

No. 859,897.

PATENTED JULY 9, 1907.

A. F. WOLFF.
TOP FOR POWDER RECEPTACLES.
APPLICATION FILED DEC. 26, 1906.

Fig. 1.

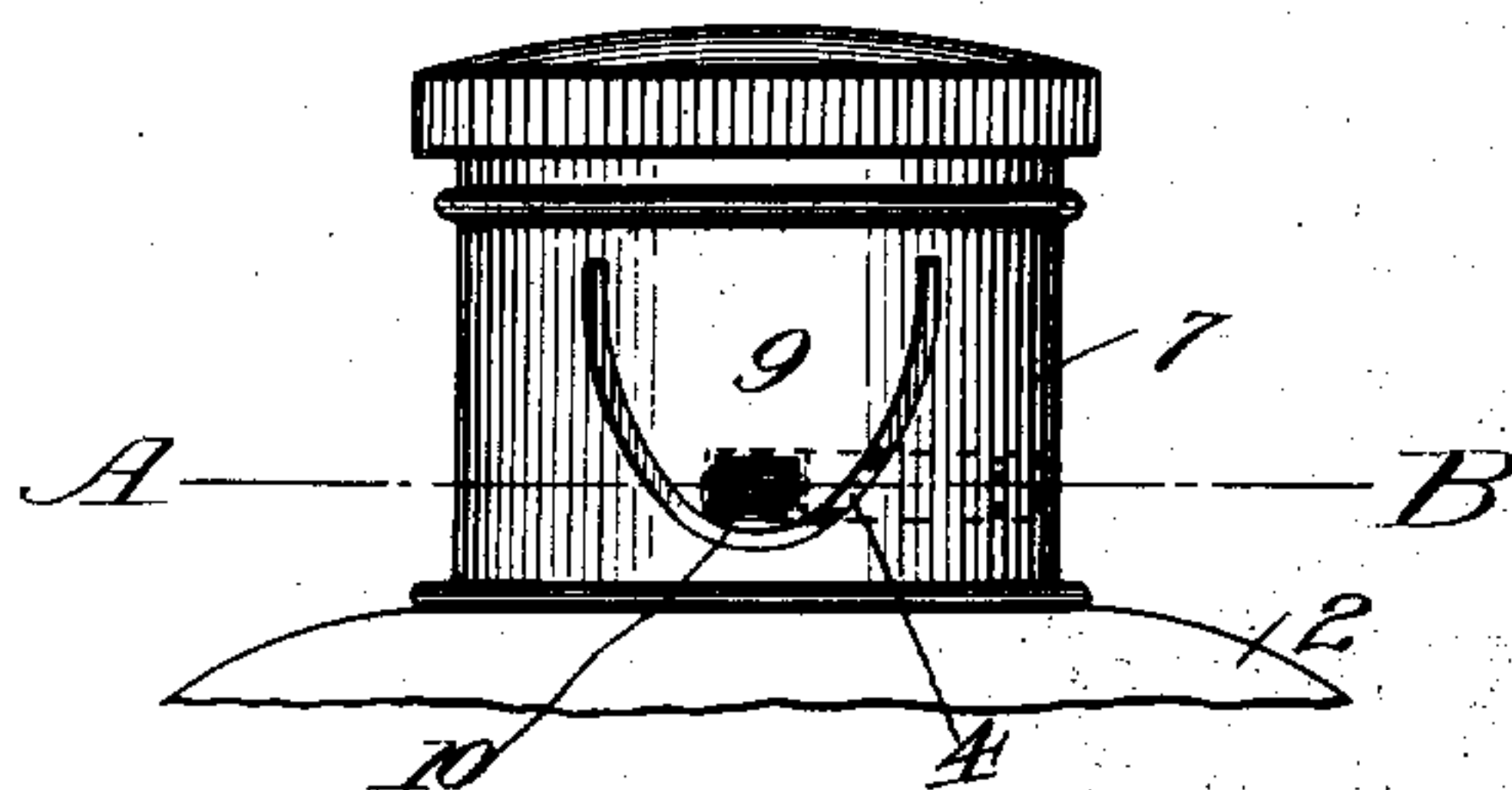


Fig. 2.

Fig. 5.

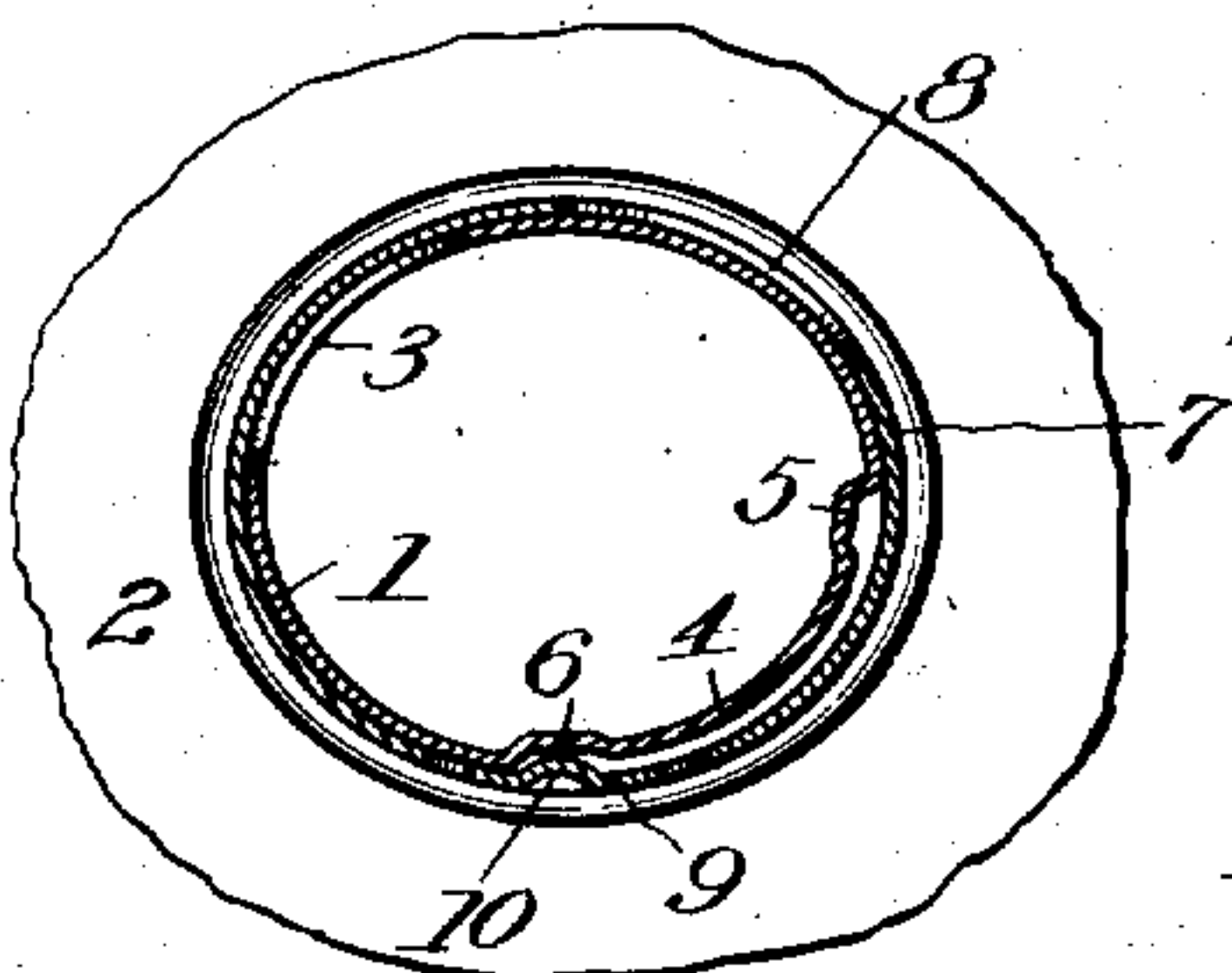
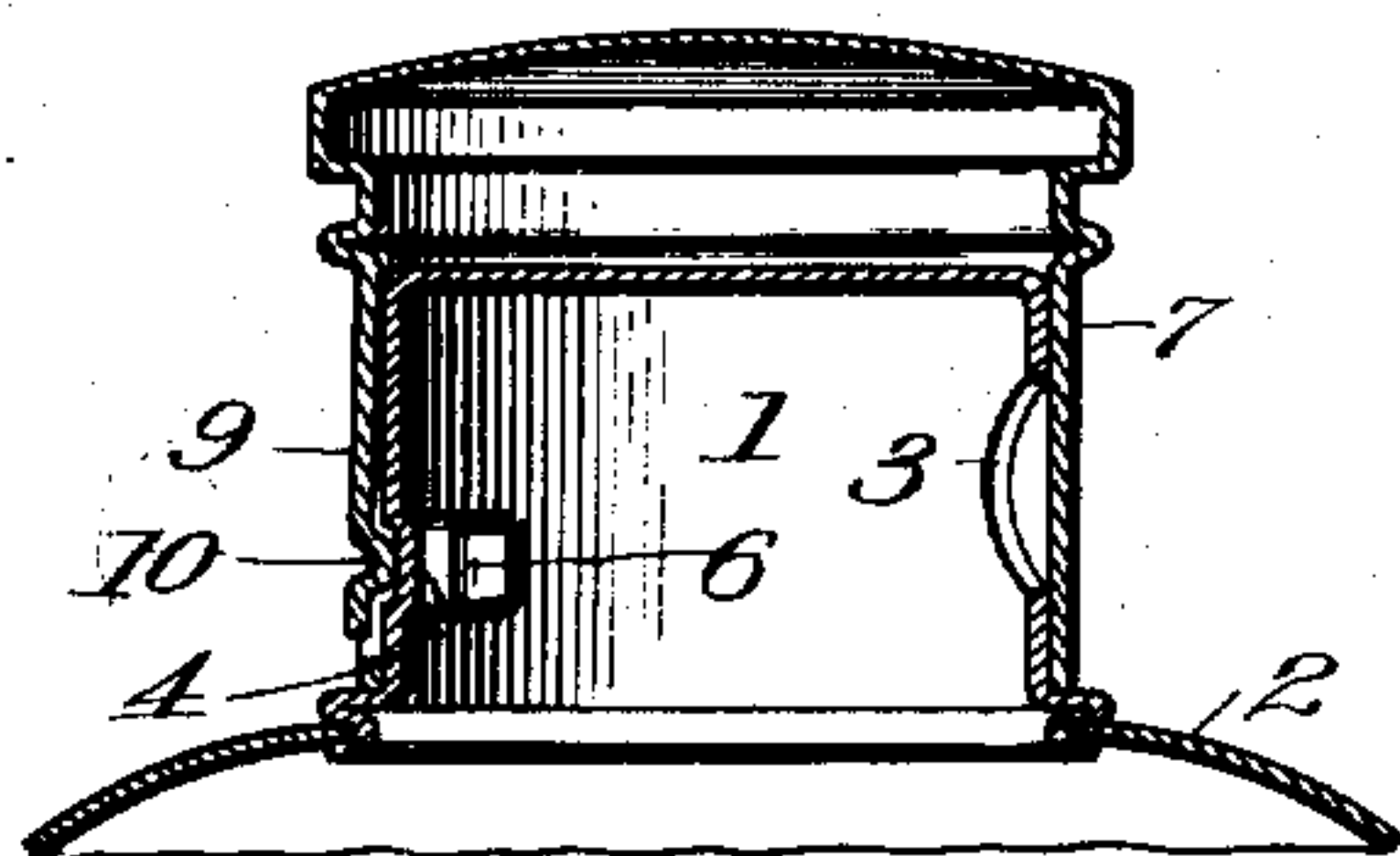


Fig. 3.

Fig. 6.

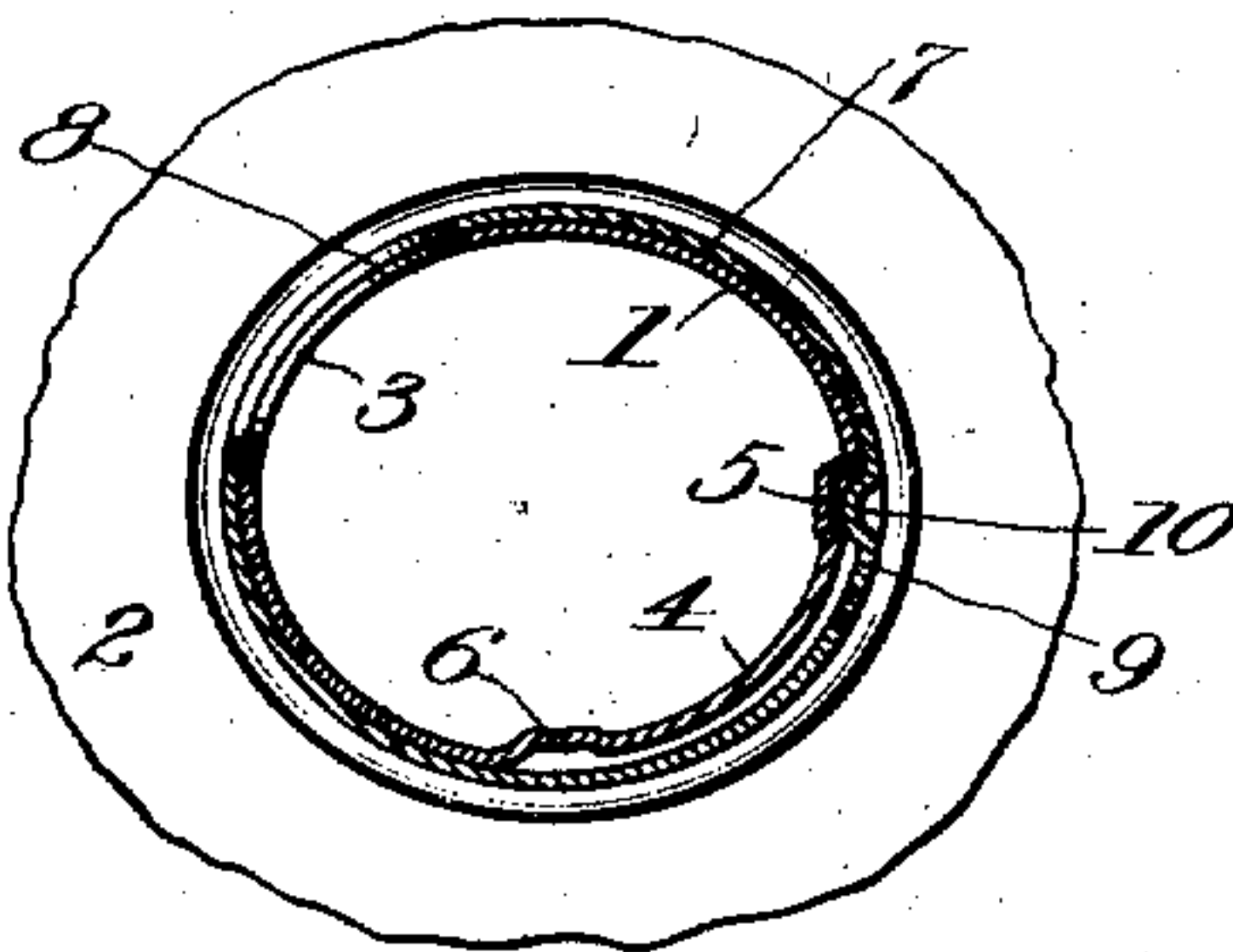
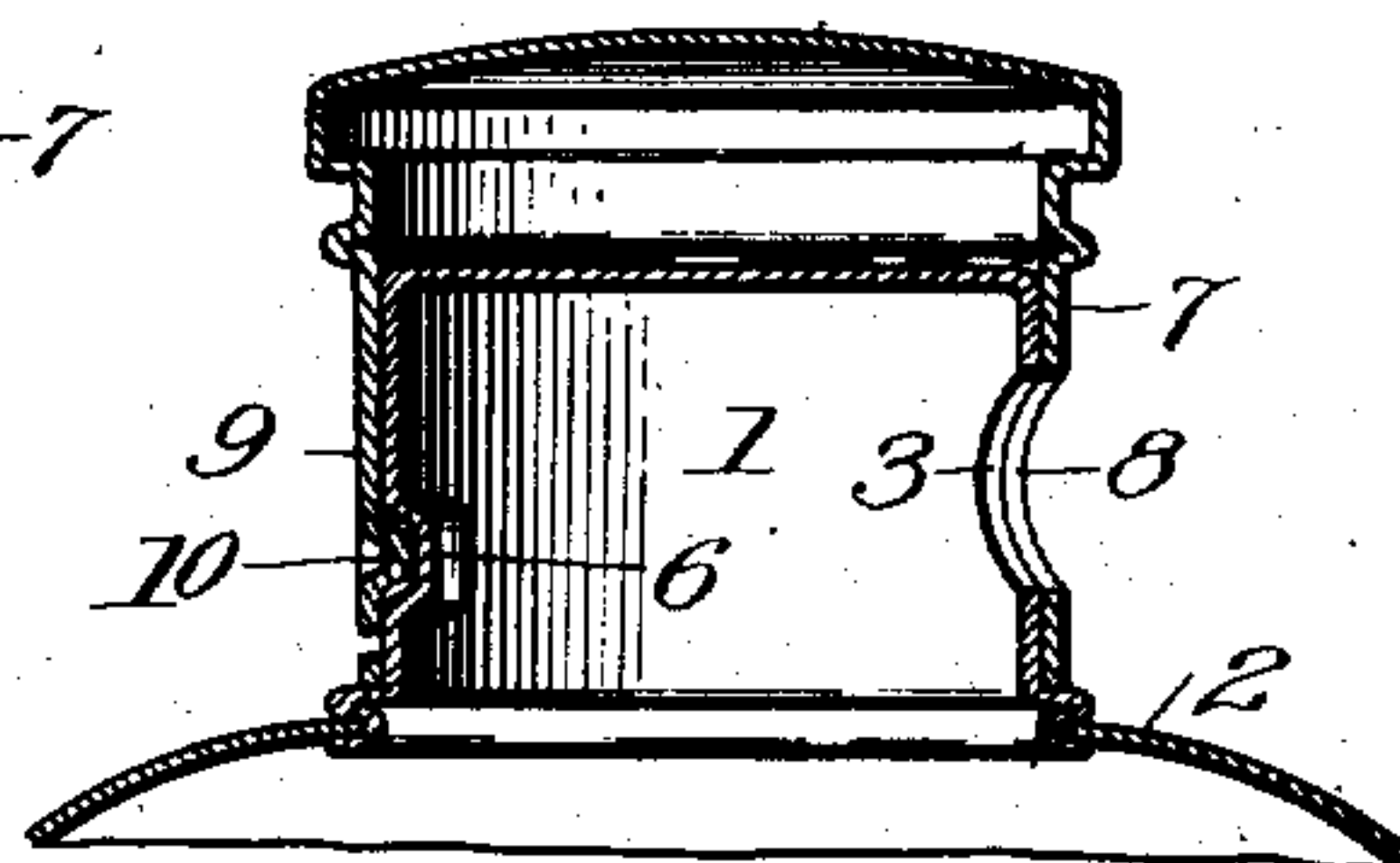
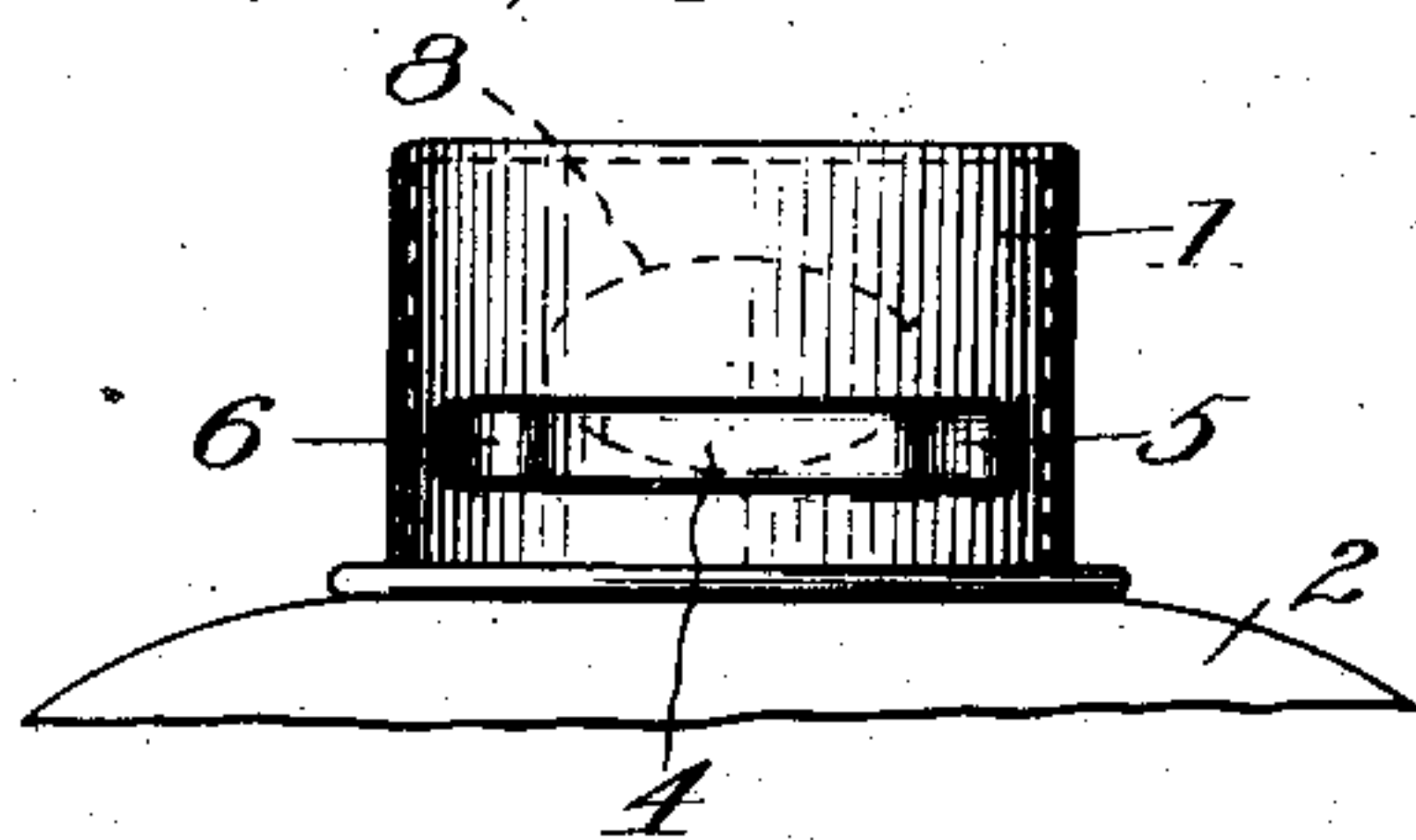


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

ADRIAN F. WOLFF, OF WATERBURY, CONNECTICUT, ASSIGNOR TO SCOVILL MANUFACTURING COMPANY, OF WATERBURY, CONNECTICUT, A CORPORATION OF CONNECTICUT.

TOP FOR POWDER-RECEPTACLES.

No. 859,597.

Specification of Letters Patent.

Patented July 9, 1907.

Application filed December 26, 1906. Serial No. 349,491.

To all whom it may concern:

Be it known that I, ADRIAN F. WOLFF, a citizen of the United States, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented a certain new and useful Improvement in Tops for Powder-Receptacles, of which the following is a full, clear, and exact description.

This invention has for its object to provide a very simple and economical construction of rotatable tops for that class of powder receptacles wherein there is a lateral discharge opening.

The neck of the receptacle is made with a side discharge opening and with a groove opposite the discharge opening, said groove having depressions at its opposite ends, and upon this neck is mounted a rotatable outside shell, having an opening to correspond with the opening in the neck, and also having a spring tongue nearly opposite the said opening and provided with a lug which engages the groove and thereby subserves the double purpose of connecting the outside shell with the neck without the aid of any other fastening and for holding the outside shell with its opening in register with the opening in the neck and also holding it to close the opening and to draw the shell tight against the neck, so as to insure against leakage.

In the accompanying drawings, illustrating the invention, in the several figures of which like parts are similarly designated, Figure 1 is a rear elevation looking at the spring tongue. Fig. 2 is a horizontal section taken substantially in the plane of line A B, Fig. 1, with the discharge opening in the neck closed. Fig. 3 is a view similar to Fig. 2 but with the outside shell moved to uncover the opening in the neck. Fig. 4 is a side elevation of the neck without the cap. Fig. 5 is a vertical section of the top with the shell turned about midway of the groove in the neck. Fig. 6 is a vertical section of the top with the shell turned to open for discharge.

The neck 1 is made as an inverted cup and secured to the breast 2 in any suitable manner. This neck is provided with a lateral opening 3 for discharging the contents of the can or receptacle, and it is also made with an inwardly projecting groove 4 arranged opposite to the opening 3, and this groove has the depressions 5 and 6 at its end. The shell 7 is also made in the form of an inverted cup of any ornamental configuration excepting that it is designed to fit comparatively snugly about the vertical wall of the neck 1, and close to the closed top of said neck. The shell is made with an opening 8 complementary to the opening 3 and the two openings are designed to be brought into alinement by rotation of the shell around the neck 1 as a journal. Nearly opposite its opening 8 the neck is provided with a tongue 9 preferably somewhat of the outline of a horseshoe of the letter U. This tongue is severed from

the metal of the shell in three directions and remains intact with the metal of the shell at one end, as for example, its upper end. The other or lower end of the tongue is provided with a lug 10 which engages the groove 4 in the neck and is the only means by which the shell is connected to the neck, thus obviating the necessity of employing the usual interlocking beads and the like, and resulting in a very considerable economy in the construction, and also gaining for the construction the advantage of ability to discard a damaged or imperfect neck or shell without discarding both, because the shell may be pulled off from the neck without damage to itself and without damage to the neck. The tongue is a relatively stiff spring, and when the shell is rotated so as to bring the openings 3 and 8 out of register, as in Fig. 2, then the lug 10 springs down into the depression 6 at the end of groove 4 and holds the shell in that position until it is forcibly released. Also when these openings 3 and 8 are brought into register, as indicated in Fig. 3, this same lug springs forcibly down into the depression 5 and with equal force holds the neck in the closed position. Moreover, at all times this tongue, by virtue of its springiness and its location opposite the opening in the neck, serves to bring the shell into such intimate contact with the neck as to prevent to a very large degree, if not wholly, the leakage of the contents of the receptacle.

The spring tongue and its lug are so related to the groove and its end depressions that said spring tongue is always under more or less tension and tension sufficient to keep the shell in intimate contact with the neck, the depth of the groove and its depressions and the height of the lug being so proportioned that spring tension will be insured. As indicated in Fig. 5, these proportions are such that the spring tongue stands off from the vertical plane of the wall of the shell a slight distance when the lug is traveling in the body of the groove.

The invention herein is a species of the broad invention common to this and another case of mine Serial No. 349,492 of even date.

What I claim is:—

1. A top for powder receptacles, comprising a closed neck having a lateral discharge opening and a groove opposite said discharge opening, and an outside shell applied to said neck and provided with a registering opening, and a spring tongue cut longitudinally from its side wall on the other side from its opening and having a lug engaging the groove in the neck and thereby connecting the shell and neck without extraneous fastenings.
2. A top for powder receptacles, comprising a closed neck having a lateral discharge opening and a groove opposite said discharge opening, provided with end depressions, an outside shell applied to said neck and provided with a registering opening, and a spring tongue cut longitudinally from its side wall on the other side from its opening and having a lug engaging the groove at all times, thereby effecting the union of the neck and shell without

extraneous fastenings and drawing the shell into such intimate contact with the neck as to make it dust-tight when closed.

3. A top for powder receptacles, comprising a closed
5 neck having a lateral discharge opening and a groove opposite said discharge opening provided with end depressions, an outside shell applied to said neck and provided with a registering opening and a spring tongue cut longitudinally from its side wall on the other side from its
10 opening, and having a lug engaging the groove at all times and thereby effecting the union of the neck and shell with-

out extraneous fastenings and drawing the shell into such intimate contact with the neck as to make it dust-tight when closed and movable into engagement with the depressions in the ends of the groove, respectively to retain the
15 shell in its open and its closed positions.

In testimony whereof I have hereunto set my hand this 24th day of December A. D. 1906.

ADRIAN F. WOLFF.

Witnesses:

J. H. PILLING,
G. F. HODGES.

Correction in Letters Patent No. 859,897.

It is hereby certified that in Letters Patent No. 859,897, granted July 9, 1907, upon the application of Adrian F. Wolff, of Waterbury, Connecticut, for an improvement in "Tops for Powder-Receptacles," an error appears in the printed specification requiring correction, as follows: In line 55, page 1, the word "of" should read *or*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 30th day of July, A. D., 1907.

[SEAL.]

C. C. BILLINGS,
Acting Commissioner of Patents.

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