

No. 873,497.

PATENTED DEC. 10, 1907.

Y. K. BUELL.

RECEPTACLE FOR POWDERED SUBSTANCES.

APPLICATION FILED SEPT. 18, 1907.

Fig. 1.

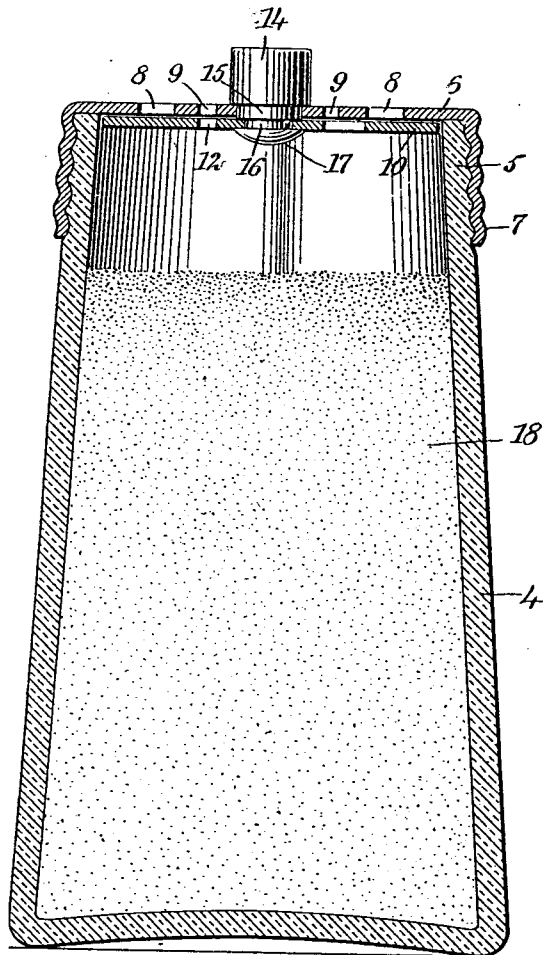


Fig. 2.

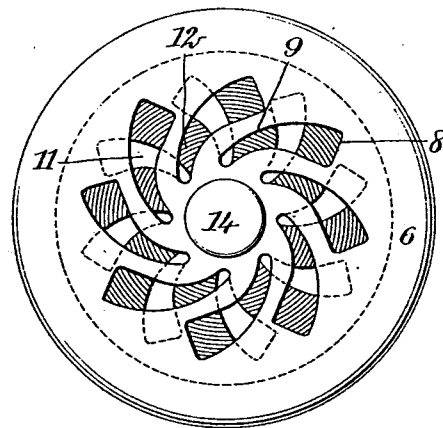
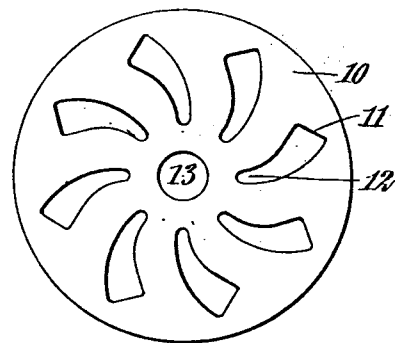


Fig. 3.



WITNESSES

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RECEPTACLE FOR POWDERED SUBSTANCES.

No. 873,497.

Specification of Letters Patent.

Patented Dec. 10, 1907.

Application filed September 18, 1907. Serial No. 393,454.

To all whom it may concern:

Be it known that I, YOUNG KIE BUELL, a subject of the Emperor of China, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Receptacle for Powdered Substances, of which the following is a full, clear, and exact description.

My invention relates to receptacles for powdered substances, my more particular object being to produce such a receptacle especially adapted for holding pepper or salt, and for allowing the same to be readily shaken out.

My invention further relates to means for varying the outlet of the receptacle, in such manner as to regulate at will the quantity of the powdered substance discharged when the receptacle is shaken.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a central vertical section through a saltcellar embodying my invention, this view showing the body portions of the saltcellar, the metallic cap fitted upon the neck thereof and provided with slots, and the adjustable gage plate likewise provided with slots adapted to register more or less imperfectly with the slots of the cap; Fig. 2 is a plan view showing the cap provided with slots, and also, underneath this cap, the gage plate likewise provided with slots; and Fig. 3 is a plan view of the gage plate removed from the cap.

The body of a saltcellar is shown at 4 and is provided with a threaded neck 5. A metallic cap 6 is provided with a threaded portion 7 fitting upon this neck. The cap 6 is provided with apertures 8 of substantially arcuate form, each tapering off comparatively narrow at 9. A gage plate 10 has the form of a disk and is provided with slots 11 of arcuate form, each tapering off narrow at 12. The slots of the gage plate cross the slots of the cap, as indicated in Fig. 2. The gage plate 10 is provided with a central aperture 13. A button 14 is provided with a stem 15 and with a neck 16. The stem 15 extends through the cap 6 and the neck 16 through the gage plate 10. A head 17 is mounted rigidly upon the neck 16 and clamps the gage plate 10 rigidly against the

stem 15. By turning the button 14 the gage plate 10 is rotated. The parts are so fitted that the gage plate 10 does not turn too easily, and when placed in a given position will remain in that position until the button 14 is turned again.

The operation of my device is as follows: The salt 18 being placed within the body portion 4, the cap 6 is screwed into position, as indicated in Fig. 1. The operator next grasps the button 14 and turns it, thereby turning the gage 10. As will be understood from Fig. 2, the slots of the gage plate always cross the slots of the cap 6, and by turning the gage plate by aid of the button 14, the aggregate area, representing the open spaces formed by the crossing of the slots, may be increased or decreased at will. The amount of salt thus discharged may be regulated at will.

I do not limit myself to the use of the invention upon saltcellars and pepper bottles, for obviously the same principle can be employed for any other powdered substance without departing from the spirit of my invention.

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

1. A receptacle for powdered substances, comprising a body portion, a cap mounted thereupon and provided with slots of substantially arcuate form, a gage plate rotatably mounted on the cap and likewise provided with slots of substantially arcuate form, the slots of said gage plate crossing the slots of said cap, and means for turning said gage plate.

2. A receptacle for powdered substances, comprising a body portion provided with slots of substantially arcuate form, and a gage plate rotatably mounted upon said body portion and likewise provided with slots of substantially arcuate form, the slots of said gage plate crossing the slots of said body portion, all of the slots in said body portion and said gage plate being narrower at their inner ends.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses.

YOUNG KIE BUELL.

Witnesses:

LEE CHEU,
WONG HEE.