(No Model.)

W. M. MYERS.

SALT SHAKER.

No. 601,159. Patented Mar. 22, 1898.

Fig. 1.

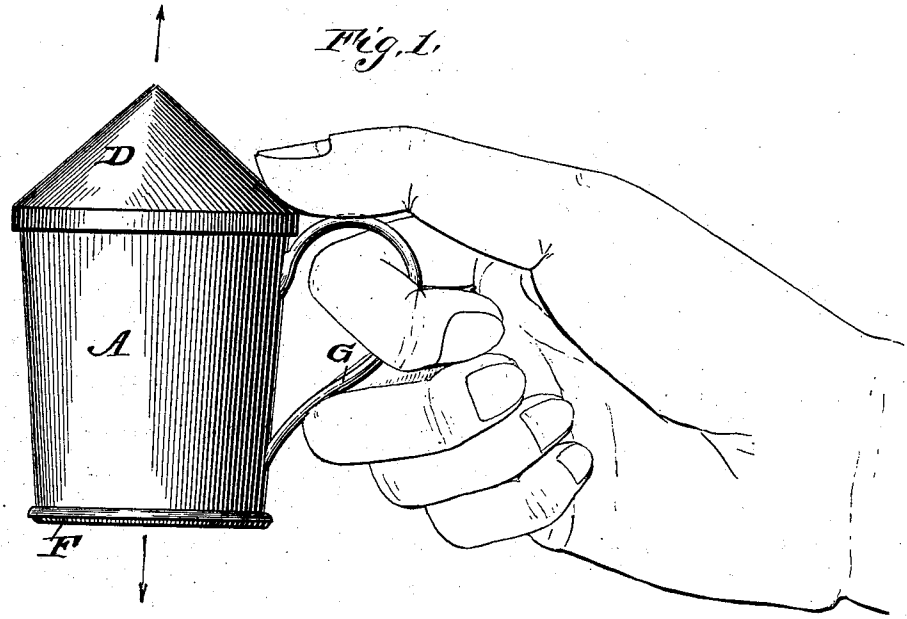
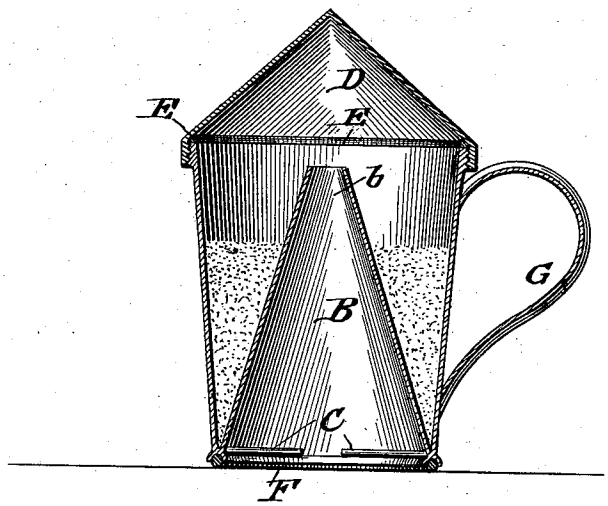


Fig. 2.



WITNESSES:

M. D. Bloudel.

P. B. Turpin.

INVENTOR

William M. Myers.

BY Munn & Co.

ATTORNEYS.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM M. MYERS, OF HANNIBAL, MISSOURI.

SALT-SHAKER.

SPECIFICATION forming part of Letters Patent No. 601,159, dated March 22, 1898.

Application filed May 29, 1897. Serial No. 638,740. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM M. MYERS, of Hannibal, in the county of Marion and State of Missouri, have invented a new and useful Improvement in Salt-Shakers, of which the following is a specification.

My invention is an improved shaker for salt, pepper, or other condiments, or for garden-seeds, or for other powders or finely-divided material which it may be desired to shake out of the box or other receptacle; and the invention consists in certain novel constructions and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the drawings, Figure 1 is a side view of my shaker as in use, and Fig. 2 is a longitudinal section thereof.

The box or body A may be of any desired shape, but is preferably, as shown, made slightly tapering inward toward its bottom. The discharge-funnel B extends within the body and flares outwardly to its lower end and converges toward its inner upper end, where it receives the material from the box. By flaring the funnel outward toward its discharge end I cause the same to effectually scatter the material discharged, the outward flare from the contracted inner receiving end *b* to the broad outlet end securing such scattering result, as will be readily seen. I prefer to provide in the discharge-funnel rods or projections C, which aid in distributing the salt or other material discharged and may be arranged at any point within the funnel.

In connection with the funnel B, I provide a concentrator D, which is arranged above the inlet *b* and concentrates the material at such point in the operation of the shaker as presently described. This concentrator D is preferably the conical lid of the box, which may be connected therewith in any suitable manner, preferably by threading it in place and supplying a rubber or other gasket E to render the joint air-tight.

At the bottom of the shaker I provide a groove or seat for the rubber or other gasket F, which rests upon the table and keeps the contents of the box practically air-tight.

For convenience in operating the box may have a handle G, as shown. In operation it is not necessary to invert the box to discharge the material, but only to give it a quick upward and downward movement to cause the material to discharge. This is effected by the material becoming concentrated in the funnel-shaped top and being directed thereby out of the contracted end or apex of the discharge-tube. By varying the angle of the shaker during operation from a vertical to or nearly to a horizontal position the amount of material discharged at each operation may be varied, the greatest quantity being discharged when the shaker is operated vertically and the quantity decreasing as the horizontal is approached.

The shaker may be made of metal, glass, or other suitable material.

In practice the rubbers and the arms across the discharge-funnel may be omitted in some instances without departing from some of the principles of my invention.

The improved holder will keep the salt from drying out or becoming caked.

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

1. A shaker comprising the body and the discharge-tube extending therein and made conical with its smaller end innermost, such tube being closed at its sides and open at its inner end whereby to receive at such end the material to be discharged and a concentrator by which to direct the material to such end of the discharge-tube substantially as described.

2. The herein-described shaker comprising the body having a bottom upon which it may stand and an outlet-opening at such bottom, a discharge-tube made conical, fitted in the body with its small end innermost and having its large end coinciding with and fitting in the outlet-opening of the body and a concentrator by which to direct the material in the body to the inner end of the discharge-tube substantially as described.

3. A shaker having a box or body, a discharge-tube having closed sides and secured at one end within one end of the box and extended into the box and tapering inward toward its inner end and the concentrator by

which to direct the material in the box to the inner end of the discharge-tube substantially as described.

4. The herein-described shaker consisting of the box or body having a conical top forming a concentrator, the discharge-tube fitting in said box and opening out of its bottom, said tube being closed at its sides and having its inner end arranged concentric with and beneath the concentrating-top of the box or body substantially as described.

WILLIAM M. MYERS.

Witnesses:
BENJ. H. ADAMS,
WILLIAM M. PINSON.