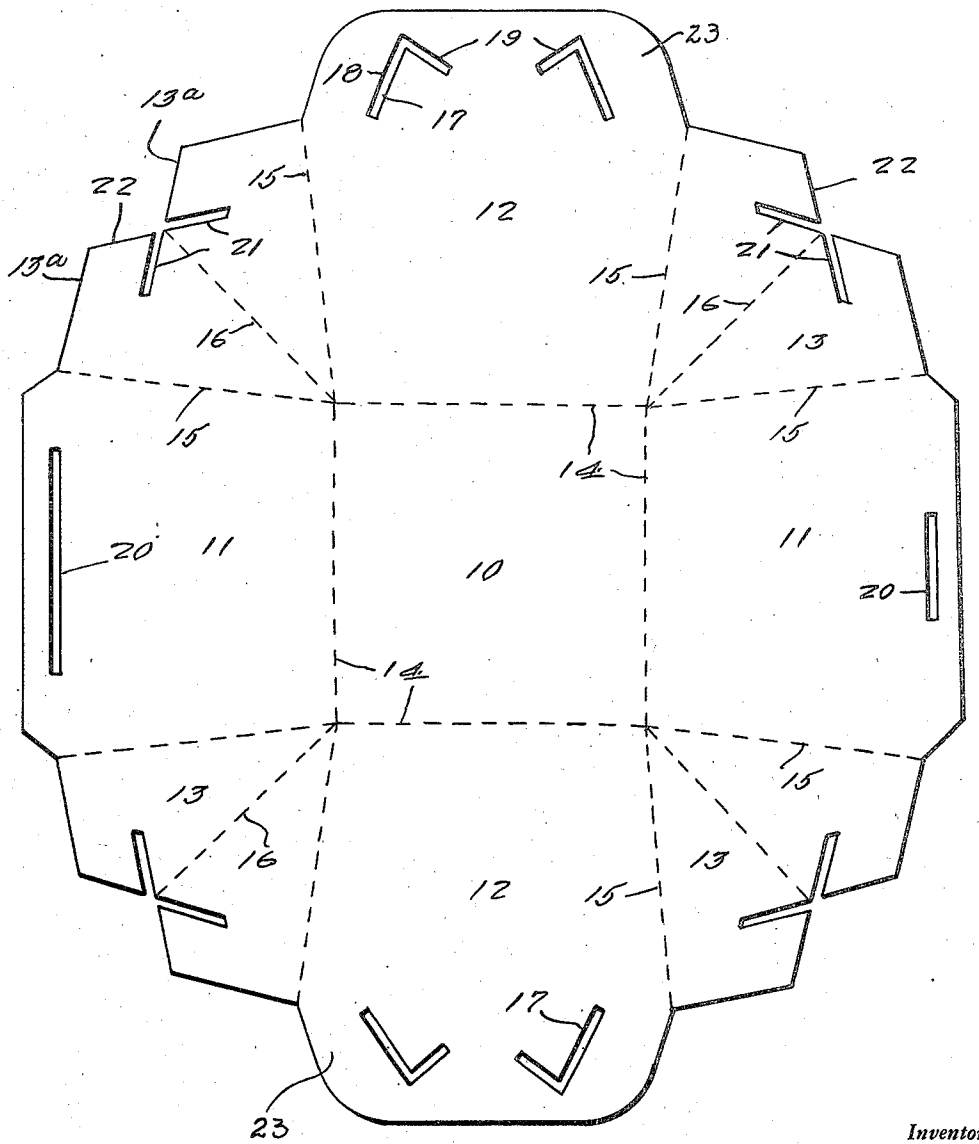
April 30, 1946. P. J. SCHOENBERGER 2,399,604

RECEPTACLE

Filed Sept. 20, 1944 2 Sheets-Sheet 1

Fig. 1.



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RECEPTACLE

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Fig. 2.

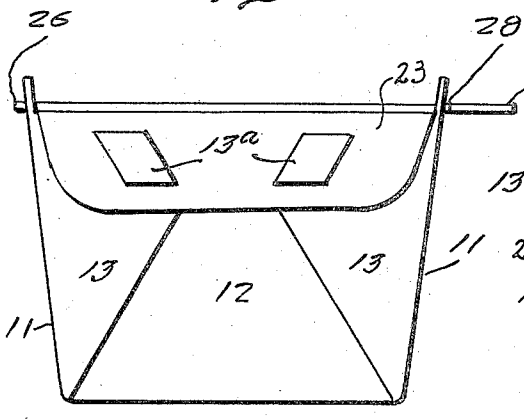


Fig. 3.

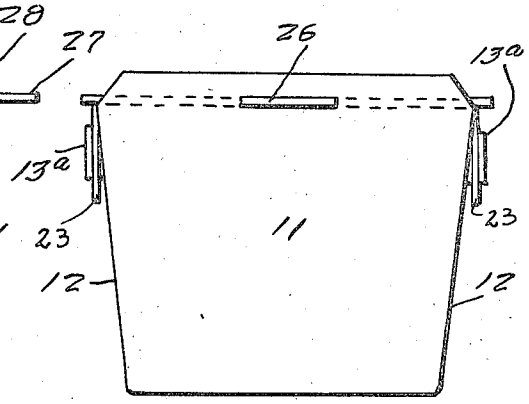


Fig. 5.

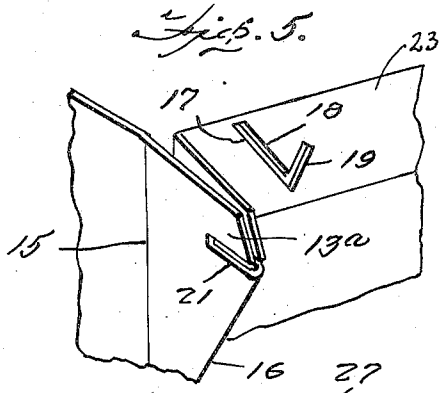
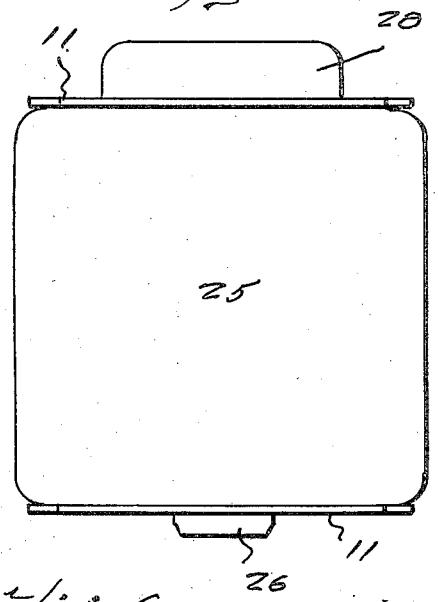


Fig. 4.



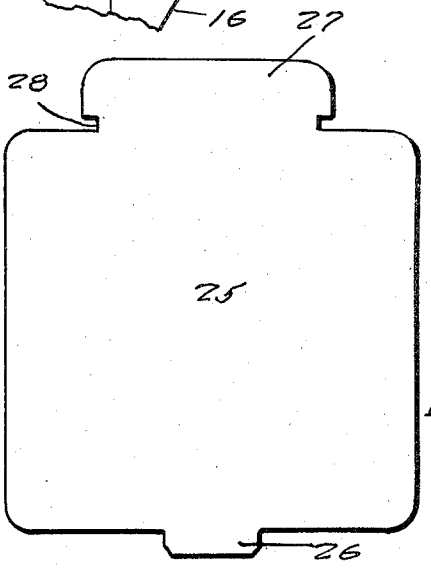


Fig. 6.

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UNITED STATES PATENT OFFICE

2,399,604

RECEPTACLE

Philip J. Schoenberger, West St. Paul, Minn.

Application September 20, 1944, Serial No. 554,968

1 Claim. (Cl. 229—25)

This invention relates to a receptacle, and more particularly to such a receptacle adapted to be utilized as a sputum cup.

A primary object of this invention is the provision of an improved sputum cup, adapted to be formed from a single blank of cardboard or the like, to provide a sanitary, easily destroyed, relatively leak-proof receptacle of such character.

An additional object is the provision of such a device which may be readily and simply molded from a flat blank of material.

Still another object is the provision of such a receptacle provided with a cover which may be securely affixed thereto, in such manner that upsetting of the receptacle will not result in the spilling of the contents.

Other objects will in part be obvious, and in part be pointed out as the description of the invention proceeds, and disclosed in the accompanying drawings, wherein there is shown a preferred embodiment of this inventive concept.

In the drawings:

Figure 1 is a plan view of the blank from which the receptacle is adapted to be formed.

Figure 2 is a side elevational view of the formed receptacle, showing the cover member in place.

Figure 3 is an end elevational view of the device as shown in Figure 2.

Figure 4 is a top plan view of the receptacle having the cover in position thereon.

Figure 5 is a fragmentary perspective detail view, showing the method of assembly of the device, and

Figure 6 is a top plan view of the cover of the receptacle.

Like reference characters refer to like parts throughout the several views of the drawings.

Having reference now to the drawings, and more particularly to Figure 1, the blank from which the receptacle is formed is comprised of a single sheet of material, which may be defined as comprised of a base or bottom wall portion **10**, end wall portions **11**, side wall portions **12**, and corner portions **13**. Fold lines **14** are formed between the base portion and the side and end portions, and additional fold lines **15** are formed between the side and end portions, and corner portions **13**. Each of corner portions **13** is also provided with a diagonally disposed fold line **16** extending between the fold line **15** between the corner portions and the adjacent side and end wall portions.

Each of end wall portions **12** is provided with two diagonally disposed slots **17** formed of two cuts **18** and **19** disposed at an acute angle to each other. Each of end wall portions **11** is provided with a transverse slot **20**, the slot **20** in one of the end wall portions being of greater length than that in the other, for a purpose to be described hereinafter. Each of corner portions **13** is provided with two angularly disposed cuts **21**, extending to the exterior of the blank, and terminating at the apex of a triangular cut-away portion **22**.

In the formation of the device, the end walls **11** and **12** are bent upwardly along the fold lines **14**, and the corner portions **13** are bent inwardly with respect thereto, being bent inwardly with respect to the fold lines **15**, and outwardly with respect to the fold lines **16**, as best shown in Figure 5. After the folds have been completed, the projecting portions **13a**, formed above the slots **21**, form tabs, the slots **21** now being in alignment, which tabs are adapted to be passed outwardly through and engaged in slots **17**. It will be noted that the outer or upper ends of the end portions **11** which have the slots **20**, project outwardly or upwardly beyond the corner portions **13**. The same is true of the outer or upper ends of the side portions **12** provided with slots **17**, said outer or upper ends forming flaps **23** folded outwardly and downwardly adjacent the side portions **12** and overlying the upper parts of the folded corner portions **13** which are folded onto the side portions **12**.

Thus, it will be seen that when the article is folded in the manner just described, a fluid-tight, securely fastened receptacle is provided.

A cover member is also provided for the device, the cover member taking the form of a rectangular blank **25** of a dimension adapted completely to cover the top of the receptacle, and provided at its opposite extremities with two tabs **26** and **27**, tab **27** being provided with slots or recesses **28** adjacent its point of juncture with the cover member **25**. When the cover is placed on the receptacle, the tab **26** is adapted to engage in the shorter of slots **20**, while the tab **27** is passed through the longer slot **20** in the side wall **11**, and the grooves **28** serve to engage the edges or extremities of the slots to hold the parts securely in related assembly.

From the foregoing it will be seen that there is herein provided a receptacle accomplishing all the objects of this invention and others, including many advantages of great practical utility.

As many embodiments may be made of this inventive concept, and as many modifications may be made in the embodiment hereinbefore shown and described, it is to be understood that

all matter herein is to be interpreted merely as illustrative and not in a limiting sense.

I claim:

A receptacle comprising a bottom and side and end walls integrally connected to the bottom, and diagonally foldable corner portions integrally connected to the side and end walls and folded onto the side walls, said corner portions having angularly related tabs facing toward each other on opposite sides of their diagonal folding line, said tabs lying side by side and providing pairs of tabs projecting toward each other at the outer side of each side wall, the upper ends of said side walls projecting beyond the corner portions to provide flaps folded outwardly and downwardly to overlie the upper parts of said corner portions, said flaps having angular slots in the ends thereof which embody upwardly diverging portions, said pairs of tabs being passed outwardly through said angular slots.

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