

(No Model.)

A. L. BARON.
TOP FOR RECEPTACLES.

No. 547,657.

Patented Oct. 8, 1895.

Fig. I.

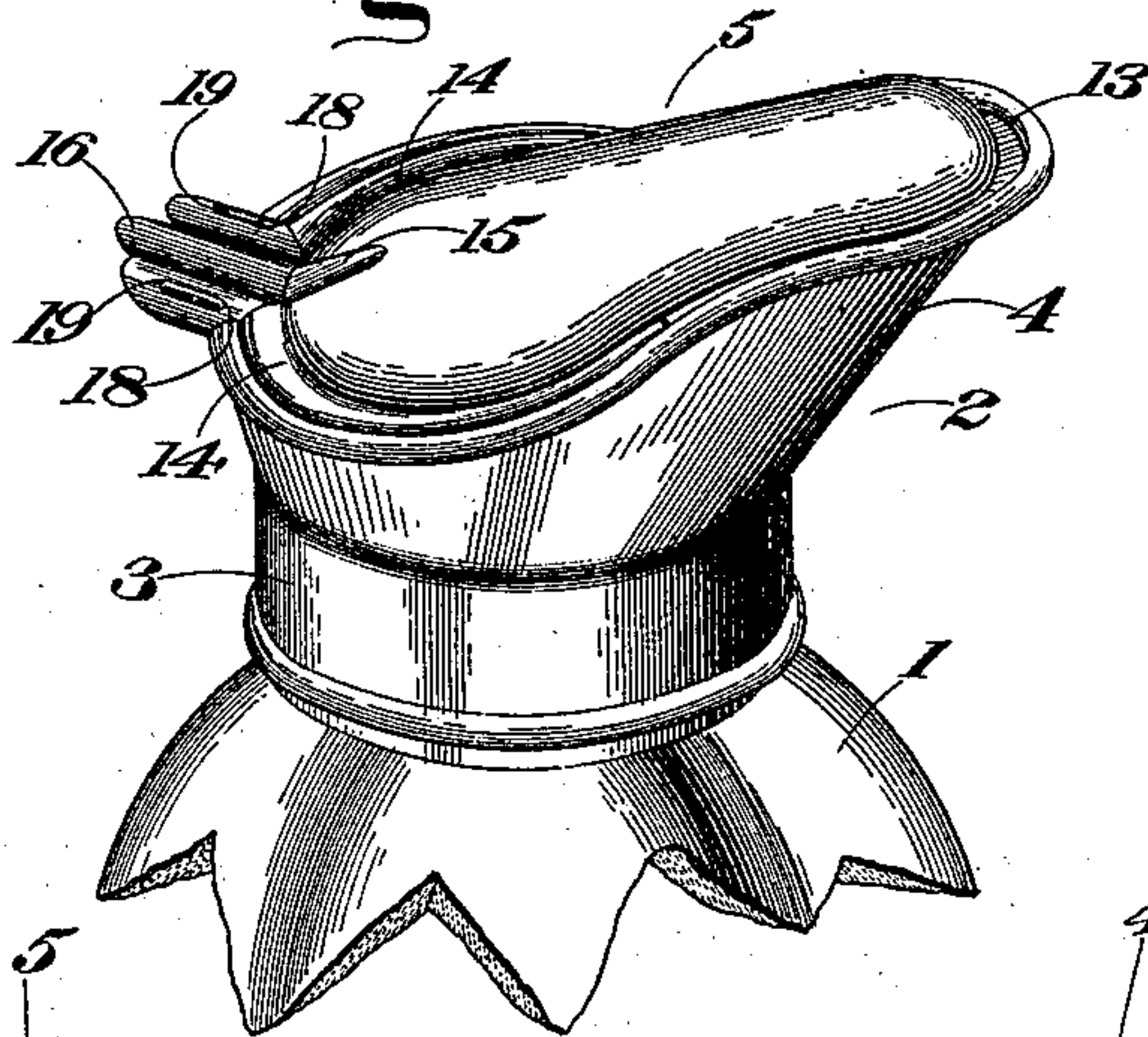


Fig. II.

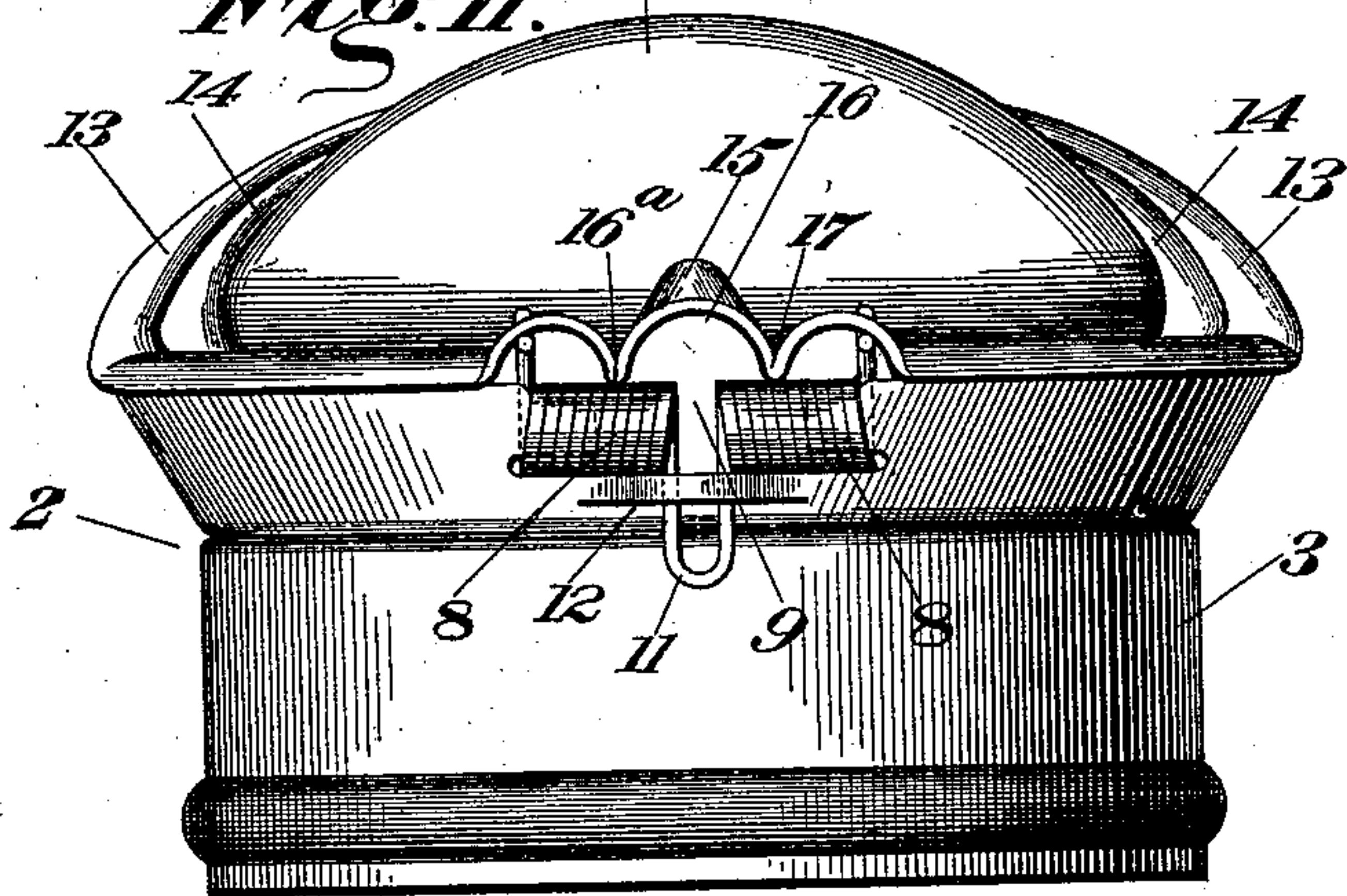


Fig. III.

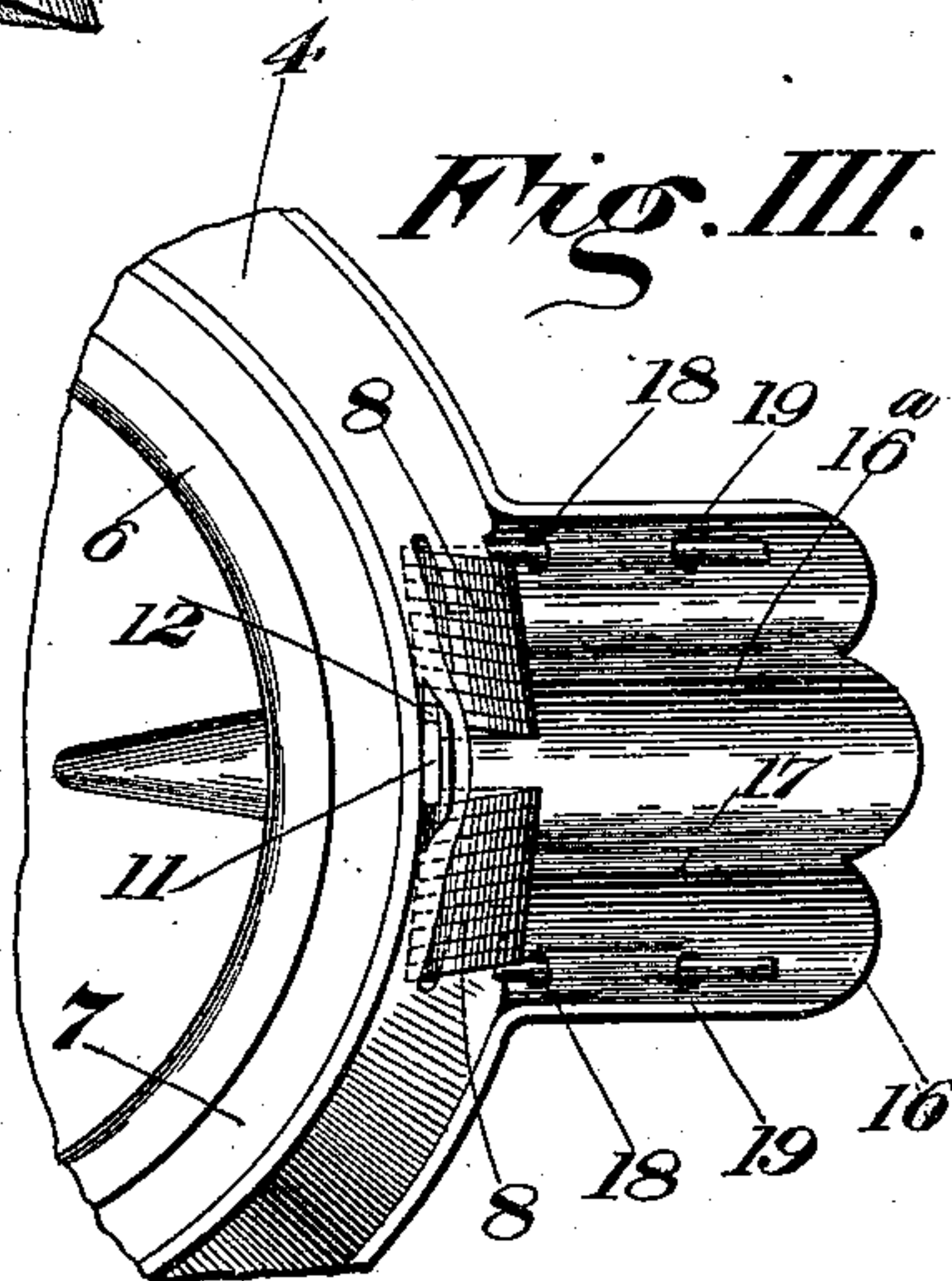


Fig. IV.

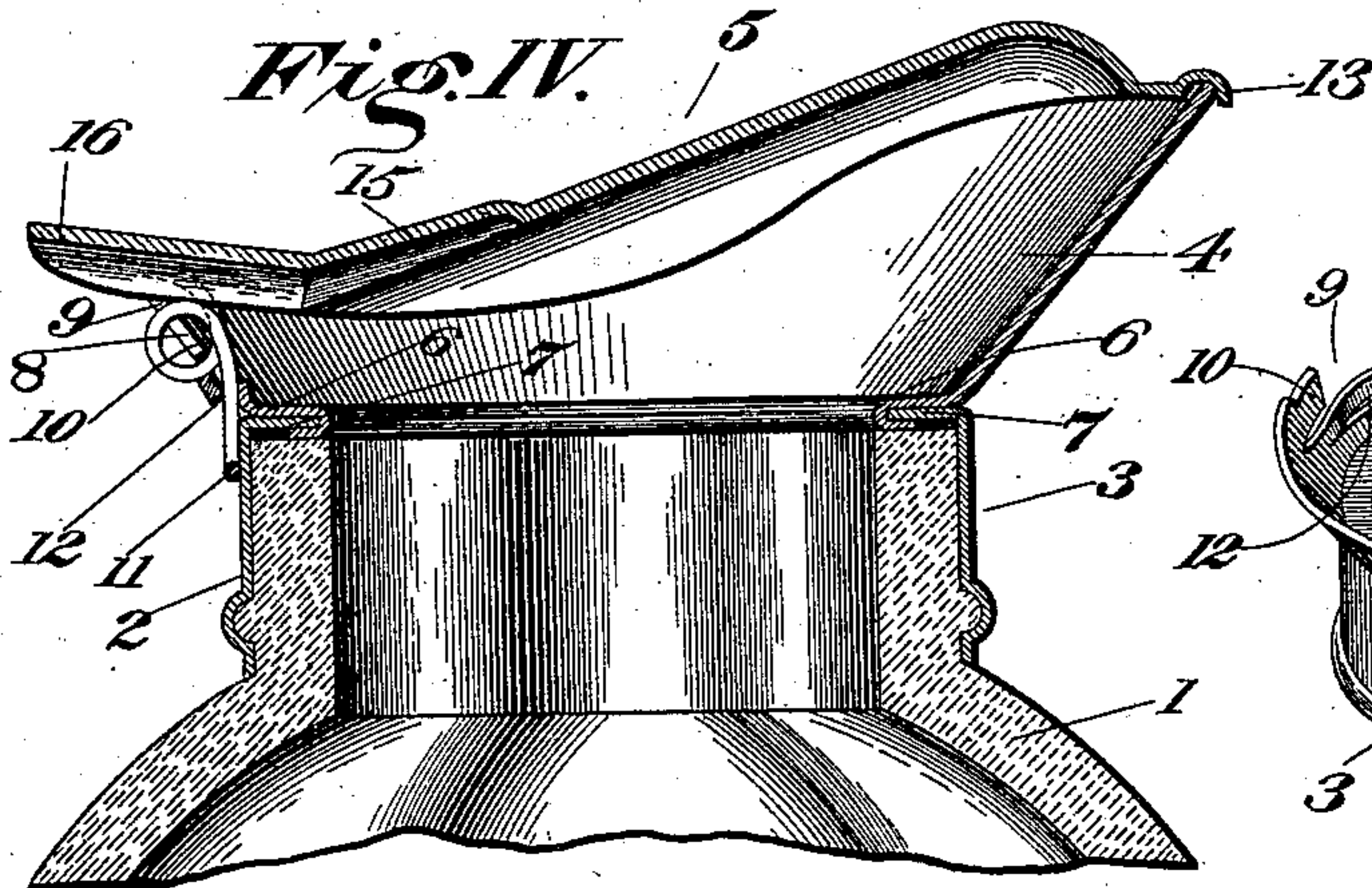
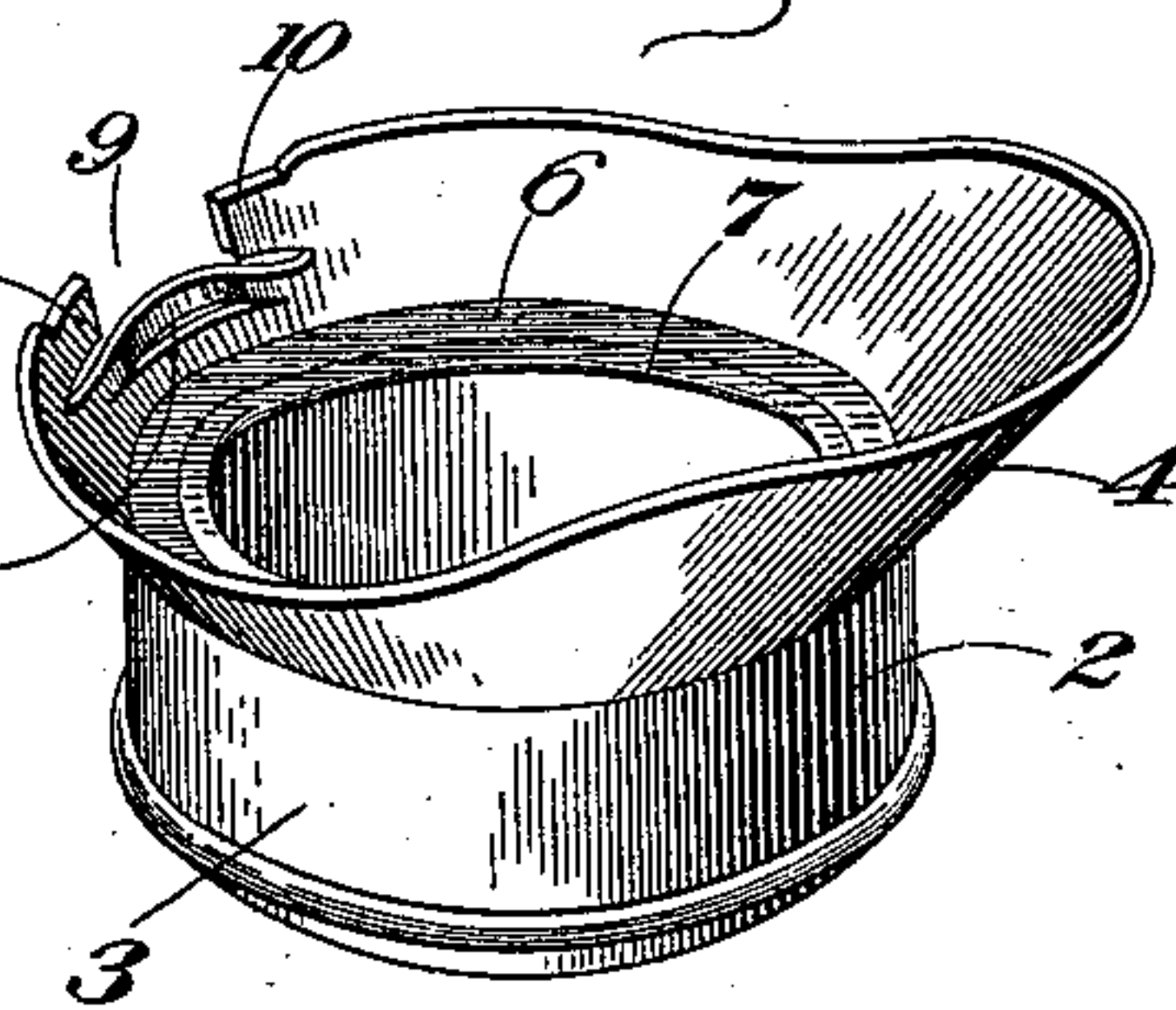


Fig. V.



Witnesses

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UNITED STATES PATENT OFFICE.

ALFRED L. BARON, OF TIFFIN, OHIO.

TOP FOR RECEPTACLES.

SPECIFICATION forming part of Letters Patent No. 547,657, dated October 8, 1895.

Application filed March 14, 1895. Serial No. 541,772. (No model.)

To all whom it may concern:

Be it known that I, ALFRED L. BARON, of Tiffin, in the county of Seneca, State of Ohio, have invented certain new and useful Improvements in Tops for Receptacles, of which the following is a specification, reference being had to the accompanying drawings.

The object of my invention is the production of a simple, durable, and efficient top for receptacles, such as molasses-cans and the like, in which the necessity for the use of solder in its construction is eliminated and in which the lugs, ears, or other bent portions, incidental elements of similar devices now in use, are replaced by a construction less liable to derangement.

In the accompanying drawings, Figure I is a perspective view of my top, showing a portion of the receptacle. Fig. II is a rear elevation. Fig. III is a bottom plan view, and Fig. IV is a central vertical section of the same. Fig. V is a detail view of the spout.

Referring to the figures on the drawings, 1 indicates a receptacle.

2 indicates the top, consisting of a neck-piece 3, spout 4, and lid 5. The neck-piece is secured upon the neck of the receptacle by any suitable means—as, for instance, an annular bead and groove, as is well known in the art—and is surmounted by the spout, which is secured thereupon by means of horizontal internal annular flanges 6 and 7, springing, respectively, from the spout and neck-piece and lapping, as illustrated. The lid is secured upon the spout by a spring-hinge 8, located at its rear edge.

The device as thus far described is ordinary and well known; but I shall now proceed to describe the construction wherein lies the gist of my invention, the same being the novel means I employ for securing the spring in place upon the spout and lid without the use of solder and without employing bearing-lugs and pivot-pins. It is apparent that such parts as are bent at substantially right angles to the metal from which they are struck are necessarily weak and liable to bend or break. The objection to the use of solder is also well known, inasmuch as its application is expensive and is attended with a tarnishing of the adjacent metal, which materially diminishes the saleability of the article, and

it is for the elimination of these objectionable features that the device hereinafter described has been devised.

9 indicates a recess at the upper rear edge of the spout, in which recess the spring 8 is located, lugs 10 projecting from either end of the recess into the opposite coils of the spring. The intermediate loop 11 of the spring projects downwardly through the slit 12 in the spout immediately under the recess 9, its extremity being held slightly beyond the slit by the upper swell or curvature of the neck to bend the same somewhat, in order that the resiliency of the spring may be utilized to hold it in place. The lid is provided with the usual peripheral lip 13 and with strengthening-ribs 14 and 15, pressed from the metal, preferably by means of a die, the ends of the peripheral lip and the ends of the lugs terminating in rearwardly-projecting swells or corrugations, which constitute either side or edge of the thumb-lever 16, an intermediate or central corrugation serving to define two bearing-ribs 16^a and 17, which rest upon the spring, as illustrated.

18 and 19 indicate a pair of apertures, located one behind the other at either side of the thumb-lever and adapted to receive the rearwardly-projecting ends of the spring, which pass upwardly through the forward aperture of each pair and downwardly through the rear aperture, extending therebeyond a sufficient distance to prevent their springing out of engagement when the thumb-piece is depressed. It will be seen that by this construction the necessity for the use of solder in securing the parts is eliminated and the lid is given a secure bearing upon the coils of the spring-hinge without depending lugs or ears, the bending of the spring ends and the consequent loosening or wobbling of the lid being thus prevented.

I do not desire to limit myself to the details of construction herein shown and described, but reserve to myself the right to change, vary, and modify the same within the scope of my invention.

What I claim is—

1. In a receptacle top, the combination with a spout provided with a recess, oppositely projecting lugs and a horizontal slit, of a lid provided with a thumb lever provided with

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apertures and a spring hinge consisting of oppositely wound coils an intermediate loop and projecting ends, said spring being located within the recess and around the lugs, said intermediate loop projecting downwardly through the horizontal slit and spout, and said projecting ends of the spring passing through the apertures of the thumb lever, substantially as specified.

10 2. In a receptacle top, the combination with a spout and spring hinge secured thereto, of a lid provided with a thumb piece secured to the terminals of said spring hinge and provided with intermediate bearing ribs bearing
15 upon the coils of said spring hinge whereby the spring proper receives the strain when the thumb piece is depressed, substantially as specified.

20 3. In a receptacle top, the combination with a neck piece and spout surmounting the same

and secured thereto without the intervention of solder or other seal, said spout being provided with a recess, oppositely projecting lugs and a horizontal slit below the recess, of a lid provided with a thumb piece apertured and having intermediate bearing ribs, and a spring hinge consisting of oppositely wound coils around the oppositely projecting lugs, and an intermediate loop projecting downwardly through the slit in the spout, and projecting terminals passing through the thumb piece to its upper side and back again beneath it, substantially as specified.

In testimony of all which I have hereunto subscribed my name.

ALFRED L. BARON.

Witnesses:

HARRY TAGGART,
PETER HUDDLE.