

W. H. PERKINS.
POWDER BOX TOP.
APPLICATION FILED APR. 20, 1908.

925,648.

Patented June 22, 1909.

Fig 1

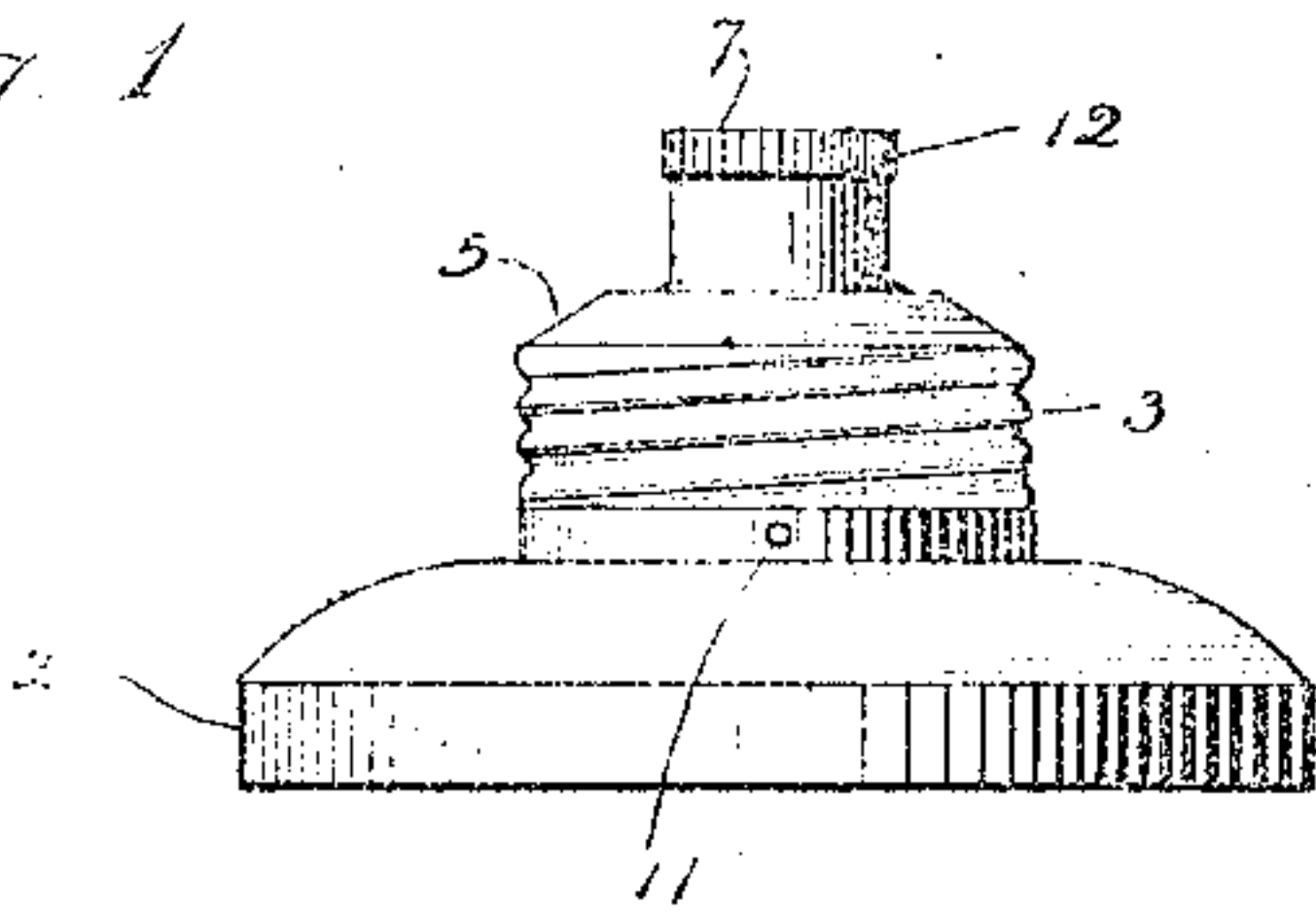


Fig 2

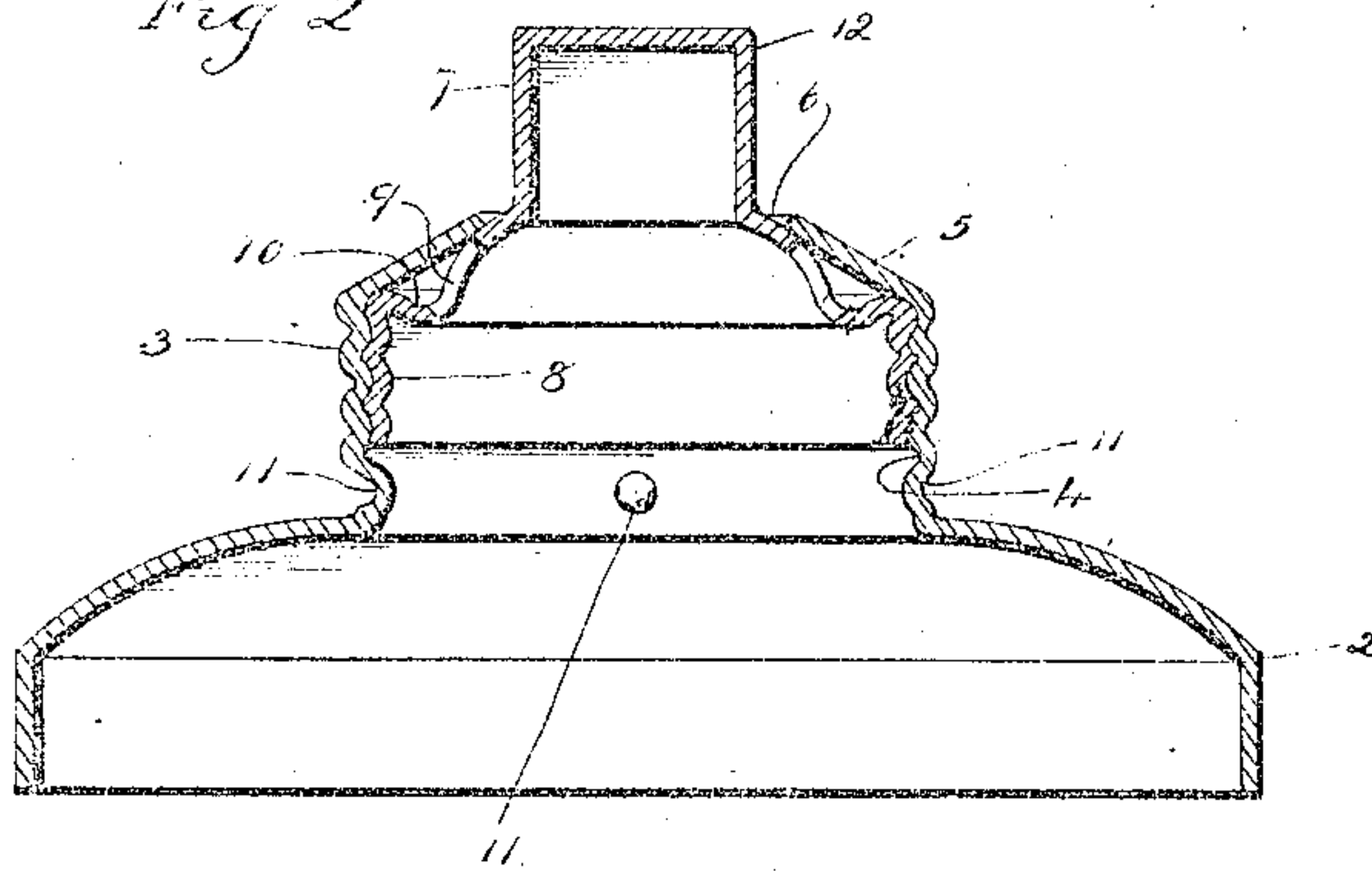


Fig 3

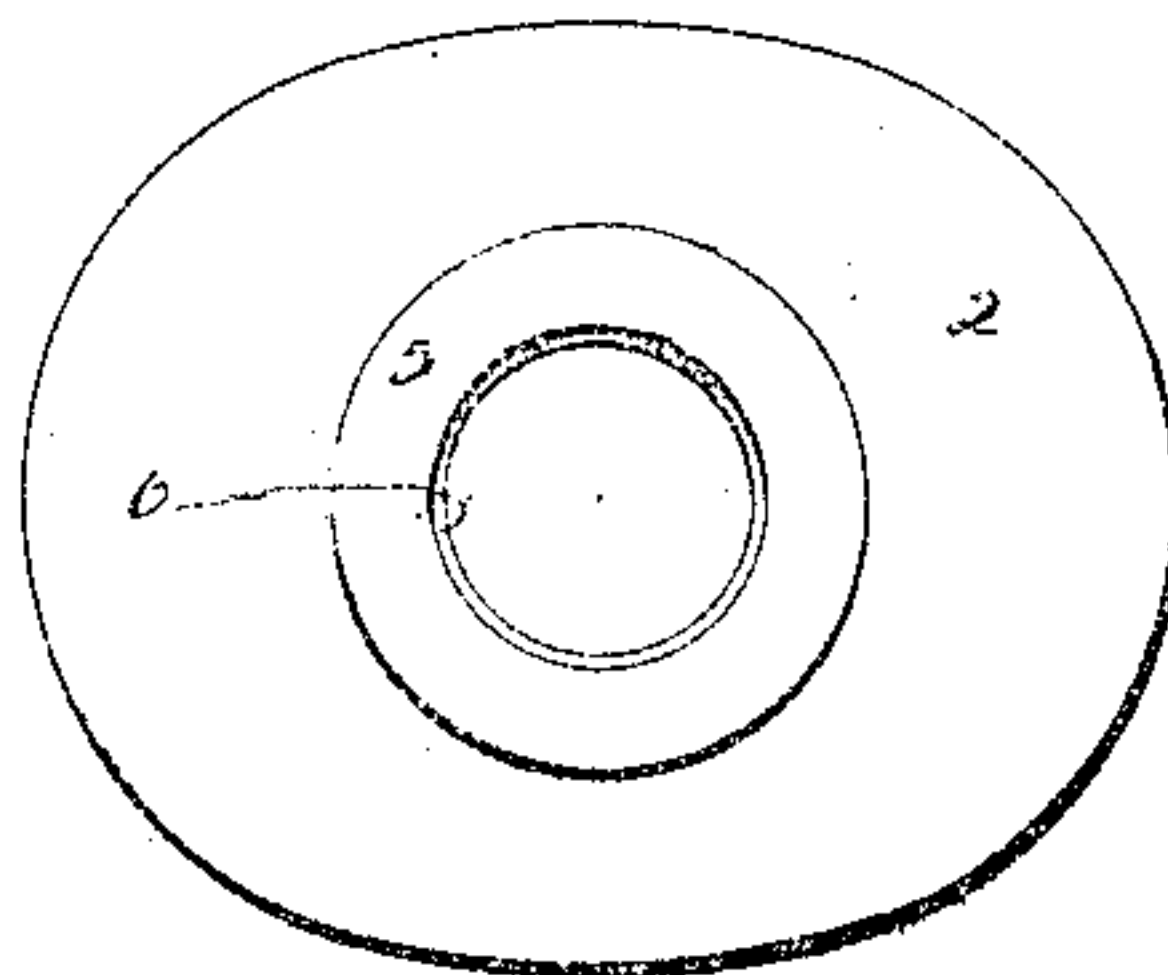
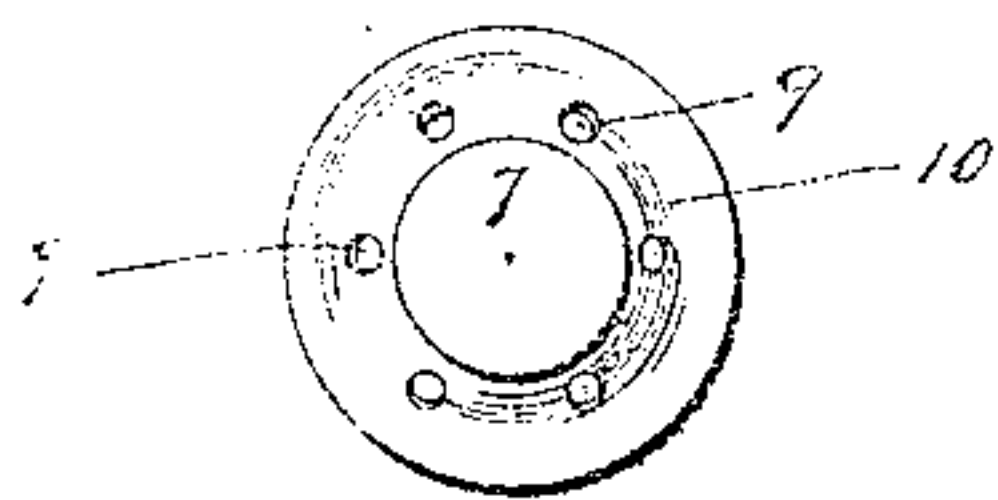


Fig 4



Witnesses

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UNITED STATES PATENT OFFICE.

WALTER H. PERKINS, OF CHESHIRE, CONNECTICUT, ASSIGNOR TO WATERBURY MFG. CO.,
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POWDER-BOX TOP.

No. 925,648.

Specification of Letters Patent.

Patented June 22, 1909.

Application filed April 20, 1908. Serial No. 428,233.

To all whom it may concern:

Be it known that I, WALTER H. PERKINS, a citizen of the United States, residing at Cheshire, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Powder-Box Tops; and I do hereby declare the following, when taken in connection with the accompanying drawings and the characters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1 a side view of the upper part of a box top having its upper portion constructed in accordance with my invention. Fig. 2 a sectional view of the same on an enlarged scale. Fig. 3 a top or plan view. Fig. 4 a top or plan view of the plug shell, detached.

This invention relates to an improvement in powder box tops, that is, boxes for containing toilet powder, tooth powder, or other similar preparations, the object being to provide a simple arrangement of parts which permits the free discharge of the contents of the holder and closely protects the contents when the device is closed; and the invention consists in the construction hereafter described and pointed out in the claim.

The box top 2 is of any desired form having a neck 3 formed integral with the upper part of the box and having internal threads 4 which are preferably formed by rolling. From the neck 3 the top 5 tapers upward and has a central opening 6. Entering the neck from the inside is a shell 7 in the form of a plug which extends through the opening 6. This shell has a threaded flange 8 to engage with the threads 4 in the neck 3 and around the shell inside the flange are a series of perforations 9, and adjacent to the flange is an annular groove 10. After the plug shell has been screwed into the neck small indentations 11 are formed in the neck below the threads and below the flange 8 to prevent the removal of the plug. The up-

per or contracted portion of the plug is adapted to freely pass through the opening 6 while the surface just below the contracted portion is adapted to bear against the under face of the top 5 so as to close the opening 6 when the shell is turned outward. Preferably this shell is provided with a knurled edge 12 by which it may be conveniently turned and when turned inward forms an opening between the plug and the top through which the contents of the receptacle passing through the perforations 9 may escape. When the box is held upright and the cap turned outward any portion of the powder remaining between the plug and top will pass back into the box. This device furnishes a box which not only permits the contents to be freely discharged and securely closed, but also prevents the entire removal of the plug or cap so that it cannot be accidentally misplaced.

I claim:—

As a new article of manufacture, a powder-box top consisting of a flanged body and an uprising cylindrical neck having internal threads and terminating in a tapering top having a circular central discharge-opening; in combination with a valve-like sheet-metal plug comprising a threaded flange taking into the internal threads of the neck, a hub-like finger-piece projecting through the said discharge-opening, and a tapering band connecting the said flange and finger-piece and set inward to clear the tapering top of the neck and formed with perforations, whereby a clearance space is produced between the top of the neck and the plug for the reception of any powder that has passed through the perforations through which any powder not used may fall back into the box.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

WALTER H. PERKINS.

Witnesses:

LOUIS C. HOBART,
ADOLPH C. RECKER.