

W. H. CUSHMAN.
 NEST OF DRINKING CUPS.
 APPLICATION FILED OCT. 17, 1910.

1,021,716.

Patented Mar. 26, 1912.

Fig. 1.

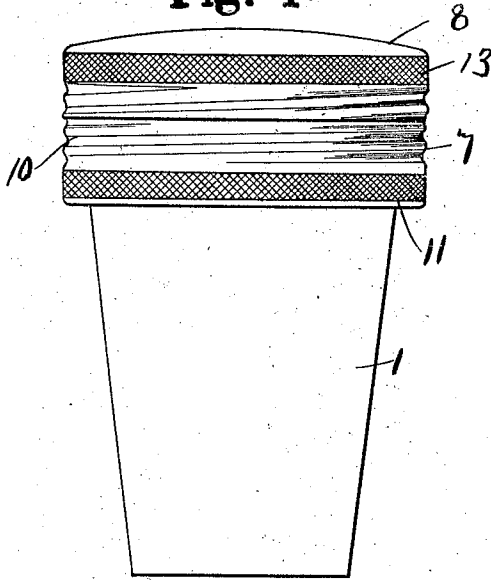


Fig. 2.

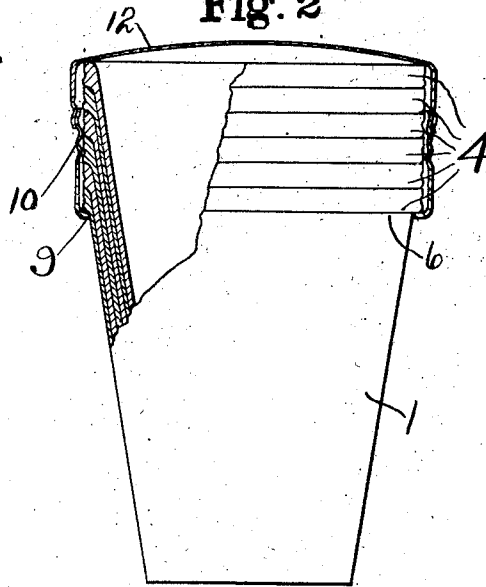


Fig. 3.

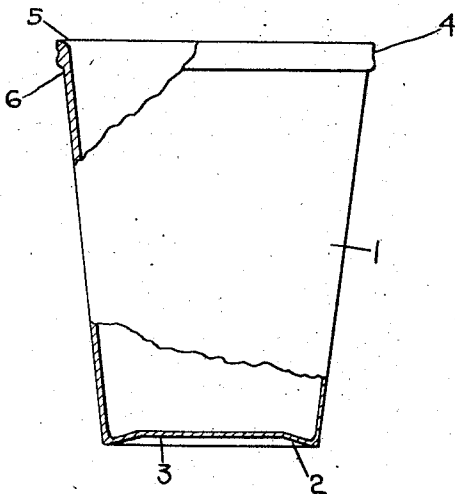


Fig. 4.

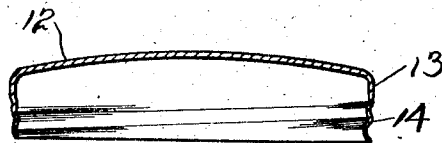
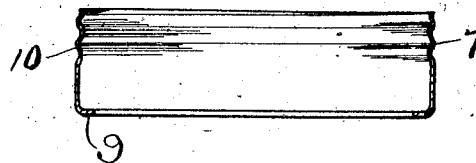


Fig. 5.



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UNITED STATES PATENT OFFICE.

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NEST OF DRINKING-CUPS.

1,021,716.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM H. CUSHMAN, a citizen of the United States, and resident of Taunton, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Nests of Drinking-Cups, of which the following is a specification.

This invention has reference to a nest of drinking cups, its object being to provide a plurality of uniform cups adapted to set closely one within the other, and to provide simple, inexpensive and yet effective means for covering the top of the cups and at the same time coupling and binding the whole together but without causing them to frictionally bind so as to render separation difficult.

With these and other objects in view, the invention consists of certain novel features of construction, as will be more fully described and particularly pointed out in the appended claim.

In the accompanying drawings: Figure 1— is an external view of the nest of cups, covered and secured together by the coupling. Fig. 2— shows a central sectional view through the coupling or retaining members and also showing a portion of the cups broken away to show how they nest together. Fig. 3— is a detail of one of the cups showing the shell partly broken away. Fig. 4— is a central section of the top cap portion of the coupling. Fig. 5— is a central section of the ring portion of the coupling.

Referring to the drawings 1 designates the body of the cup made in frusto-conical shape, larger at the top than at the bottom. The bottom portion 2 of the cup is slightly concaved as at 3 to obtain a bearing around its outer edge when resting upon its base. The cups are substantially uniform in size and shape and the upper edge of each cup is provided around its outside with a reinforcing and stiffening ring 4. The vertical width of this ring is such that its lower edge forms a shoulder 6 at a point far enough below the upper edge or top of the cup to rest against the upper edge of the next adjacent cup when all are assembled together, so as to form a stop to prevent the cups from being jammed and frictionally stuck together, after being bound tightly by the coupling presently described. The

lower edge of this band also provides a shoulder on the lowermost cup which may be engaged by the flange 9 of the said coupling ring 7 when drawing and retaining the nest of cups together, so that the lowermost shoulder of the set coacts with the ring 7 and cap 8 to hold the cups assembled without the use of any other inclosure. This coupling retaining ring or band 7 may be constructed in any desired manner, but is shown as, and preferably is, struck or stamped up out of thin sheet metal preferably aluminum with a screw thread 10 formed therein from its upper edge partway of its width, and the width of the ring is preferably enough to cover more than half of the superimposed edges of the nesting cups. A narrow strip of knurling or roughening 11 is formed around the lower portion of the ring by which it may be grasped by the hand in assembling and releasing the parts. The lower edge of this ring is bent inward forming a flange 9 for engaging the shoulder 6 under the edge of the lowermost cup.

The coupling cap 8, like the ring, is preferably struck up out of thin sheet material, preferably aluminum, has an oval top 12, is knurled or roughened at 13 around its upper edge and is also screw threaded at 14 and adapted to engage and fit over that on the coupling ring whereby the two members form a complete coupling which is adapted to cover, draw together by means of the screw thread, and lock the nest of cups all into a single dust-tight package.

It will be observed by this construction that all of the cups are set one within the other, the lower edge of the flange 4 of one cup meeting the upper edge of the flange of the next cup below, and that in this manner a half-dozen, more or less, cups may be neatly packed together to take up but a very small space and when made of thin aluminum weighs but a trifle.

One of the features of the invention is that the coupling comprising the cap and retaining ring cover the opening in the upper cup and bind the whole together by engaging only the edges thereof, thereby causing the exterior of the lower cup to form a casing for protecting those within.

I claim:

A nest of drinking cups comprising a plurality of tapering metal cups of uniform

shape and size adapted to nest one within
the other, each cup having an annular shoul-
der about its upper edge, the lower edge of
each shoulder being adapted to rest on the
5 upper edge of the next lower cup, a ring
having an inwardly turned flange for en-
gaging the underside of the shoulder of the
lowermost cup, and a cap screw threaded to
said ring said cap and ring adapted to in-

close the tops of all of said cups and bind 10
the whole nest into one unitary element.

In testimony whereof I affix my signature
in presence of two witnesses.

WILLIAM HERBERT CUSHMAN.

Witnesses:

FRANK B. MASON;
THERESA WALL.