S. HANSEN.

BOTTLE CAP.

APPLICATION FILED SEPT. 13, 1921.

1,423,105. Patented July 18, 1922.

Fig. 1.

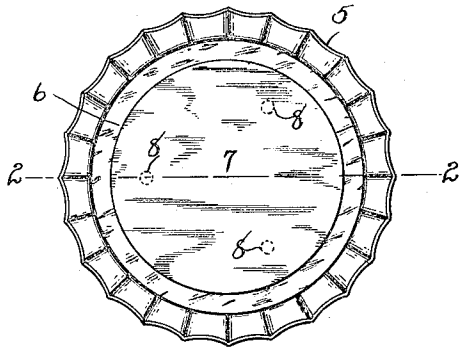


Fig. 2.

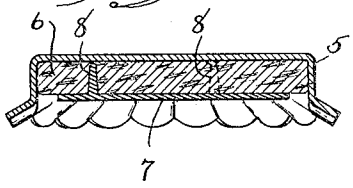


Fig. 3.

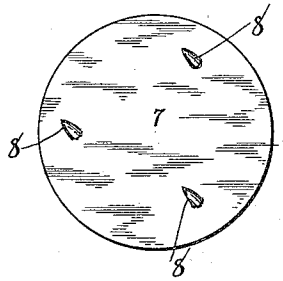
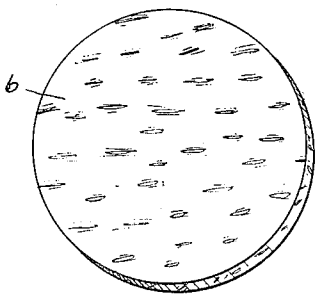


Fig. 4.



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UNITED STATES PATENT OFFICE.

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BOTTLE CAP.

1,423,105. Specification of Letters Patent. Patented July 18, 1922.

Application filed September 13, 1921. Serial No. 500,407.

To all whom it may concern:

Be it known that I, SVEND HANSEN, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented a new and useful Improvement in Bottle Caps; 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 application, and represent, in—

Figure 1 an inside view of a bottle cap constructed in accordance with my invention.

Fig. 2 a sectional view on the line 2—2 of Fig. 1.

Fig. 3 a perspective view of the metal protecting disk detached.

Fig. 4 a perspective view of the cork disk detached.

This invention relates to an improvement in bottle caps, and particularly to bottle caps which are formed from metal and adapted to be clamped over the mouths of bottles. As commonly employed, a disk of cork is inserted into the cap to make a tight fit with the mouth of the bottle. In preparing these disks of cork, various materials are employed, which sometimes have a deleterious effect upon the contents of bottles and particularly in the case of bottled waters. To overcome this difficulty, a disk of tinfoil has been placed over the exposed face of the cork and secured thereto by some adhesive material, but in shipping, these disks are packed in barrels or boxes, and in handling many of the metal disks become detached, so that, when applied to bottles, the contents not only come in contact with the cork, but are contaminated by the material employed for securing the disks in place.

The object of this invention is to provide a disk with prongs, by which it may be firmly secured to the cork, so as to withstand the liability to damage in handling, and the invention consists in the construction as hereinafter described and particularly recited in the claim.

In carrying out my invention, I employ a metal bottle cap 5 of usual construction, which is adapted to be clamped over the mouth of a bottle. Within the cap and closely fitting therein, is a disk 6 of cork, and applied to the exposed face of the cork is a disk 7 of tinfoil formed on one side with integral prongs 8 which are adapted to pass through the cork and be upset between the cork and the inner face of the cap, so that the metal disk is firmly anchored to the cork and not liable to be detached therefrom. These disks are readily formed and applied by automatic machinery, so that very little, if any, additional expense is involved. The metal disk is slightly smaller in diameter than the diameter of the cork, so that the cork comes in contact with the edge of the mouth of the bottle and securely closes the same.

I claim:

The combination with a bottle cap of a cork disk located therein, and corresponding in diameter to the internal diameter of the cap, so as to cover the inner face of the same, and a metal disk of smaller diameter than the diameter of the cork, applied to the exposed face of the cork and formed with integral prongs projecting through the said cork.

SVEND HANSEN.

Witness:
LILLIAN S. VOGEL.