

No. 894,702.

PATENTED JULY 28, 1908.

J. SAHLIN.  
TOOTHPICK STAND.  
APPLICATION FILED JUNE 4, 1907.

Fig. 1.

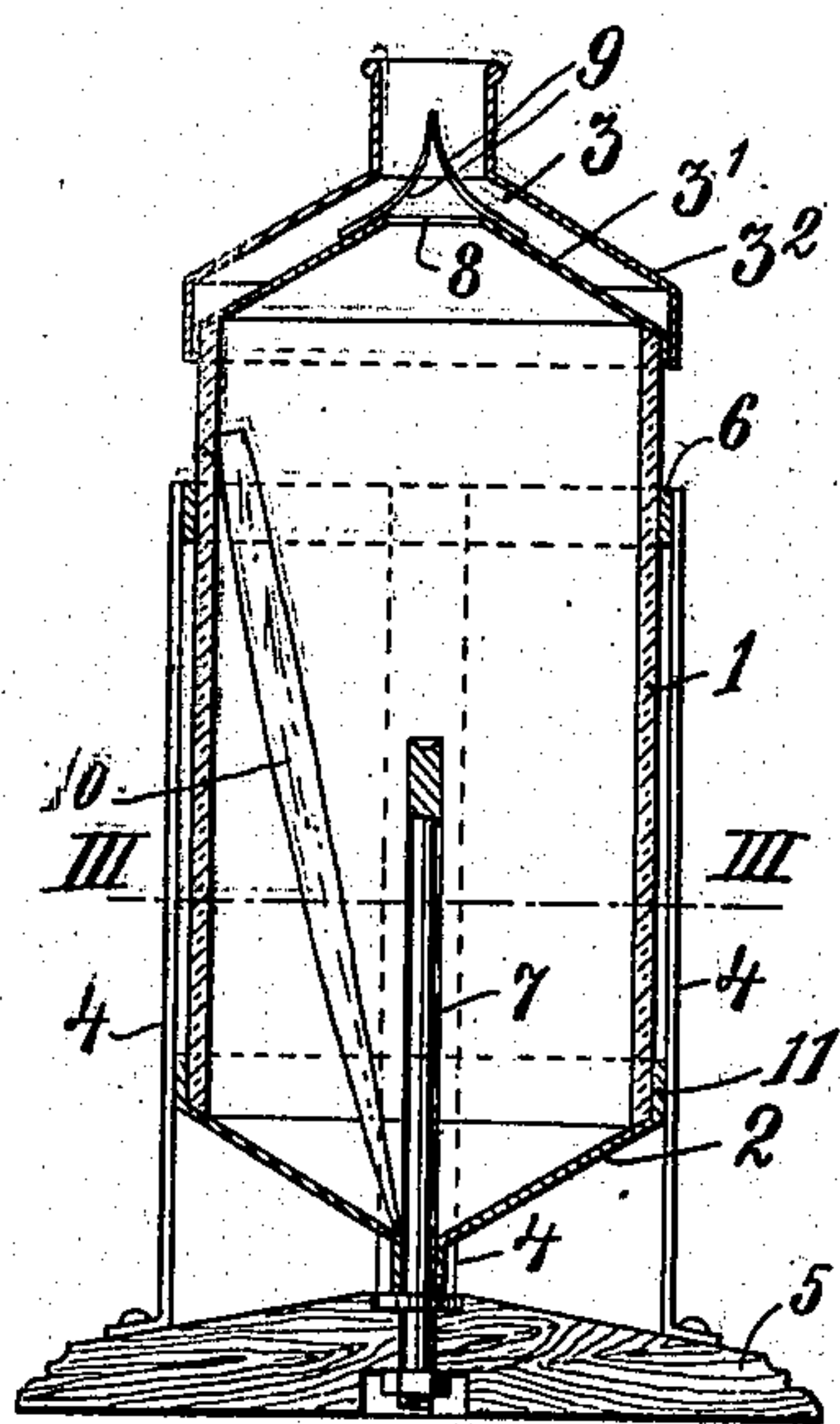


Fig. 2.

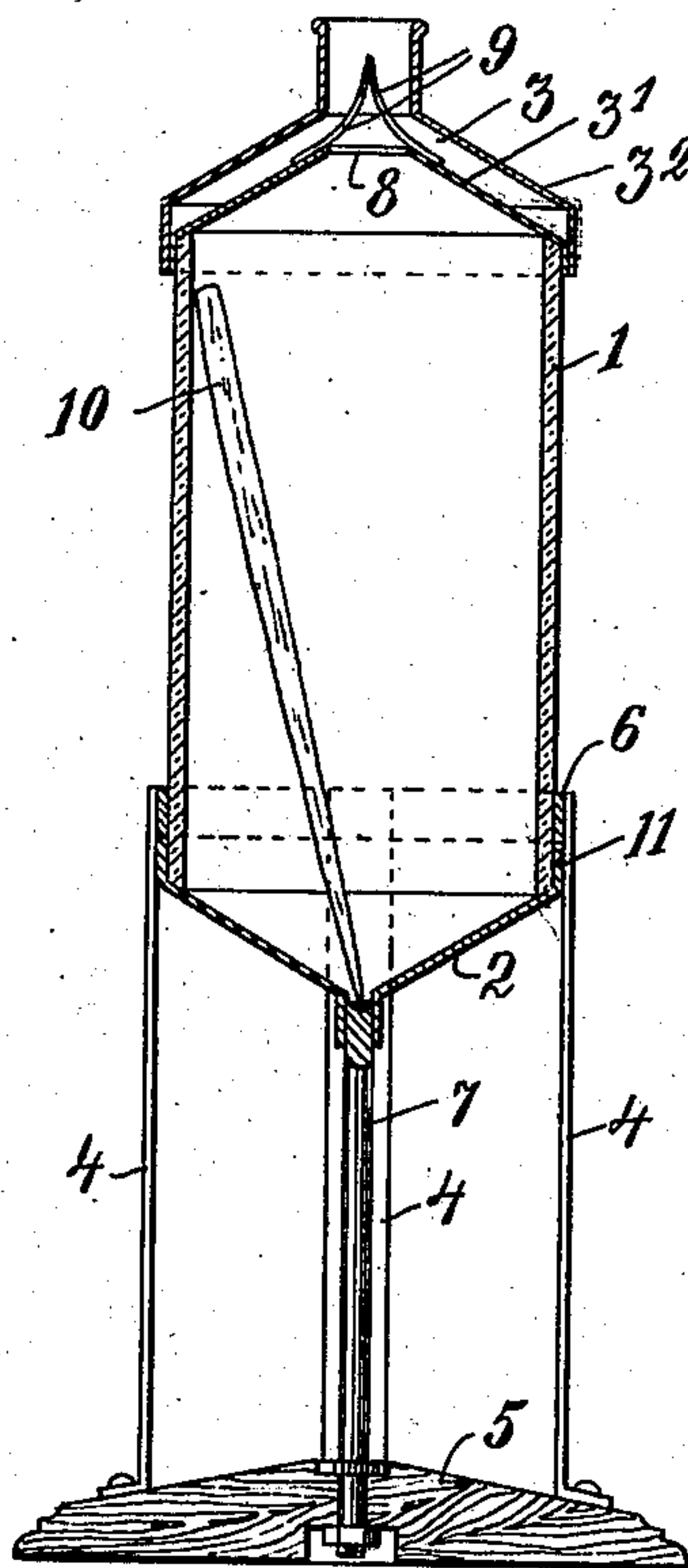
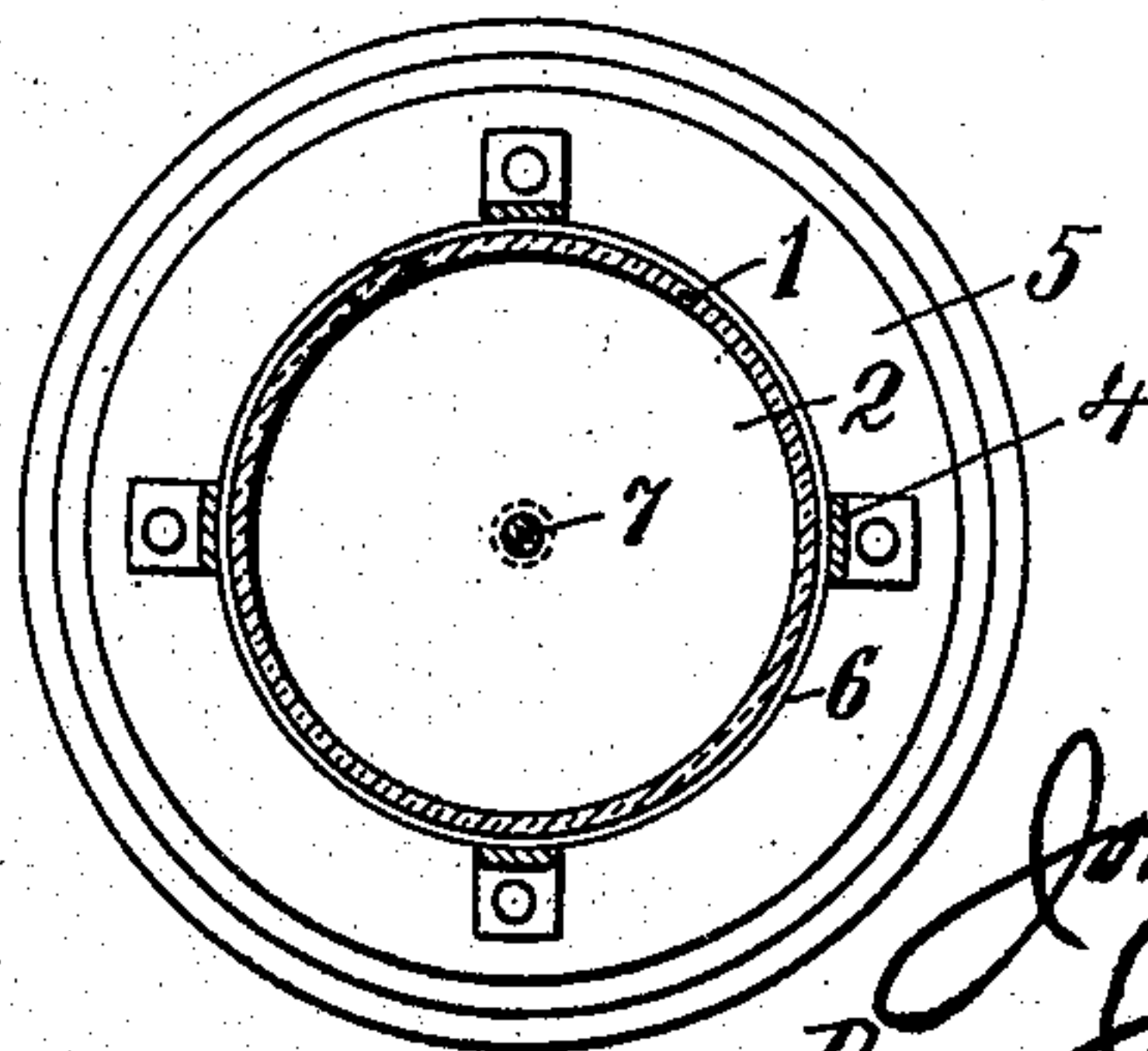


Fig. 3.



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# UNITED STATES PATENT OFFICE.

JONAS SAHLIN, OF STOCKHOLM, SWEDEN.

## TOOTHPICK-STAND.

No. 894,702.

Specification of Letters Patent.

Patented July 28, 1908.

Application filed June 4, 1907. Serial No. 377,270.

*To all whom it may concern:*

Be it known that I, JONAS SAHLIN, a citizen of the Kingdom of Sweden, residing at Stockholm, Sweden, have invented new and useful Improvements in Toothpick-Stands, of which the following is a specification.

This invention relates to an improvement in tooth-pick stands with the object of providing means for preventing the re-insertion into the stand of a tooth-pick having been used.

The invention consists, chiefly, in the combination of a closed holder, having a discharge opening in its cover, a discharge-pin, or the like, having the one end recessed and entering the said holder, and means for closing the said discharge-opening, said means permitting the tooth-picks to pass through the discharge-opening in the one direction only, all as will be more particularly described here-below with reference to the accompanying drawing forming a part of this specification.

In the drawing Figure 1 shows a vertical section of a tooth-pick stand embodying the invention, the holder containing the tooth-picks being in its lower-most position. Fig. 2 is a similar view with the said holder in its uppermost position, and Fig. 3 is a horizontal section on line III—III in Fig. 1.

Referring to the drawing, 1 represents a closed cylindrical holder having a conical bottom 2 and a conical cover 3. The said holder is movable vertically and is guided by upright rods 4, or the like, secured to a suitable base-plate or foot 5, and by a ring 6 attached to the upper ends of the said rods 4. In the bottom 2 of the holder 1 is provided an opening through which enters a discharge pin 7, or the like, secured to the base-plate 5 and having its upper end recessed. The cover 3 is removable and is held in position by any suitable locking means though I have not deemed it necessary to show such means in the drawing. The cover shown is composed of two conical plates 3<sup>1</sup> and 3<sup>2</sup> rigidly secured to each other at their outer edges. The inner or lower plate 3<sup>1</sup> has a central opening 8 which is closed by means of two (or more) smooth, spring-plates 9, bearing against each other with their free ends. As will be easily understood the said spring-

plates will permit the tooth-picks 10 to pass up through the opening 8 while they will prevent the re-insertion of a tooth-pick through the same opening. The object of the outer funnel-shaped cover is to protect the said spring-plates and to make the same unaccessible.

When a tooth-pick is to be removed from the stand the holder is lifted until the flange 11 of the bottom 2 (or any other abutment of the holder) strikes the ring 6 (or any other suitable stopping device). In the uppermost position of the holder (Fig. 2) the upper recessed end of the discharge-pin 7 is in level with or somewhat below the lowermost point of the bottom 2, and as soon as such position is reached one of the tooth-picks 10 contained in the holder drops down into the recess of the pin 7. When the holder is thereupon lowered the tooth-pick engaged by the pin 7 will slide with its upper end against the inside of the cover 3<sup>1</sup> towards the opening 8, and in the continued downward movement of the holder the upper end of the said tooth-pick will be forced out between the spring-plates 9 so that it can be conveniently gripped by the fingers and removed from the holder.

Obviously the above described tooth-pick stand may be modified in details without deviating from the principle of the invention.

Having now described my invention what I claim as new and desire to secure by Letters Patent is:

A tooth-pick stand consisting essentially of a base, guiding means fixed to and rising from the base, a central discharge pin fixed to and rising from the base and having its upper end recessed, a vertically movable closed holder disposed and movable in the said guiding means and having a bottom of inverted cone shape in which is a central opening receiving the discharge pin and also having conical plates 3<sup>1</sup> and 3<sup>2</sup> arranged one above the other at its upper end; the lower conical plate 3<sup>1</sup> having a central discharge opening, and the upper conical plate having an upwardly extending, central tubular portion, and the said central opening in the plate 3<sup>1</sup> and the tubular portion on the plate 3<sup>2</sup> being considerably larger in diameter than the fixed discharge pin, and spring plates

permanently connected to the conical plate  
3<sup>1</sup> at opposite sides of the discharge opening  
therein and extending up into the central tu-  
bular portion of the plate 3<sup>2</sup> and having  
5 smooth opposed sides normally resting to-  
gether.

In testimony that I claim the foregoing as

my invention, I have signed my name in  
presence of two subscribing witnesses.

JONAS SAHLIN.

Witnesses:

EVARD. DELMAR,  
JOHN DELMAR.