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TOOTHPICK HOLDER

Filed March 22, 1926

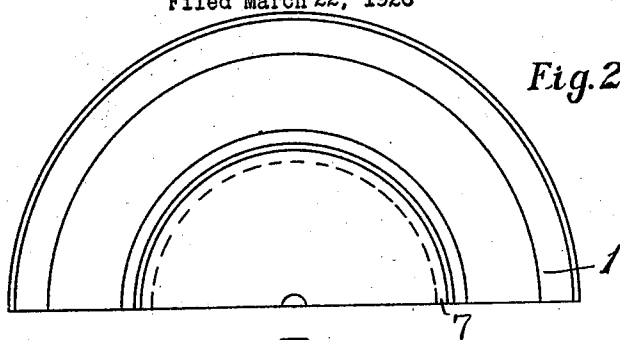


Fig. 2.

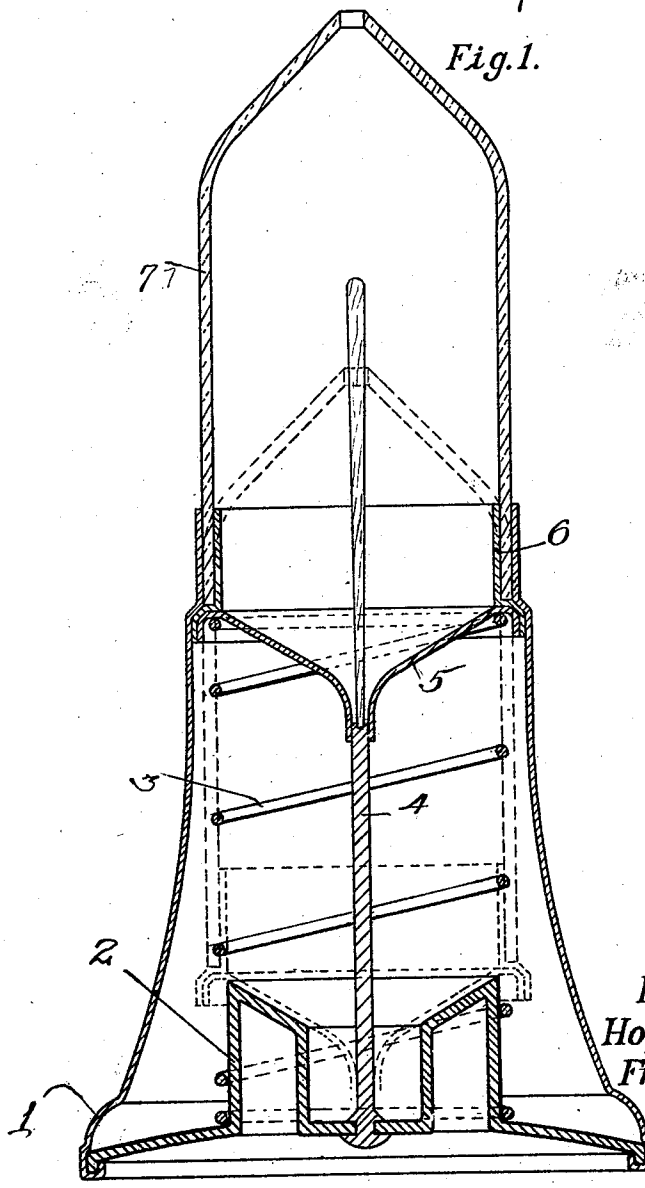


Fig. 1.

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TOOTHPICK HOLDER.

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The invention relates to improvements in toothpick holders with a closed container for toothpicks from which the toothpick is obtained by moving the closed holder vertically; and the objects of the improvements are:

First, to produce a sanitary toothpick holder; second, to provide a means by which the function of the machine is immediately apparent; third, to provide a means of determining instantly whether or not the container needs replenishing; fourth, to provide a holder which occupies but one hand in obtaining a toothpick; and fifth, to manufacture a cheap, efficient, and mechanically perfect toothpick holder by virtue of simplicity in all its parts.

The accompanying drawing illustrates the form of the invention, Figure 1 being a vertical cross section of the entire machine; Figure 2 being a plan of the cross section in Figure 1. The dotted lines in Figure 1 show the secondary position of the toothpick container with toothpick projecting from it.

As illustrated in Figure 1 there are seven parts to the toothpick holder. The functions of each part are outlined as follows:

Part 1—the base which

a. Supports the whole machine.
b. Retains the bottom plate 2 by turning under and clinching the bottom edge, as illustrated.

c. With a shoulder formed near its upper extremity, acts as a stop to bottom parts of closed container 5 and 6 against the upward pressure of coil spring 3.

d. Acts as a guiding means to transparent top of closed container 7 when closed container is pushed down to its secondary position.

Part 2—the bottom plate which

a. Holds coil spring 3 in place.
b. Acts as a base to discharge rod 4 which is affixed thereto.

c. Acts as a stop and buffer to bottom piece 5 of closed container when closed container is forced down to its secondary position.

Part 3—the coil spring which is the means of automatically forcing the closed container back to its primary position after having discharged a toothpick.

Part 4—the discharge rod which is recessed

at its upper end to engage the toothpick when closed container is forced down to its secondary position, and which is so constructed at its other end that it can be riveted to bottom plate 2, as illustrated.

Part 5—bottom piece of closed container formed (the term "closed container" relates to parts 5, 6 and 7 acting in conjunction with each other) in the shape of an inverted cone with an aperture at its lowest point to admit discharge rod 4 and with the point of the cone slightly elongated and with rounded corners, as illustrated. Also having the outer edge so formed as to hold the upper end of coil spring 3 in place.

Part 6—lower side wall of closed container, the function of which is to hold transparent top of closed container 7 in place, and with lower edge so formed that it will be in contact with shoulder on side wall of base 1 when closed container is in its primary position and so shaped that it will also fit snugly over the outer edge of bottom piece 5.

Part 7—transparent top of closed container which consists of glass in the shape of a cylinder, the upper end of which is in the shape of a cone with an aperture at its uppermost point to permit the passage of a toothpick.

We are aware that prior to our invention toothpick holders have been made embodying the ideas of a closed container with slanting top and bottom acting in conjunction with a recessed discharge pin. We therefore do not claim such an invention broadly.

We claim:

In a dispenser in combination, a stationary base portion including a generally cylindrical casing wall restricted at its upper end, a bottom wall interconnected with said casing wall, a magazine portion slidable in said casing wall, and including a dome with a tapered upper end and a delivery opening therein, an annular member having its upper portion telescoping within said dome and a flange of enlarged diameter at its lower end extending beyond the outside edge of said dome and cooperating with said restricted upper end to limit the upward movement of said magazine, and a hopper bottom for said magazine telescoping with said flange and

having an opening centrally thereof, said bottom, and a coil spring fitting over said bottom wall having an upwardly extending cylindrical portion and extending between cylindrical portion of substantially the diameter of said annular member, said cylindrical portion having a central depression, an upright rod fixed in said depression and extending through the opening in said hopper bottom, and a coil spring fitting over said cylindrical portion and extending between same and said hopper bottom to normally maintain the magazine in elevated position. 10

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