

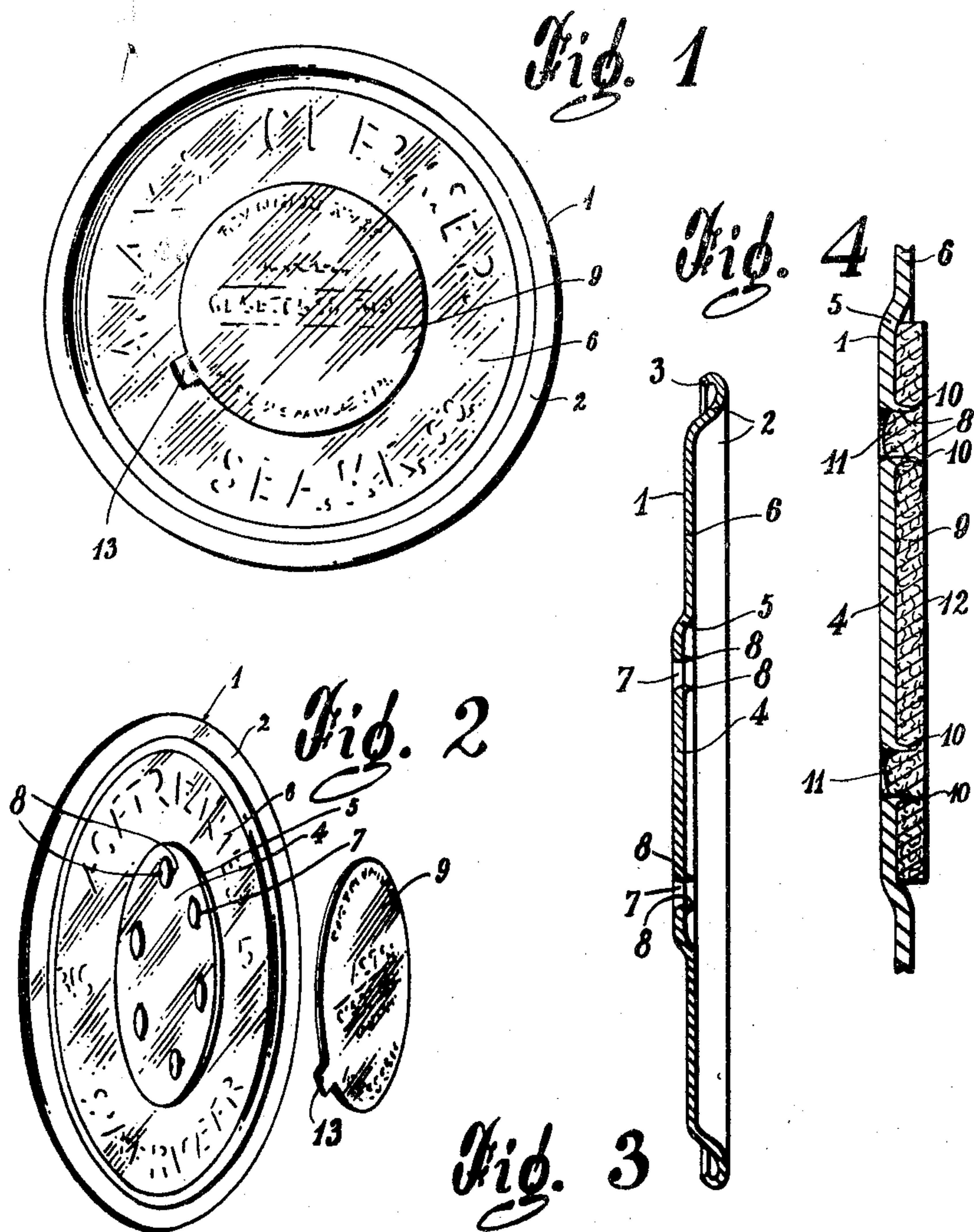
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2,710,122

PERFORATED COVER AND SEALING DISK THEREFOR

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PERFORATED COVER AND SEALING DISK THEREFOR

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1 Claim. (Cl. 222—563)

The present invention relates to containers having a perforated cover for dispensing the powdered contents of the container and to a sealing disk for closing the perforations of said cover prior to the use of the container.

In known cover and sealing disk constructions, the cover is provided with a plurality of perforations some of which are punched to form clean circular dispensing holes, while the remaining perforations are made with a punch having a square pyramidal head to thereby form triangular spurs which are adapted to engage the cardboard sealing disk for securing the latter to the cover. Therefore the sealing disk is not secured to the cover in the zone of the dispensing holes and it frequently happens that during storage or transit, the contents of the container sifts between the cover and sealing disk.

Accordingly, the general object of the present invention is the provision of a cover and sealing disk therefor arranged and secured in such a manner as to positively prevent sifting of the contents of the container.

Another important object of the present invention is the provision of a perforated cover and sealing disk therefor in which means are provided for easily removing the sealing disk from the cover.

Yet another important object of the present invention is the provision of a perforated cover and sealing disk therefor which is inexpensive and simple to manufacture.

The foregoing and other important objects of the present invention will become more apparent during the following disclosure and by referring to the drawings in which:

Figure 1 is a front elevation of the cover and disk secured thereto in sealing position;

Figure 2 is an exploded perspective view of the disk and cover;

Figure 3 is a cross-section of the cover; and

Figure 4 is a partial cross-section of the cover and of the disk secured thereto in sealing position.

Referring now more particularly to the drawings in which like reference characters indicate like elements throughout, the cover 1 is preferably made of sheet metal and has a circular shape provided at its periphery with an outwardly curved portion forming a rib 2 which is inwardly curved at its outer edge, as shown at 3, to form a sealing means engageable with the body of the container to which the cover 1 is permanently secured. Said container (not shown) is preferably made of fiberboard.

The central circular portion 4 of the cover 1 is recessed at 5 with respect to the immediately adjacent annular por-

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tion 6. The central portion 4 is provided with a plurality of circular perforations 7 to dispense the contents of the container. According to the present invention each one of the perforations is provided with two diametrically opposed spurs 8 which project outwardly from the edges of the perforations 7 and extend only along a small portion of said edges. The spurs 8 are adapted to engage and pierce the cardboard material of the sealing disk 9 which is applied against the outer face of the central portion 4 of the cover 1 as shown in Figure 4. When the disk 9 is pressed against the cover 1, the projecting outer ends of the spurs 8 are bent back into the material of the disk 9, as shown at 10, to firmly anchor said sealing disk 9.

During this pressing operation, the portions of the disk overlying the perforations 7 are caused to enter said perforations to form bosses 11 which tightly fit the edges of the perforations 7. Thus every single perforation 7 is effectively sealed by the disk 9, more particularly by the bosses 11 thereof.

To facilitate removal of the disk 9, the latter is provided with a tab 13 which depends from the outer edge of the disk 9 and which overlies the annular portion 6 of the cover 1.

Due to the fact that there are only two spurs 8 for each perforation 7, and that said spurs 8 extend for only a small arc of the circular periphery of the perforations, the spurs 8 will not hamper discharge of the contents from the container.

If it is so desired, the disk 9 may be used for displaying advertising material as shown in Figure 1.

While a preferred embodiment according to the present invention has been illustrated and described, it is understood that various modifications may be resorted to without departing from the spirit and scope of the appended claim.

I claim:

The combination of a perforated sheet metal cover with a sealing disk therefor made of soft material, said cover having a plurality of circular perforations and a pair of spur like projections formed along the edges of each of said perforations and projecting outwardly from the outside face of said cover, each of said projections extending for only a small arc of the circular periphery of said perforations, said sealing disk applied over said perforations and said projections penetrating into said disk to secure the latter to said cover, said disk projecting into and tightly fitting said perforations to seal the same, said projections being curved away from each other at their end portions and said end portions terminating adjacent the outside face of said sealing disk and a tab depending from said disk for facilitating removal of said disk from said cover.

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