No. 768,440. PATENTED AUG. 23, 1904.

W. B. FENN.

SECTIONAL GLASS VESSEL.

APPLICATION FILED DEC. 23, 1902.

NO MODEL.

Fig. 1

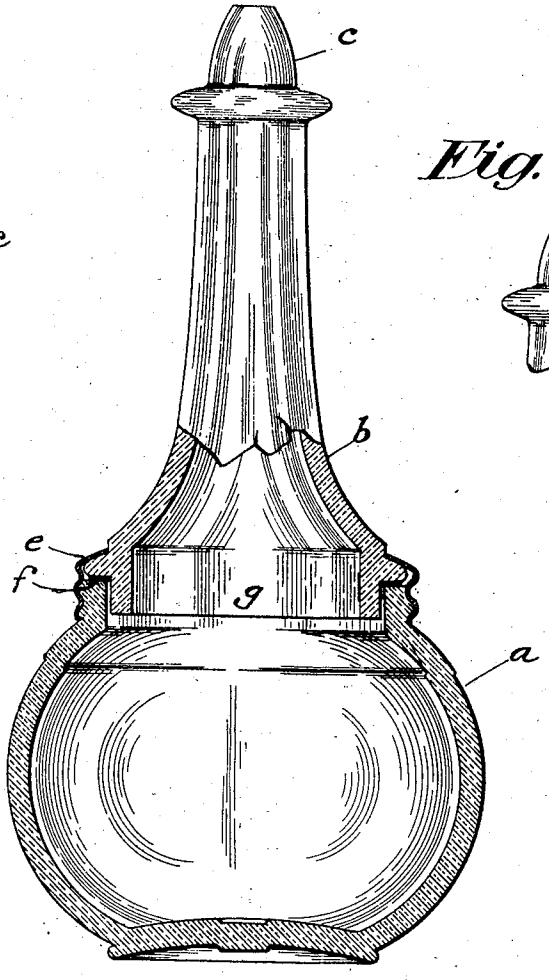


Fig. 2

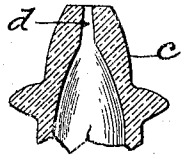
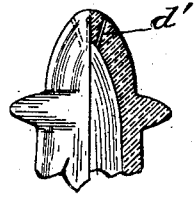


Fig. 3



Witness:
Chas. H. Ebert
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Inventor;
William B. Fenn,
By Paul Symmestedt
Atty.

No. 768,440. Patented August 23, 1904.

UNITED STATES PATENT OFFICE.

WILLIAM B. FENN, OF WASHINGTON, PENNSYLVANIA.

SECTIONAL GLASS VESSEL.

SPECIFICATION forming part of Letters Patent No. 768,440, dated August 23, 1904.

Application filed December 23, 1902. Serial No. 136,415. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM B. FENN, a citizen of the United States of America, and a resident of Washington, in the county of Washington and State of Pennsylvania, have invented a certain new and useful Sectional Glass Vessel, of which the following is a specification.

My invention relates particularly to the form of vessels for containing liquids which are practically closed and have small squirt orifices, or spraying openings, for discharging the liquid in small quantities. The principal object of my invention is to provide a vessel of this kind which may have an integral top or discharge end, and yet have convenient means for filling the vessel. Another object is to allow of convenient manufacture of the article, and convenient access to the entire inside of the vessel for purposes of cleaning, &c. These objects, as well as other advantages which will hereinafter appear, I attain by the form and arrangement of parts which I illustrate in the accompanying drawings, in which—

Figure 1 is a partial sectional view of a vessel illustrating my invention.

Figure 2 is a central section of the head or discharge end.

Figure 3 is a half section of a similar head illustrating a different form of discharge opening.

So far as I am aware it has been necessary in all closed vessels having a capillary or very small discharge orifice, to make the discharge end of the vessel in several parts, in order to provide for the filling of the vessel and for cleaning it. There are many advantages to be gained if the head of a bottle such as I have indicated can be molded or blown all in one integral piece; but of course this cannot be done unless the vessel is made in sections at some other point. I therefore provide a body portion *a* and a top portion *b*, which has a neck and what may be called a head *c*, through which is made a small orifice *d*, or several spray openings as *d'* in Figure 3. An extension, or flange of the upper portion, as *g*, may telescope with the opening in the body portion *a*, it being indifferent whether the same be inside or outside. At some point, as in the position shown in the drawing, a packing ring of some such material as rubber is provided, and the two parts of the bottle are held fast together by means of a metal ring *e*, which may be screwed in place on the body *a* to compress the packing *f*, or obviously any other attachment, such as the well known bayonet joint, could be used.

By using the two-part vessel as I have indicated, the parts may be of a shape which renders the blowing of the glass unneccessary and it can be made in a press mold. It is not necessary for the male part of the mold to extend entirely through the passage *d*, since this may be opened afterward by slight grinding on the top of the nozzle.

I am aware that bottles have heretofore been made in two pieces joined together with rings and packing, and I do not claim broadly such construction.

This invention is particularly adapted to vessels containing liquid which is used in very small quantities at a time, such as sauces, essences, tooth washes, &c. It is evident that the invention is not limited to any particular material of which to make the vessel, nor to any particular form of vessel, and it might well be used in various atomizers or pepper boxes, and many other articles that will readily occur to a skilled manufacturer.

But having thus described my invention and some of its uses, what I claim, and desire to secure by Letters Patent, is the following:

1. A two-part bottle composed of a body and flared-mouthed neck portion having means for sealing together the two parts thereof, the upper part being provided with a tapering neck ending in a head formed integrally therewith and having therethrough a small squirt orifice, substantially as described.

2. A vessel comprising a relatively large body portion with an open top, an open top

portion to fit thereon and means for fastening the two parts together, the top portion having a long extended neck with a head formed integrally thereon, and said head being provided with a small capillary orifice therethrough, substantially as described.

In testimony whereof I have hereunto signed my name in the presence of the two subscribed witnesses.

WILLIAM B. FENN.

Witnesses:
JOHN W. McDOWELL,
JAS. W. McDOWELL.