

I. S. SLADE.
 STOPPER FOR CONDIMENT HOLDERS,
 APPLICATION FILED JUNE 2, 1913.

1,102,302.

Patented July 7, 1914.

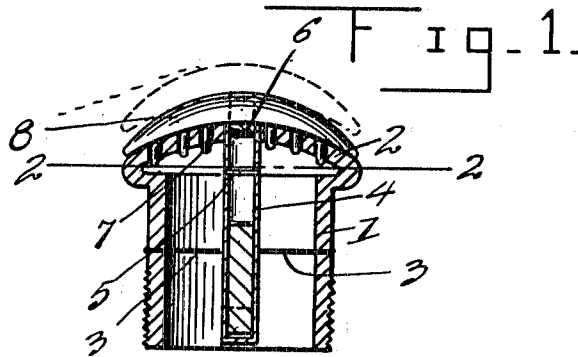


Fig. 2.

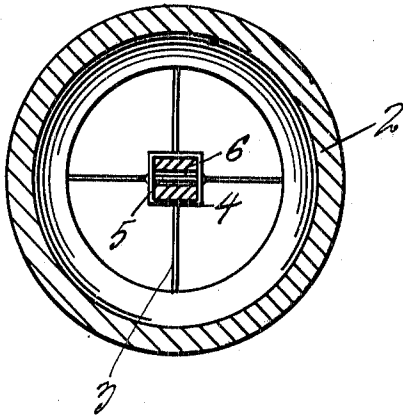


Fig. 3.

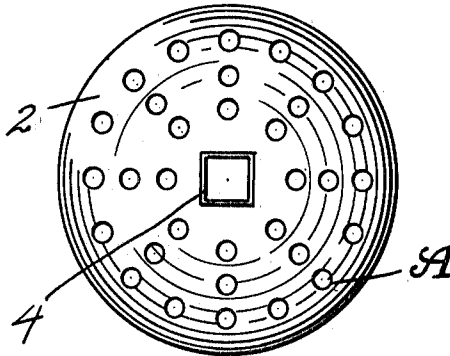
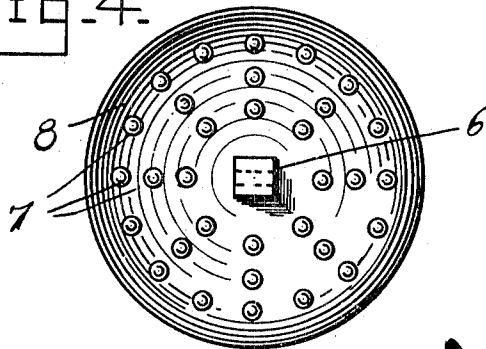


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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STOPPER FOR CONDIMENT-HOLDERS.

1,102,302.

Specification of Letters Patent.

Patented July 7, 1914.

Application filed June 2, 1913. Serial No. 771,275.

To all whom it may concern:

Be it known that I, ISAAC S. SLADE, a citizen of the United States, residing at Stone Canon, in the county of Monterey and State of California, have invented certain new and useful Improvements in Stoppers for Condiment-Holders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in condiment holders, and as its principal object aims to provide a novel form of dispensing top in which means are provided for cleaning out the perforations each time the holder is returned to upright position after being inverted in the dispensing operation.

A further object is to construct the condiment holder of this invention with such regard to proportion, number and arrangement of parts that it may be cheaply manufactured, and will be durable and efficient in its action.

The above and additional objects are accomplished by such means as are illustrated in the accompanying drawings, described in the following specification and then more particularly pointed out in the claims which are appended hereto and form a part of this application.

With reference to the drawings, wherein I have illustrated the preferred form of my invention as it is reduced to practice, and throughout the several views of which similar reference numerals designate corresponding parts: Figure 1 is a vertical section. Fig. 2 is a section on the line 2—2 of Fig. 1. Fig. 3 is a top plan view of the shaker top with the stopper removed. Fig. 4 is a bottom plan view of the stopper.

Proceeding now to the description of the drawings, the numeral 1 designates a cylindrical shell which is externally screw threaded to permit it to be applied to any condiment holder of standard make. It is, of course, to be understood in this connection that this cylindrical shell 1 may be internally screw threaded in the event that the condiment holder to which it is to be applied is formed with an external screw neck, as is often the case in the manufacturing of such articles. The upper end of the shell 1 is closed by a perforated cap which is con-

cavo-convex, and is arranged with the concave surface lowermost.

Arranged interiorly of the shell 1 and held in the desired position therein by wire stays 3, is a square tube 4. The tube 4 is adapted to receive a square stem 6 which is slidable in the tube 4 and provided with a longitudinal slot therein adapted to receive a pin disposed transversely and fit within the tube 4 to limit the outward movement of the stem 6. The upper terminal of the member 6 is normally arranged flush with the upper face of the member 2, to permit the cleaning pins 7, carried on the concave face of a concavo-convex cap 8 to project through the perforations A of the member 2 when the condiment holder is in upright position. The member 8 may be riveted, soldered, or otherwise secured to the stem 6 in any desired manner. The shell 1, cap 2, and closure cap 8 may be made of any desired material, such as glass, porcelain, or any suitable composition. In reduction to practice, it has been found preferable to construct the tube 4, pin 5, and stem 6 of light sheet metal.

It will be observed that by employing a square tube and stem, the cleaning pins 7 are held in registering relation to the perforations in the member 2, at all times.

The operation of the device is as follows: Presuming the shell 1 to be screw threaded into the neck of any condiment holder, it is only necessary in dispensing the condiment to invert the holder and shake it in the usual manner. When the holder is inverted, the member 6, by reason of the weight of the member 8, will slide through the tube 4, spacing the concave face of the member 8 from the member 2, and consequently withdrawing the pin 7 from the perforations, thus permitting the condiment to issue through the perforations. When the condiment holder is again restored to upright position, the weight of the member 8 will cause the stem 6 to slide back in the tube 4, projecting the pins 7 through the perforations in the member 2 and sealing the shell. The outward movement of the member 8 is limited by the engagement of the lower terminal of the slot in the stem 6 with the pin 5 carried by the tube 4 adjacent the outer end thereof.

In reduction to practice, I have found that the form of my invention, illustrated in

the drawings and referred to in the above description, as the preferred embodiment, is the most efficient and practical; yet, realizing that the conditions concurrent with the adoption of my device will necessarily vary, I desire to emphasize the fact that various minor changes in details of construction, proportion and arrangement of parts may be resorted to, when required, without sacrificing any of the advantages of my invention, as defined in the appended claims.

What is claimed is:

1. The combination with a condiment holder of a stopper including a cylindrical shell having a perforate top and adapted to be detachably secured to the condiment holder, concavo-convex closure cap for said perforate top, a plurality of cleaning pins carried by the cap and adapted to project through the perforations in said top, a tube having its lower end closed fixed centrally of the top and extending into the condiment holder, the upper end of said tube being open, a stem carried by the closure cap slidably mounted within the tube and provided with a longitudinal slot, and a pin mounted transversely of the tube and extending through the slot in the stem to limit the outward movement of said stem.
2. The combination with a condiment

holder of a stopper comprising a cylindrical shell having a perforate top and adapted to be detachably secured to the condiment holder, a rectangular tube having its lower end closed mounted within the cylindrical shell centrally thereof, the upper end of said tube being open and disposed in flush relation to the outer surface of the perforate top, said perforate top being concavo-convex, a plurality of wire stays secured to and supporting said tube within the shell mounted within the shell, a concavo-convex closure cap adapted to seat against the outer face of the perforate top, a plurality of spaced cleaning pins carried by said closure cap and adapted to extend through the perforations of the top, a rectangular stem carried by the closure cap slidably mounted within the tube having a longitudinal slot therein intermediate its ends, a pin secured transversely within the tube and extending through the slot in said stem and adapted to limit the outward movement of said closure cap.

In testimony whereof I affix my signature in presence of two witnesses.

ISAAS S. SLADE.

Witnesses:

R. L. PERRY,
RUTH PERRY.