination of a main compartment formed of a bottom member and a reduced discharge member open at its top, flared outwardly at its lower end and secured to the bottom

member, with a second compartment formed by a member surrounding the reduced discharge member and secured at its lower end so that the flared portion of the discharge member forms the bottom of the second compartment.

3. In a multi-compartment shaker, the combination of a main compartment formed of a bottom member and a member open at its upper end and turned outwardly at its lower end which is secured to the bottom member, with a second compartment formed of a member surrounding the open ended member, open at its upper end and secured at its lower end at the lower end of the second named member, and a common closure for the two compartments.

4. In a multi-compartment shaker, the combination with a bottom member, and a member seamed thereto and open at its upper end, of a member arranged within the structure thus formed, open at its upper end, flared outwardly at its lower end and secured in the seam between the first two named members.

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Witnesses:

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