May 21, 1929. C. BARBIERI 1,714,121

CUP

Filed June 6, 1927

Fig. 1

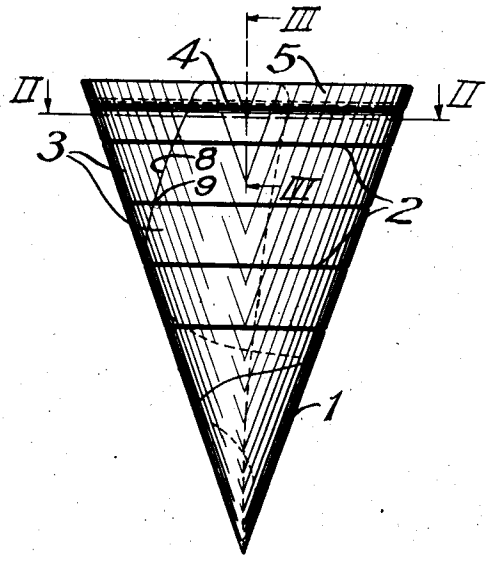


Fig. 2

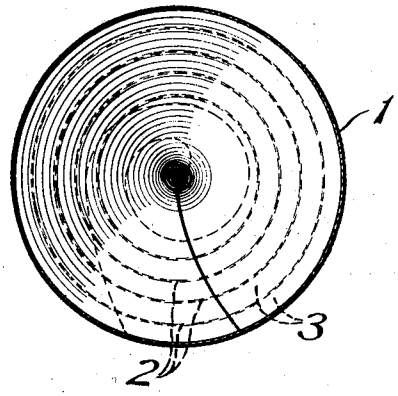
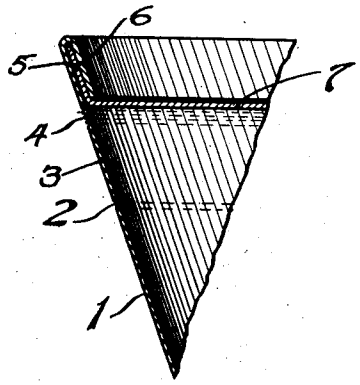


Fig. 3



Inventor

Cesare Barbieri

by Parker & Prindle Attys.

Patented May 21, 1929. 1,714,121

UNITED STATES PATENT OFFICE.

CESARE BARBIERI, OF NEW YORK, N. Y., ASSIGNOR TO THE VORTEX MFG. CO., OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

CUP.

Application filed June 6, 1927. Serial No. 196,674.

It has been the practice at baseball games and other places of amusement to sell or serve ice cream in conical containers the upper margin of which is crimped or bent inwardly over the upwardly extending flange of a cap or top closure plate to protect the contents of the container. In dispensing ice cream or other materials in closed conical containers it has been found that dirt and the like very often settles in the creases and corners of the capped container so that when a person having a container of this type turns the folded upper flange outwardly to remove the cap or cover the soiled marginal portion of the container forms the rim to which the persons must apply their lips in eating the contents of the container. This is a very unsanitary arrangement as well as one which makes it extremely difficult and messy for the person to try and eat the contents of the container. It is also necessary for the person as the ice cream is eaten to squeeze the lower tapered end of the container to force the ice cream in the lower part thereof upwardly toward the rim.

This invention has been devised for the purpose of obviating the above objections and inconveniences in the serving and eating of ice cream from containers without the use of a spoon or the like and consists of producing a capped conical container having a plurality of spaced circular scorings provided on the outer surface of the container permitting the cap and upper cap holding section to be removed from the container to not only expose the contents thereof, but also affording a clean lip or edge which may be applied to a person's lip without danger of contamination. The additional spaced scorings permit the height of the container to be reduced at intervals by consecutively tearing off sections of the container to permit easy access to the contents thereof as well as providing a clean eating margin or lip each time the size of the cup is reduced.

It is an object of this invention to provide a capped conical container for the dispensing of ice cream and the like, said container being provided with a plurality of spaced scorings whereby the upper capped section may first be removed to provide a clean sanitary eating edge or lip for the person eating from the container.

It is also an object of this invention to provide a closed container having spaced peripheral scorings permitting the height of the container to be successively reduced by tearing circular sections from the container to provide a fresh clean eating edge or lip each time a section of the container is removed.

It is a further object of this invention to provide a conical ice cream container having a closure plate or cap secured in place in the upper portion thereof above scorings to permit the height of the container to be gradually reduced by tearing off portions of the container as the volume of the contents of the container is reduced.

It is an important object of this invention to provide a capped conical paper container or cup provided with peripheral scorings permitting the closed upper section to be first removed from the container after which the container is adapted to be reduced in size with the reduction of the volume of the contents of said container, thereby affording an arrangement whereby the contents may be conveniently eaten by a person without the use of a spoon or the like.

Other and further important objects of this invention will be apparent from the disclosures in the specification and the accompanying drawings.

This invention (in a preferred form) is illustrated in the drawings and hereinafter more fully described.

On the drawings:

Figure 1 is a side elevation of an improved scored conical container embodying the principles of this invention.

Figure 2 is a transverse section taken on line II—II of Figure 1.

Figure 3 is an enlarged fragmentary detail section taken on line III—III of Figure. 2.

As shown on the drawings:

The reference numeral 1 indicates a conical container or cup constructed of paper or the like and formed out of a quadrantal blank having an arcuate edge and a pair of radial edges, one of which merges with the curved edge of a tab or extension provided for the purpose of reinforcing the apex of

the container when said blank is formed into a container or cup by means of a conical forming mandrel or roller and a coacting conical presser roller or by any other suitable means.

During the formation of the quadrantal blank into a conical container the outer surface of the container is provided with a plurality of spaced peripheral grooves or scorings 2 dividing the upper portion of the container into a plurality of frustum-shaped rings or sections 3 successively reduced in size as they near the apex of the container.

The upper portion of the container is provided with a plurality of closely arranged scorings 4 which separate a top section 5 from the body of the container. The top section 5 has a margin thereof bent inwardly and downwardly over the flange 6 of a cap or cover 7 which closes the upper portion of the container.

The container or cup is scored as described for the purpose of permitting the top section 5 and the cap 7 to be removed by tearing off said top section along one of the scorings 4. The ring sections 3 are next adapted to be successively torn off of the conical container as the contents of the container are reduced. After the contents have been reduced below the upper edge of the container formed by the scored portion 4, a person eating from the container has merely to engage a finger or thumb nail underneath the upper overlapping margin 8 forming a part of the container seam and start to tear the upper ring section 3 from the point 9 around the container to reduce the height thereof to expose the remaining contents of the container to make the same accessible to a person desiring to eat the ice cream. The size of the container may be successively reduced predetermined amounts by successively tearing off the ring sections 3 as the contents of the container are reduced. This arrangement permits the contents of the container to be accessible providing a convenience to a person eating from the container.

While a plurality of circumferential grouped scorings 4 and spaced scorings 2 have been illustrated, and described as a means of reducing the height of the container to facilitate access to the contents thereof, it will, of course, be understood that a container may be provided with a spiral scoring, if desired, below the scorings 4, so that the height of the container may be gradually reduced by intermittently tearing off a spiral strip of the container along the spiral scoring as the contents of the container are diminished.

I am aware that many changes may be made, and numerous details of construction may be varied through a wide range without departing from the principles of this invention, and I therefore do not purpose limiting the patent granted hereon, otherwise than necessitated by the prior art.

I claim as my invention:

1. An ice cream dispenser or the like comprising a container constructed of a rolled quadrantal blank having a spiral overlapping margin, said container being provided with a group of adjacently disposed scorings separating the upper margin of the container from the body portion thereof, and additional spaced scorings around said body portion of the container and crossing said overlapping margin to permit the size of the cup to be reduced by starting to tear away a portion of said cup starting at the overlapping margin thereof and following said scorings.

2. A dispenser comprising a container having a plurality of spaced scorings thereon, of a closure for said container above a plurality of grouped scorings formed in said container above said spaced scorings.

3. A dispenser comprising a capped container having a plurality of scorings thereon arranged closely adjacent one another near the upper end of the container, and a plurality of separated scorings permitting the container to be opened and reduced in size by tearing off portions thereof along said scorings.

4. A dispenser comprising a container, and a cap for closing the same, said container having a group of closely associated scorings therein directly below the cap permitting the upper end of the container together with said cap to be removed from the container.

5. A dispenser comprising a container, a cap seated therein, said container having a group of adjacently disposed scorings therein at a point adjacent the cap to permit the cap and the upper margin of the container to be removed, said container also having a plurality of spaced scorings around the container below the cap to permit the size of the container to be reduced after the removal of the upper margin and said cap.

In testimony whereof I have hereunto subscribed my name at Chicago, Cook County, Illinois.

CESARE BARBIERI.