May 23, 1933. A. NOVICK 1,910,178

SANITARY DRINKING CUP

Filed March 18, 1930

Fig. 1.

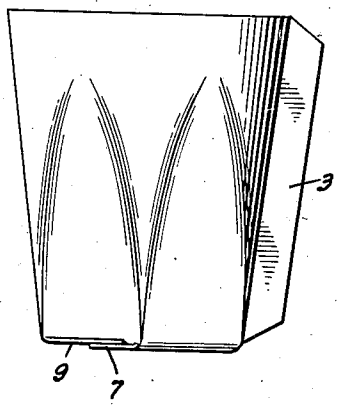


Fig. 2.

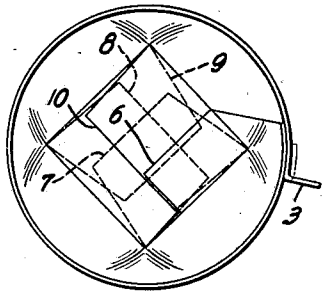


Fig. 3.

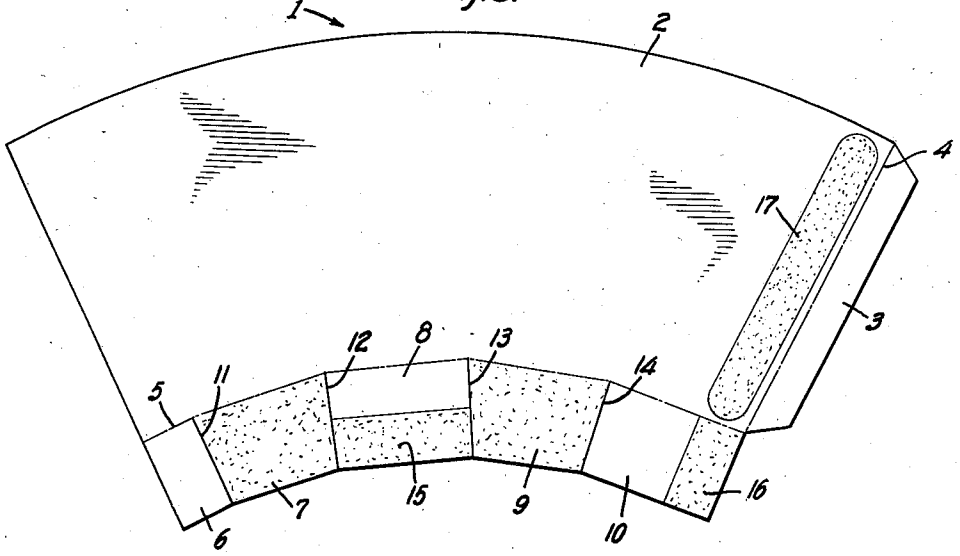
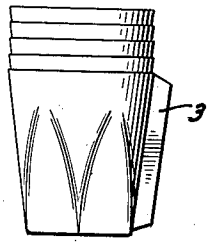


Fig. 4.



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UNITED STATES PATENT OFFICE

ABRAHAM NOVICK, OF FLUSHING, NEW YORK, ASSIGNOR, BY MESNE ASSIGNMENTS, TO UNITED STATES ENVELOPE COMPANY, OF WORCESTER, MASSACHUSETTS, A CORPORATION OF MAINE

SANITARY DRINKING CUP

Application filed March 18, 1930. Serial No. 436,679.

This invention relates to sanitary drinking cups made of paper or the like which are adapted to be used once and thrown away.

It is an object of the invention to provide a one-piece cup of the kind referred to with a tab extending along one of its sides which may be seized for withdrawing it from the bottom of a stack.

It is a further object to provide a one-piece cup having a substantial volumetric capacity in proportion to the area of the paper blank required for making it and which may be made by a rapid and economical process.

Other objects and advantages will hereinafter appear.

In the drawing forming part of this specification:

Figure 1 is a view in elevation of a cup embodying features of the present invention,

Figure 2 is a plan view of the cup of Figure 1,

Figure 3 is a cut, and gummed blank as it appears preparatory to the folding operation, and

Figure 4 is a view on a reduced scale of a stack of cups like that of Figures 1 and 2.

The cup blank 1 as illustrated in Figure 3 may be regarded as comprising a body portion 2 separated from a tap portion 3 by a line 4. The blank may also be considered as divided along the line 5 to separate the body portion from bottom tabs 6, 7, 8, 9 and 10. The lines 4 and 5 are purely imaginary, however, prior to the folding of the blank and are referred to at this point only to facilitate the ensuing description. The blank is slit along lines 11, 12, 13 and 14 to divide each of tabs 6, 7, 8, 9 and 10 from its neighbors. Adhesive is applied to the entire inner faces of the flaps 7 and 9, to the area 15 of flap 8, to the area 16 of flap 10 and to the area 17 of the body portion 2.

The blank as thus prepared is placed upon a former which is of generally conical form but which changes from a circular cross section in the larger portion to a square cross section at the smallest portion thereof. The body portion of the blank is then wrapped around the former so that the longitudinal margins of the blank overlap and are held together by the adhesive 17. The adhesive 16 also overlaps the flap 6 and thereby secures the flap 10 to the flap 6. The flap 10 with the flap 6 covering the adhesive area 16 is next folded in against the bottom of the former. The flap 8 is then folded in against the bottom of the former, the adhesive area 15 being brought against the outer face of the flap 10. The flaps 7 and 9 are next folded in successively, it being immaterial in which order they are folded. As illustrated herein, however, the flap 9 is folded in first and then the flap 7 is folded in to complete the cup.

It will be seen that the tab 3 overlies the outer face of the cup but is unattached thereto and that it may readily be turned out to a position like that shown in Figure 1 and used both for pulling the cup from the stack and to serve as a handle.

I desire it to be understood that various departures from the specific embodiment described in detail will occur to those skilled in the art without, however, such departures violating the spirit of my invention nor departing from the scope of the appended claim.

I claim:

A one-piece sanitary drinking cup having a tapering body portion, a flat polygonal base and a combined handle and pull flap extending throughout substantially the entire length of the body portion, and substantially in line with a vertex of the base.

In testimony whereof I have affixed my signature to this specification.

ABRAHAM NOVICK.