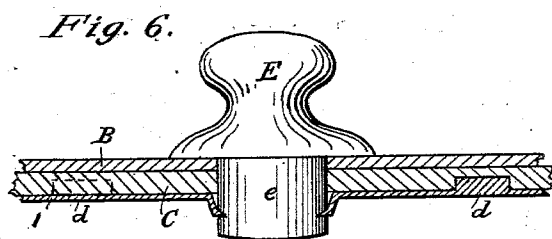
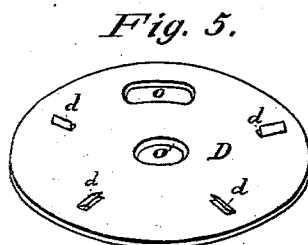
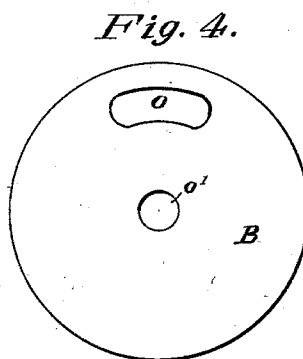
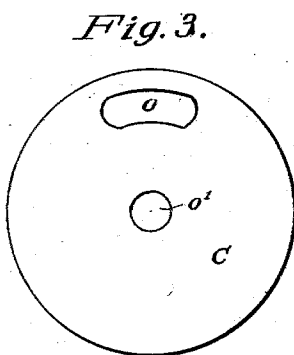
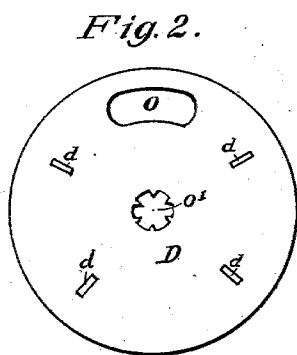
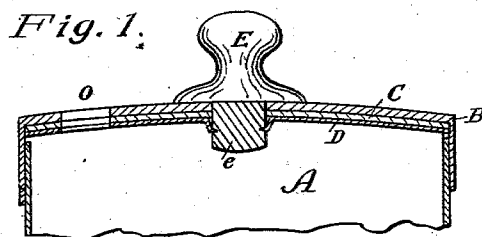


No. 758,309.

PATENTED APR. 26, 1904.

M. H. FLETCHER.
BOX FOR CONTAINING TOOTH POWDER.
APPLICATION FILED SEPT. 18, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

MORDECAI H. FLETCHER, OF CINCINNATI, OHIO.

BOX FOR CONTAINING TOOTH-POWDER.

SPECIFICATION forming part of Letters Patent No. 758,309, dated April 26, 1904.

Application filed September 18, 1903. Serial No. 173,699. (No model.)

To all whom it may concern:

Be it known that I, MORDECAI H. FLETCHER, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented new and useful Improvements in Boxes for Containing Tooth-Powder, &c., of which the following is a specification.

My invention relates to boxes for holding and out of which may be taken tooth-powder, face-powder, or the like material to be used in small quantities upon occasion, its object being to provide a package that shall be perfectly secure and tight against leakage and protect the contents from moisture, at the same time provided with means convenient of operation for discharging small quantities as required from time to time.

In a previous patent granted to me I describe a package consisting of a cylindrical box having a suitably-perforated cover with a concentric register-valve operating in connection therewith and having an intervening pad or disk of material—such, for example, as blotting-paper, cloth, &c.—attached to the inside of the cover and correspondingly perforated, over which the disk valve or register-plate was rotated. In the practical working of this device a difficulty has been experienced in securing the packing-pad against rotation under the pressure and friction of the rotating valve, so that at times a partial rotation of the pad carries the pad out of register with the aperture of the cover and of the valve, thus disarranging the parts and preventing the proper operation of the valve.

My present invention furnishes a remedy for this condition; and it consists in a sheet packing interposed loosely—that is, without being cemented or otherwise fastened to the cover—and a valve provided with catch-points which engage the sheet packing and rotate it with the valve, with its aperture in constant registering relation with the valve and brought into registering relation with the aperture of the cover only as the valve is brought into such relation.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is an axial section, in elevation, of

the part of the box containing my improvement. Figs. 2, 3, and 4 are under plan views of the register-valve, packing-disk, and box-cover, respectively; Fig. 5, a perspective view of the valve, showing the preferred arrangement of the "catch-points" for engaging the packing-disk; and Fig. 6, a detail section of the valve and packing-disk, showing the mode in which the catch-points of the valve are embedded in the packing-disk in use.

Referring now to the drawings, A designates the cylindrical box or package, (shown partially in Fig. 1,) and B the cylindrical cover fitting over one end of the box outside.

The cover B is pierced centrally, as at *o'*, for the admission of the cylindrical shank or stem *e* of the "knob" E, attached to the disk valve, presently to be described, and also perforated, as at O, at one side of the central perforation *o'* for the discharge of the contents upon occasion, Fig. 4.

Immediately within and adjacent to the inner side of the cover is placed a cylindrical pad C, fitting just within the cylindrical wall of the cover circumferentially and perforated correspondingly with the top of the cover B, Fig. 3. Adjacent to the pad is placed a disk valve D of the same diameter as the pad and also correspondingly perforated at *O o'*, Fig. 2.

The disk valve D is also provided at radial intervals with tongues *d*, punched from its own material and thrown out on one side at opposite angles to sink into and engage the material of the pad C, as clearly indicated in Figs. 5 and 6.

The device is operated by simply turning the knob E, and thus rotating the registering disk valve D with its attached similar pad C until the openings O in disk and pad register with that in the top B, when so much as desired of the contents of the box A may be emptied out. Then by further turning the knob E the opening is closed, preventing more of the contents from spilling out or any foreign substance from entering the package.

I claim as my invention and desire to secure by Letters Patent of the United States—

In a package of the character indicated, the combination of the centrally-perforated cover, centrally-perforated packing-disk, centrally-

perforated valve-disk with tongues thrown
out on one side at opposite angles and adapted
to rotatively engage the pad, in combination
with a spindle having a terminal knob and
5 shoulder, and inserted through the box-cover,
the packing-disk and the valve-disk, and se-
cured to the latter, substantially as and for
the purpose set forth.

In testimony whereof I have hereunto set
my hand in presence of two subscribing wit- 10
nesses.

MORDECAI H. FLETCHER.

Witnesses:

KATHERINE E. PRICE,
JOSEPH R. GARDNER.