

S. M. MAYER.
POCKET DRINKING CUP.
APPLICATION FILED APR. 17, 1920.

1,356,995.

Patented Oct. 26, 1920.

Fig. 1.

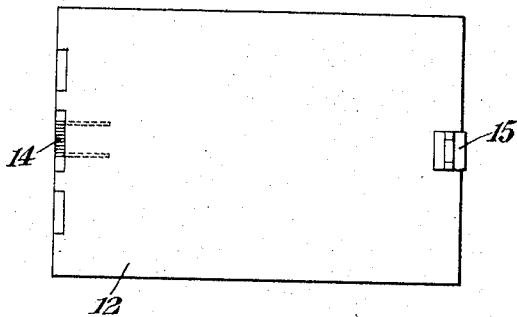


Fig. 2.



Fig. 3.

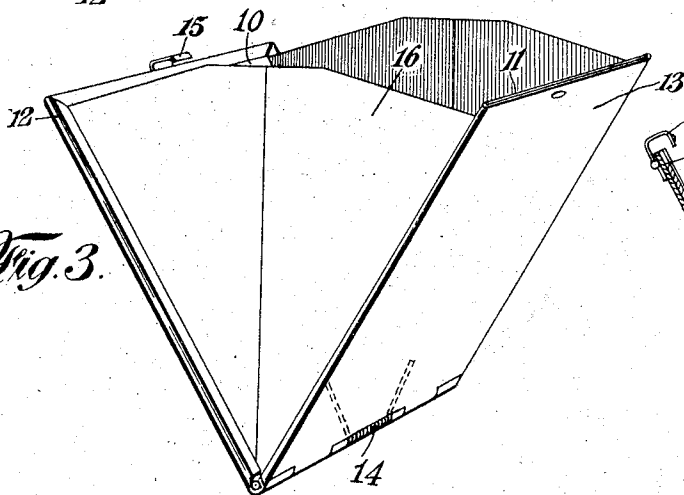


Fig. 4.

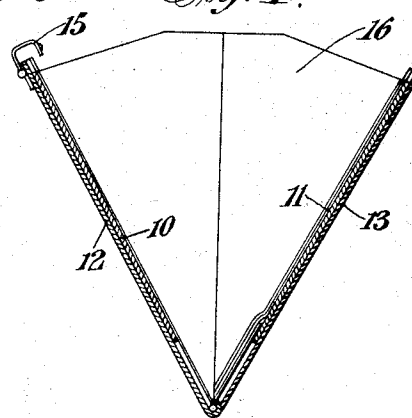
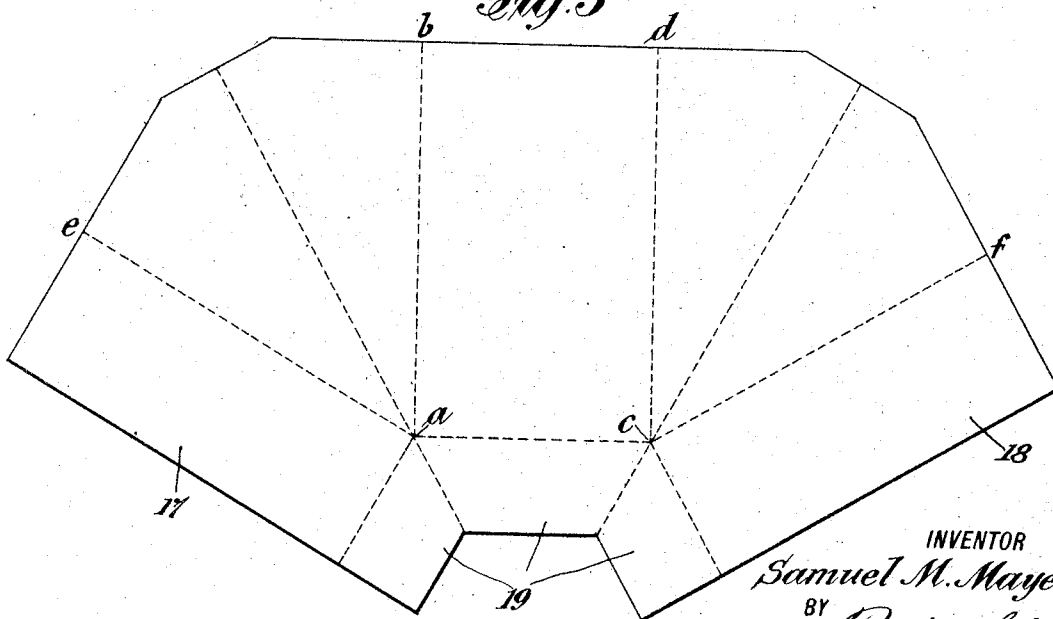


Fig. 5.



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POCKET DRINKING-CUP.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, SAMUEL M. MAYER, a citizen of the United States, and a resident of Long Island, New York, in the county of Nassau and State of New York, have invented certain new and useful Improvements in Pocket Drinking-Cups, of which the following is a specification.

The invention relates to a pocket drinking cup which may be composed partly of reinforcing material and partly of flexible, waterproof material.

It has for its object to provide a simple and inexpensive drinking cup which may be collapsed to flat form. The cup is preferably composed of suitable impervious material which may be properly reinforced by card-board, metal or other suitable material but so arranged that the contents thereof need not come in contact therewith, the design being such as to securely retain and protect the flexible material comprising the cup proper.

A further object of the invention consists in means to prevent the collapse of the cup when in use, said means serving at the same time to open the cup to its full extent when released. A still further object of the invention consists in providing a cup which may close in such manner as to prevent the entrance of dirt or other foreign material; and, when closed, to adequately protect the interior flexible material portion. The improved cup is simple, substantial and may be manufactured at low cost, is efficient in use and, being in flat form, is conveniently carried in a pocket when not in use. A still further object of the invention is to provide a construction which will admit of convenient and ready replacement of the impervious, cup-forming material.

In the accompanying drawings which illustrate the invention—

Figure 1 is a plan view of the cup in closed condition.

Fig. 2 is an edgewise view thereof.

Fig. 3 is a perspective view showing the cup in open position ready for use.

Fig. 4 is a vertical section through the cup in opened condition.

Fig. 5 is a development of the blank forming the cup proper.

Similar characters of reference designate corresponding parts throughout the several views.

Referring to the drawings, the novel cup

is shown as composed of a cup-forming member constructed from a blank cut and formed, for example as indicated in Fig. 5, in manner hereinafter set forth and preferably backed and reinforced in whole or in part by two metal or card-board reinforcing slide members 10 and 11. For example, the edges of the reinforcing members, when metal is employed, may be turned inwardly over the edges of the cup material to securely hold said material; or when card-board or the like material is employed, the same may be secured thereto as by an adhesive. The cup forming member is designed to be further retained, if desired, between corresponding covers 12 and 13 of substantial material and which are hingedly secured along the bottom edge and arranged to be distended by means of a spring 14. At the upper edges, the hinged members may be secured as by means of a clasp 15 attached to one of the reinforcing members and adapted to fit over the top edge of the other. For the purpose of removably receiving said members 10 and 11, the covers may in whole or in part be turned over along their longitudinal edges to afford suitable guides or ways.

The blank, cut as shown in Fig. 5, is designed to be made up into a liquid-tight receptacle 16 which is arranged to be backed in any suitable manner by the respective members 10 and 11 and securely held thereby.

To this end, the blank is creased as indicated by the broken lines, Fig. 5, and is then folded longitudinally along the lines *a-b*, *c-d* and *a-e*, *c-f* and transversely along the line *a-c*, the end flaps 17, 18 being suitably secured to each other as by an adhesive; and, similarly, the upturned bottom flaps 19 are secured to the overlapping flaps 17, 18.

In this manner a simple form of blank is utilized to provide a suitable angularly formed container for liquid. The material composing the container may be of any suitable paper or cloth material rendered impervious as by oiling or paraffin, or in any other suitable manner. The cup 16 thus provided is readily inserted into the hinged receptacle formed by the covers 12 and 13, by partly closing the latter, as in pressing same together, and then sliding the cup 16, with or without suitable backing, into guideways provided as by turning over the longitudinal edges of said covers.

When the clasp 15 is released, spring 14 will automatically serve to distend the cup, making it suitable for receiving liquid; and when it is desired to fold up the cup, this
 5 may be readily accomplished by simply exerting pressure upon the covers, the inner cup member closing more or less as a bellows. By then securing the clasp 15 over the cooperating upper edge of the wall 13,
 10 the cup is retained in flat folded form as shown in Fig. 2, the covers being maintained substantially in parallel relationship and adequately protecting the interior and flexible portion of the cup proper, as well as
 15 providing against the entrance of dirt thereto. The edges of the cup may be more or less rounded to provide a smoothly finished article which can be conveniently carried in the pocket.

20 The catch at the top has been so arranged that in holding the cup in its natural position in the hand one can, by a slight movement of the thumb upwardly, release the catch and open the cup. This allows freedom of the other hand to open a faucet, etc.
 25 The cup can likewise, be closed by squeezing together and dropping the catch in place.

I claim:

1. A hinged enveloping contrivance adapt-

ed to detachably secure a flexible container, 30 comprising two flat members hingedly secured at the bottom, and means to lock the members to each other, said members having suitable vertically directed guideways into which the said flexible container is 35 adapted to slide.

2. A hinged enveloping contrivance adapted to detachably secure a flexible container, comprising two flat members hingedly secured at the bottom, and means to lock the 40 members to each other, said members being adapted to slidably receive reinforcing members secured to the ends of the flexible container.

3. A hinged enveloping contrivance adapted to detachably secure a flexible container, comprising two flat members hingedly secured at the bottom, and means to lock the 45 members to each other, said members having their vertical edges turned inwardly 50 to provide guideways into which the ends of the said flexible container are adapted to slide, and a spring tending to separate the members at the top.

Signed at New York in the county of 55 New York and State of New York this 29th day of March, A. D. 1920.

SAMUEL M. MAYER.