

(No Model.)

E. W. DINSMORE.
DISTRIBUTING BOTTLE.

No. 545,012.

Patented Aug. 20, 1895.

Fig. 1.

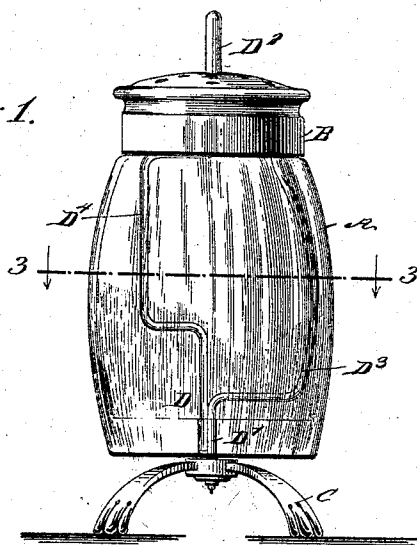


Fig. 2.

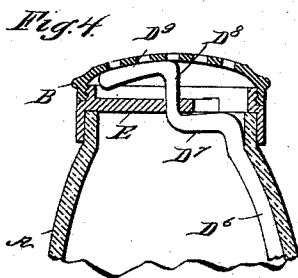
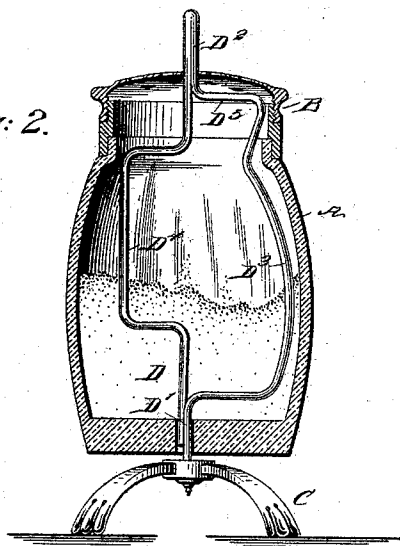
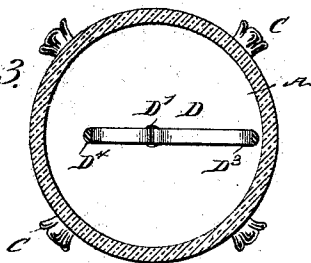


Fig. 3.



WITNESSES:

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EDWARD W. DINSMORE, OF LYNN, MASSACHUSETTS, ASSIGNOR OF ONE-HALF
TO JOHN H. BRACK, OF SAME PLACE.

DISTRIBUTING-BOTTLE.

SPECIFICATION forming part of Letters Patent No. 545,012, dated August 20, 1895.

Application filed October 20, 1894. Serial No. 526,431. (No model.)

To all whom it may concern:

Be it known that I, EDWARD WELLINGTON DINSMORE, of Lynn, in the county of Essex and State of Massachusetts, have invented new and useful Improvements in Distributing-Bottles, of which the following is a full, clear, and exact description.

The invention relates to storing-vessels and sifters—such as table sprinkler-bottles containing salt or other substances, flour-sifters, and like articles.

The object of the invention is to provide certain new and useful improvements in sprinkler-bottles, sifters and other articles, whereby the contents of the bottle or other vessel are stirred up, loosening the particles to permit of readily sprinkling the contents of the bottle through the perforated cap or bottom thereof.

The invention consists in certain parts and details and combinations of the same, as will be hereinafter fully described, and then pointed out in the claim.

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

Figure 1 is a side elevation of the improvement as applied to a salt-cellar. Fig. 2 is a sectional side elevation of the same. Fig. 3 is a sectional plan view of the same on the line 3 3 of Fig. 1, and Fig. 4 is a sectional side elevation of a modified form of stirrer.

The salt-cellar A, illustrated in the drawings, is provided with the usual perforated cap B and a base or stand C, carrying the lower end D' of a stirrer D, extending within the bottle A and having its upper end D² journaled in the center of the perforated cap B. The lower end D' of the stirrer passes through a central aperture in the bottom of the salt-cellar A to the inside thereof, and this lower end D' is in axial alignment with the upper end D², and both ends D' D² form the trunnions for the revoluble stirrer D.

The upper extremity D² of the stirrer projects above the top of the bottle through the cap B and forms a guide to permit of ready application of the cap, as it would be very

difficult to apply the same were the end D² of the stirrer arranged lower down or covered by the cap B.

The stirrer D within the salt-cellar A is formed with a series of agitating-arms D³ and D⁴, of which the arm D³ is preferably curved to conform to the inner surface of the salt-cellar A, and it extends close to the inside thereof, so that when the stirrer D is rotated the said arm D³ sweeps in the salt-cellar close to the wall thereof. The other arm D⁴ is bent to sweep nearer the middle of the salt-cellar A, and the upper end of the arm D³ is connected by an arm D⁵ with the end D², the said arm D⁵ being arranged close to the under side of the perforated top of the cap B, so that when the stirrer is rotated the said arm D⁵ sweeps directly under the perforations in the cap to keep the same free for the exit of the powdered contents of the salt-cellar.

It will be seen that by the arrangement described the operator, taking hold of the salt-cellar, can readily turn the base or stand C, so as to rotate the stirrer D within the salt-cellar A, or the said base may be held stationary and the salt-cellar rotated on the stirrer to accomplish the same object—that is, agitating the contents of the salt-cellar to loosen the particles, so as to permit the same to readily pass through the perforations in the cap to the desired place.

As illustrated in the modified form shown in Fig. 4, the arm D⁶ of the stirrer, arranged close to the wall, is connected by a horizontal arm D⁷ with a trunnion D⁸, extending vertically and journaled in a spider or cross E, forming part of the neck-band, the upper end of the said trunnion D⁸ being provided with a curved arm D⁹, adapted to sweep under the perforated top of the cap to keep the perforations clear. By this arrangement the stirrer does not project through the cap, but is held in position by the said neck-band.

It is evident that the stirrer may be constructed with any desired number of arms bent or otherwise arranged to agitate the contents of the bottle when the stirrer is rotated, and hence I do not limit myself to the particular construction of stirrer shown.

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

5 A condiment holder, substantially as described, consisting of the bottle having bearings in its upper and lower ends, the base on which said bottle is mounted, such base projecting below the lower edge of the bottle and forming a stand therefor, and the stirrer

fixed to the base, projecting and operating within the bottle and having trunnion like portions journaled in the end bearings of the bottle whereby to steady the same upon its base, substantially as set forth.

EDWARD W. DINSMORE.

Witnesses:

WALTER A. BROWN,
JOHN H. BRACK.