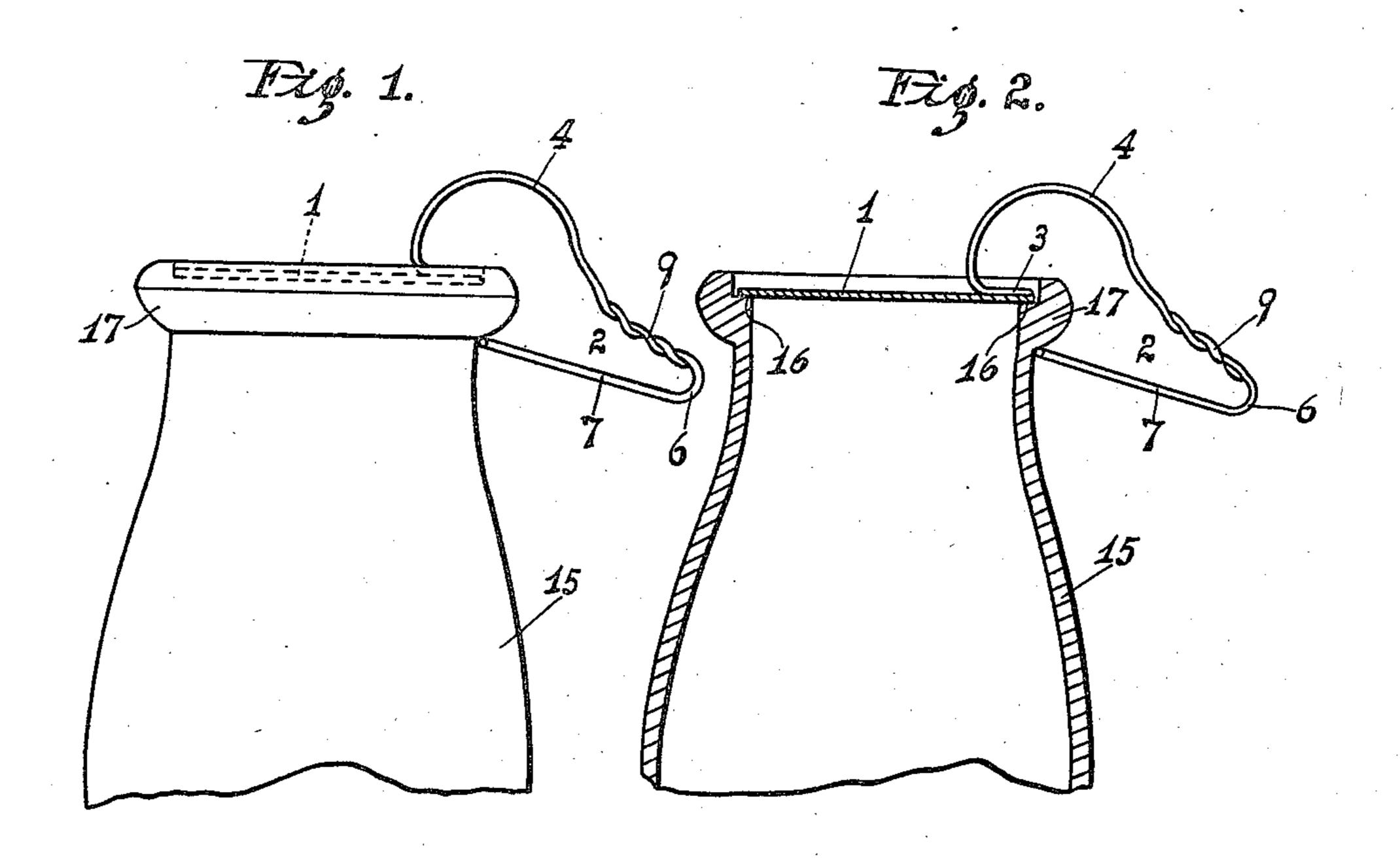
June 19, 1923.

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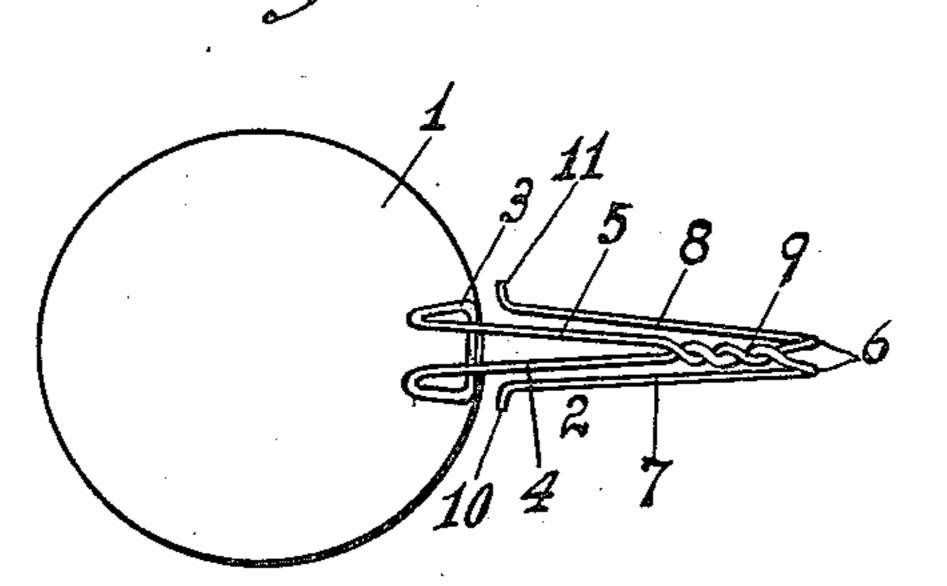
C. L. NACE

BOTTLE CAP

Filed April 25, 1921



Tig. 3.



Clarence L. Nace.

Harry Chroseles attorney

UNITED STATES PATENT OFFICE.

CLARENCE L. NACE, OF OAKLAND, CALIFORNIA.

BOTTLE CAP.

Application filed April 25, 1921. Serial No. 464,407.

To all whom it may concern:

5 State of California, have invented certain upon the seat 16. The disk 1 may be retion.

My invention is an improved bottle cap which may be readily applied to or removed Having described my invention, I claim: from the mouth of the bottle and which may be swung partly open to pour out the contents of the bottle and will close automatically when released.

Referring to the annexed drawing in which my invention is illustrated and which forms a part of this specification:

Figure 1 is a side elevation of a milk bottle and my cap closing the mouth thereof.

Figure 2 is a vertical longitudinal section of said milk bottle and my cap closing the mouth of the bottle.

Figure 3 is a plan view of my cap. My cap includes a disk 1 and a spring the arms 4 and 5, forming arms 7 and 8, the being twisted together. substantially at right angles. The foot 3 is secured to the upper side of the disk 1 at one edge thereof with the intermediate member of the foot adjacent said edge.

bead 17, the under side of which is engaged by the ends 10 and 11 of arms 7 and 8, whereby the clip 2 holds the plate 1 tightly upon said ledge, hermetically sealing the bottle.

By pressing down on the lower or twisted portion 9 of the arms 4 and 5, the side of the

disk 1 opposite the clip 2 is raised off the 50 Be it known that I, Clarence L. Nace, a ledge 16 so that the contents of the bottle citizen of the United States, residing at may be poured out. Upon releasing the clip, Oakland, in the county of Alameda and its spring action closes the disk 1 firmly new and useful Improvements in Bottle moved from the ledge 16 and the mouth of 55 Caps, of which the following is a specifica- the bottle upon disengaging the ends 10 and 11 of arms 7 and 8 from the under side of the bead 17.

> 1. A bottle cap including a disk adapted 60 to rest upon the seat in the mouth of the bottle, a clip comprising a single piece of wire bent in the middle forming a foot, then bent upwardly and backwardly over said foot, forming arms which are twisted to- 65 gether, and then bent upwardly under said arms at an angle, forming other arms for engaging the under side of the bead on the mouth of the bottle, said foot being secured to the upper side of said disk near the edge 70 of the disk.

2. A bottle cap including a disk, a clip, said clip comprising a single piece of resil-25 clip 2. The clip 2 is made of a single piece ient wire bent into a foot, arms extending of resilient wire, bent in the middle into a in a semicircle from said foot, and arms ex- 75 U-shaped foot 3, then upwardly from the tending from the lower part of the aforeends of said foot backwardly over the foot said arms to the under side of the bead on in semi-circular formation and downwardly the mouth of the bottle, said foot being seat an angle, forming upper arms 4 and 5, cured to the upper side of the disk at the and then upwardly at 6 at an angle under edge thereof, and said first mentioned arms 80

arms 4 and 5 being twisted together from 3. A bottle cap including a disk adapted the bend 6 for a short distance at 9, and the to rest upon the seat in the mouth of the 35 arms 7 and 8 diverging from said bend and bottle, a clip comprising a single piece of their ends 10 and 11 being bent outwardly wire bent in the middle forming a foot, then 85 bent upwardly and backwardly over said foot, forming arms which are twisted together, and then bent upwardly under said arms at an angle, forming other arms for The mouth of the bottle 15 is formed with engaging the under side of the bead on the 90 an internal annular seat 16 upon which rests mouth of the bottle, said other arms terthe disk 1, and with an external annular minating in outwardly bent parts extending in opposite directions, and said foot being secured to the upper side of said disk near the edge of the disk.

In testimony whereof I affix my signature.

CLARENCE L. NACE,