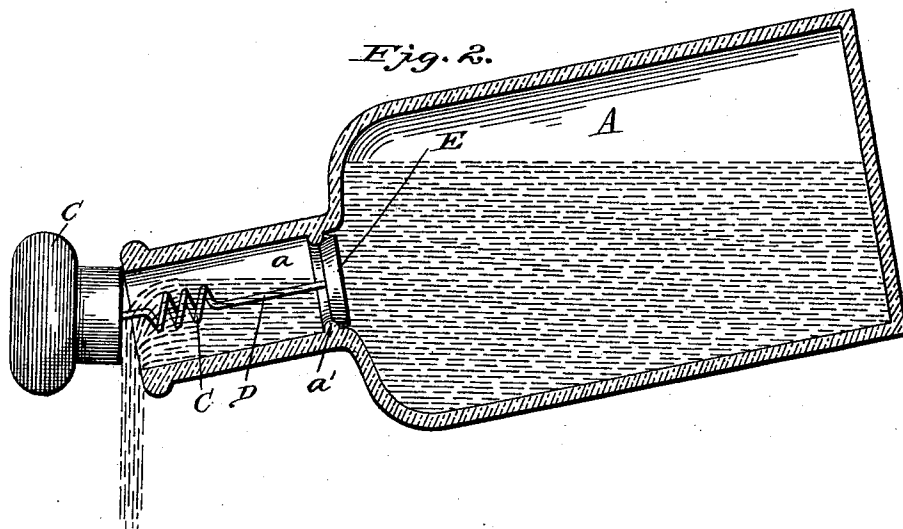
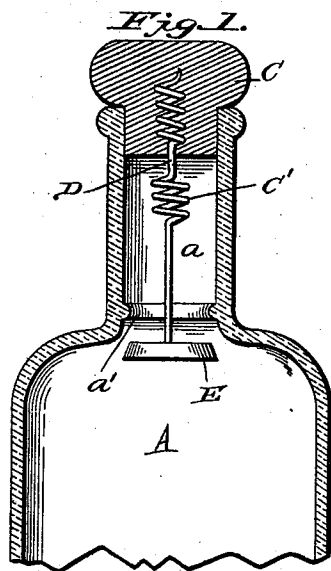


(No Model.)

H. MEINS.
BOTTLE.

No. 564,209.

Patented July 21, 1896.



Witnesses
Edwin G. Lee
H. A. Nave

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UNITED STATES PATENT OFFICE.

HENRY MEINS, OF QUINCY, ILLINOIS.

BOTTLE.

SPECIFICATION forming part of Letters Patent No. 564,209, dated July 21, 1896.

Application filed January 27, 1896. Serial No. 576,984. (No model.)

To all whom it may concern:

Be it known that I, HENRY MEINS, a citizen of the United States, residing at Quincy, in the county of Adams and State of Illinois, have invented certain new and useful Improvements in Bottles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to certain new and useful improvements in bottles, designed primarily for a medicine-bottle, and having provision for the withdrawal of a predetermined quantity of the medicine or other contents thereof. It has for its objects, among others, to provide a bottle with a stopper so constructed as to permit of the filling of the chamber in the neck, and then by withdrawal of the stopper closing communication between said chamber and the interior of the bottle and permitting of the discharge of the contents of the said chamber.

Other objects of the invention will hereinafter appear, and the novel features thereof will be particularly pointed out in the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a central vertical section showing my improvement. Fig. 2 is a central section showing the bottle tilted, the stopper being removed and the valve closed.

Like letters of reference indicate like parts in the two views.

Referring now to the details of the drawings by letter, A designates a bottle having a neck of any desired capacity, say a teaspoonful

or a tablespoonful, and at the lower end of the neck is formed a valve-seat *a'*.

C is a cork having a suitable projecting portion by which it may be readily removed, and into this cork is secured one end of a wire D, the other end of which carries a valve E, fitted to the cork C, the said wire having, preferably, between the valve and the cork a spring portion C'.

In practice, with the cork in position as seen in Fig. 1, the bottle being tilted, the liquid will flow into the chamber of the neck between the valve-seat and the cork, and then by withdrawing the cork so that the valve is closed against its seat the contents of the said chamber may be removed, as indicated in Fig. 2. The capacity of the chamber being known the amount of the dose is readily determined.

Modifications in detail may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages.

What is claimed as new is—

1. A bottle provided with a stopper, a wire connected therewith and having a spring portion, and a valve connected with the inner end of said wire, substantially as described.

2. A bottle having a neck with valve-seat, and a stopper, a wire having one end secured in said stopper and formed with a spring portion intermediate its ends, and a valve on the inner end of said wire and adapted to be seated against the valve-seat, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

HENRY MEINS.

Witnesses:

W. A. GRIFFIN,
W. H. BENNETT.