J. L. MURPHY.

PAPER BOTTLE.

APPLICATION FILED DEC. 28, 1916.

1,257,628. Patented Feb. 26, 1918.

Fig. 1.

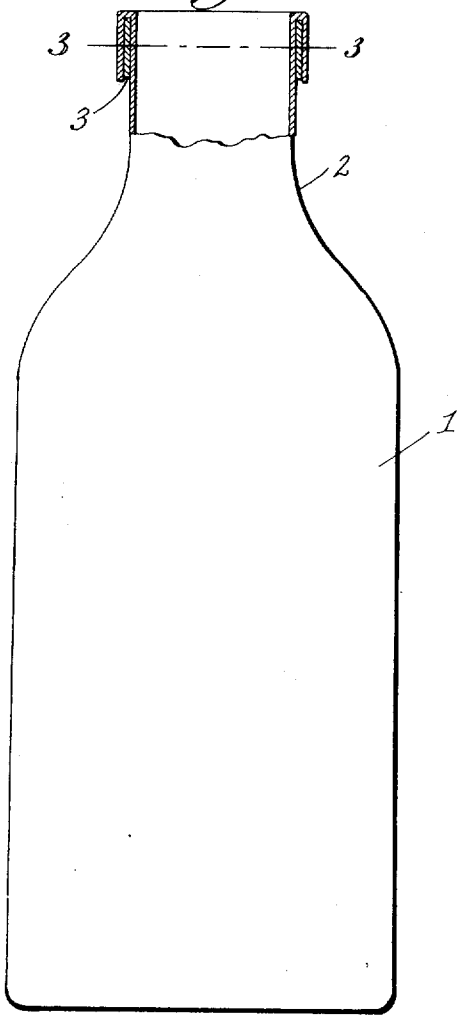


Fig. 2.

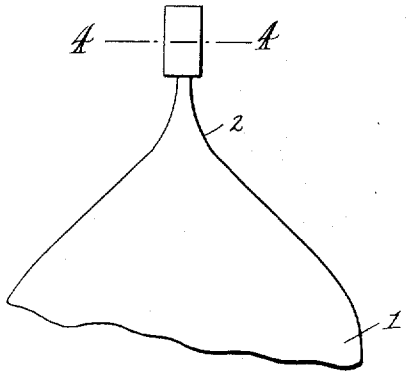


Fig. 3.

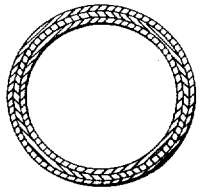


Fig. 4.

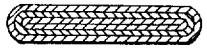


Fig. 5.

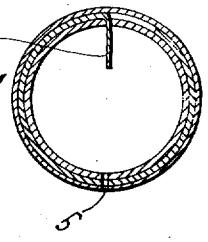
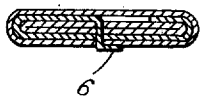


Fig. 6.



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Witnesses

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UNITED STATES PATENT OFFICE.

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PAPER BOTTLE.

1,257,628. Specification of Letters Patent. Patented Feb. 26, 1918.

Application filed December 28, 1916. Serial No. 139,329.

To all whom it may concern:

Be it known that I, JAMES L. MURPHY, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented a new and useful Paper Bottle, of which the following is a specification.

This invention relates to paper bottles, one of its objects being to provide a container, the mouth portion of which is provided with a bendable metallic clip which ordinarily serves to hold the mouth in an open position, but which can be compressed so as to hold the mouth of the bottle closed or collapsed, thus to retain the contents of the bottle.

Another object is to provide a structure of this character which is simple and efficient in construction and which permits the use of ordinary bottle caps or the like to be dispensed with.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, can be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings the preferred form of the invention has been shown.

In said drawings:—

Figure 1 is a view partly in elevation and partly in section of a bottle embodying the present improvements.

Fig. 2 is an elevation of the upper portion thereof and showing the mouth portion of the bottle collapsed or closed.

Fig. 3 is a section on line 3—3 Fig. 1.

Fig. 4 is a section on line 4—4 Fig. 2.

Fig. 5 is a view similar to Fig. 3 but showing a slightly modified construction.

Fig. 6 is a section through the modified structure shown in Fig. 5 and showing the mouth portion of the bottle collapsed or closed.

Referring to the figures by characters of reference 1 designates a paper container of any desired configuration but preferably formed with a reduced neck portion 2 the mouth of which is surrounded by a metal ring 3. The paper forming the neck portion of the bottle is bent outwardly and downwardly about the ring 3 as shown particularly in Fig. 1 so as thus to conceal said ring. The ring is formed of a metal which is sufficiently stiff to hold the mouth portion of the container open under ordinary conditions. After the container has been filled and it is desired to seal the same, the mouth portion of said container is flattened by bending the ring. The ring is of such material that after it has been thus flattened or bent, it will not open out and, consequently, the opposed portions of the wall of the mouth of the container will be held tightly together and the escape of any portion of the contents of the container is prevented.

Should the container hold a material likely to ferment, a ring such as shown in Figs. 5 and 6 should be used. This ring is similar to the ring 3 with the exception that it has a prong 4 struck therefrom and extending inwardly into the neck of the bottle. An opening 5 is formed in the bottle neck and ring diametrically opposite the prong and when the neck is flattened for the purpose of sealing the container, this prong will pass into the opening 5 and can then be bent back as shown at 6 in Fig. 6, thereby to hold the opposed portions of the flattened neck tightly together so that they will not spread apart.

What is claimed is:—

A paper container having a bendable substantially non-elastic metal ring extending around the mouth portion thereof for holding said mouth portion normally open, said ring, when flattened, constituting means for holding opposed portion of the end of the mouth in contact, thereby to seal the container.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JAMES L. MURPHY.

Witnesses:
H. W. HANSON,
F. A. WEHR.