

(No Model.)

H. F. BANNARD.
PAPER BOTTLE.

No. 423,114.

Patented Mar. 11, 1890.

Fig. 1

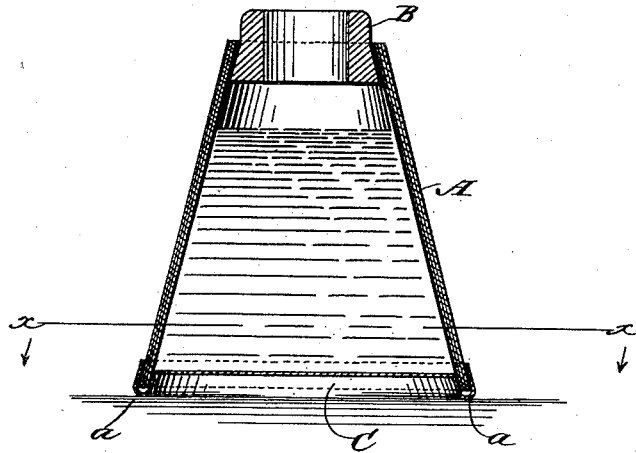


Fig. 2

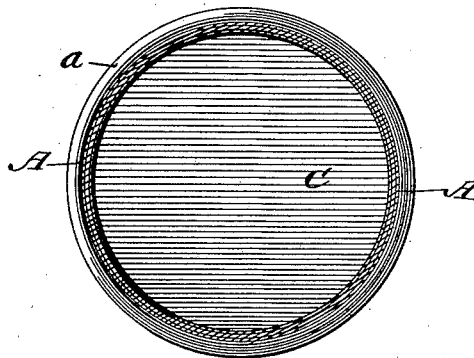
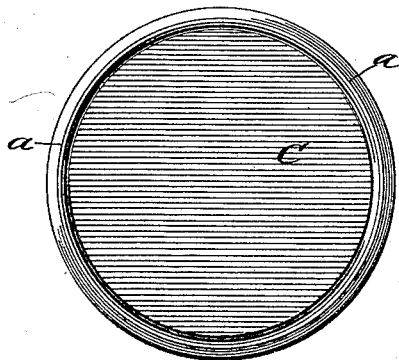


Fig. 3.



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PAPER BOTTLE.

SPECIFICATION forming part of Letters Patent No. 423,114, dated March 11, 1890.

Application filed November 20, 1889. Serial No. 331,004. (No model.)

To all whom it may concern:

Be it known that I, HUBBARD F. BANNARD, of Nashville, in the county of Davidson and State of Tennessee, have invented a new and
5 Improved Bottle, of which the following is a full, clear, and exact description.

My invention relates especially to that class of bottles that are used for ink and mucilage; but the bottle embodying my invention may
10 also be used for other purposes.

The object of my invention is to provide a convenient, strong, durable, and cheap bottle for holding ink and other liquids.

To this end my invention consists in the
15 construction and arrangement of parts hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.
20 Figure 1 is a vertical section of the entire bottle. Fig. 2 is a cross-section of the same on the line $x x$ of Fig. 1, and Fig. 3 is a view of the bottom of the same.

25 My invention comprises but three pieces, the body A, the nozzle B, and the bottom C.

The body A is of paper, and is formed over a mold of the desired shape, which may be done by hand or by machinery. The paper
30 should be of sufficient thickness to give the desired strength to the cone, and the inside is coated with some of the many preparations that will make it impervious to liquids.

The nozzle B is made preferably of wood,
35 as it is light and cheap; but it may be made of any suitable material. It is conical in shape, but may be of any suitable shape, and fits tightly into the mouth of the body portion A of the bottle, and is fastened by glue or in
40 any suitable manner.

The bottom C is stamped out of sheet metal, and in stamping the metal an annular groove a is formed around the edge of the bottom plate, into which the bottom of the conical
45 body A fits.

To put the parts together, the nozzle B is

first inserted and fastened in position, as above described. The body A is then placed in the annular groove a and the sides of the groove closed over upon the body A. Owing to the
50 conical form of the bottle-body A, when the sides of the groove a are closed upon it, it will make a dovetail joint, thus firmly attaching the body A and bottom C together.

From the foregoing description it will be seen that the bottle embodying my invention
55 can be very cheaply made, it will be durable, and its conical shape will make it very strong, and will also enable it to rest firmly upon its base, so as not to be easily tipped over.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. As a new article of manufacture, a bottle having a conical body provided with a
65 bottom and a tubular nozzle having a conical exterior portion fitting the smaller end of the body, substantially as set forth.

2. As a new article of manufacture, a conical bottle having its bottom formed with an
70 annular groove shaped to correspond to the conical walls of the body, both walls of the groove fitting tightly against the inner and outer sides of the lower edge of the body and securing the bottom in place, substantially as
75 set forth.

3. As a new article of manufacture, a bottle consisting in a conical body A, a tubular nozzle B, inserted through the larger end of the body and having an external conical
80 portion fitting the smaller end of the body, and the bottom C, having an annular groove a , inclined to correspond to the conical body, the inner and outer walls of the groove being parallel and fitting closely against the corre-
85 sponding walls of the body at the larger end thereof, substantially as set forth.

HUBBARD F. BANNARD.

Witnesses:

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