

A. J. FARMER.  
 MEANS FOR EXTRACTING THE CONTENTS OF BOTTLES.  
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920,121.

Patented May 4, 1909.

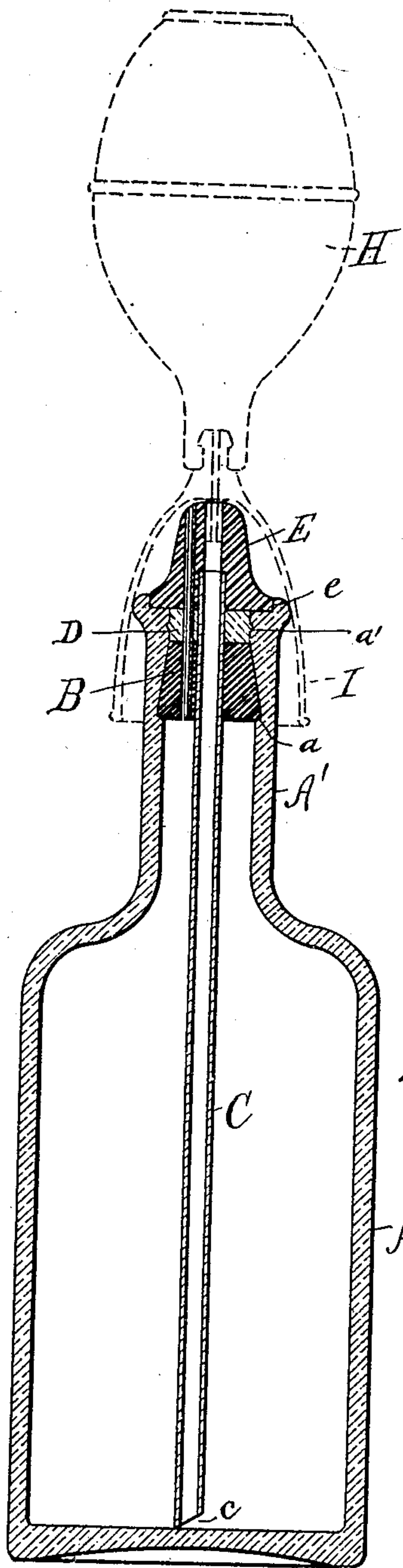


FIG. 1.

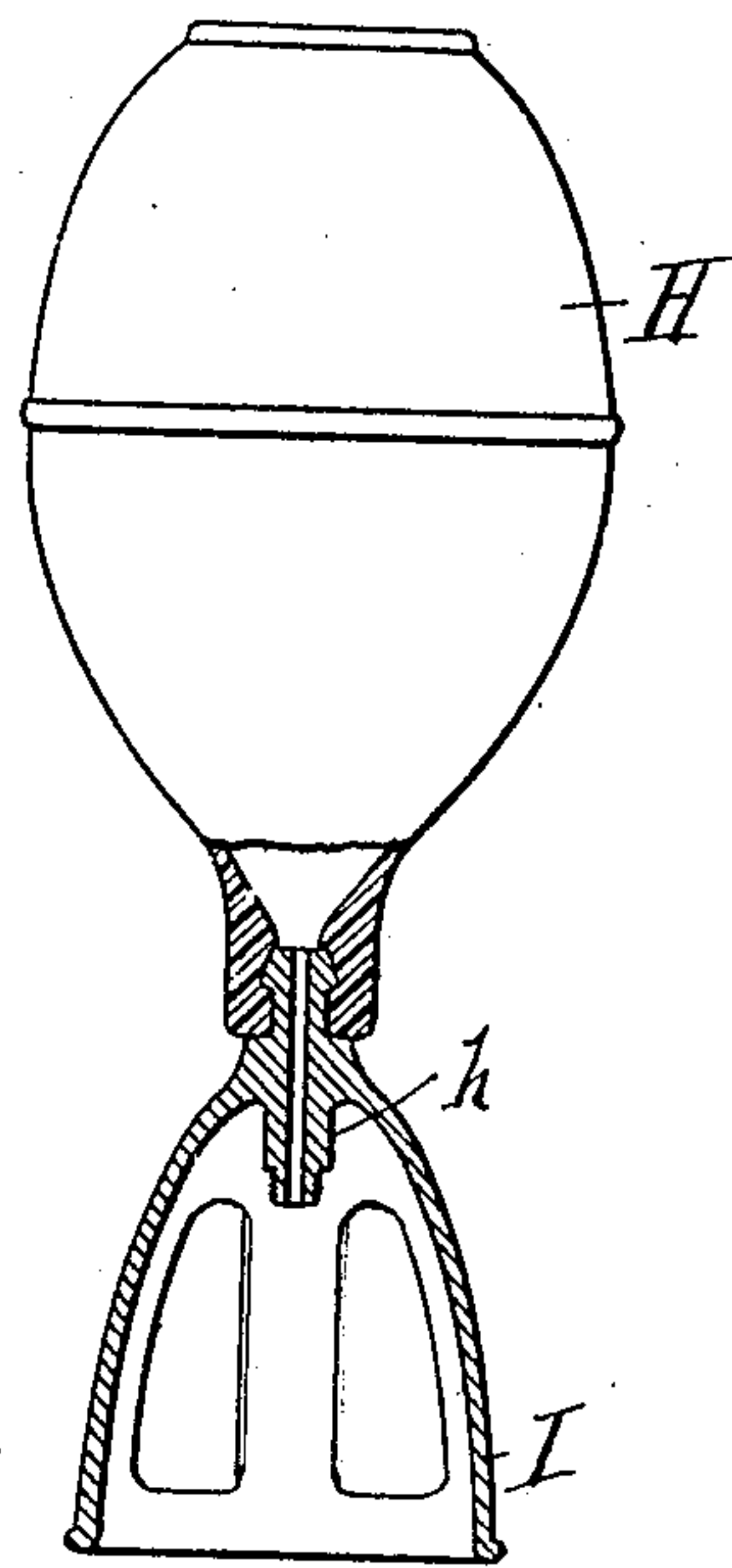


FIG. 2.

Witnesses

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# UNITED STATES PATENT OFFICE.

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## MEANS FOR EXTRACTING THE CONTENTS OF BOTTLES.

No. 920,121.

Specification of Letters Patent.

Patented May 4, 1909.

Application filed June 17, 1907. Serial No. 379,321.

*To all whom it may concern:*

Be it known that I, ARTHUR J. FARMER, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Means for Extracting the Contents of Bottles, and declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to an improvement in devices employed to extract the contents from bottles and other containers.

One object of the invention is to provide a device embodying such characteristics that the contents of a container may be transferred to another container without the loss of any of the liquid or the exposure of the same.

A still further object is to provide a device designed to extract a toilet or medical preparation from a container and transfer the liquid to a specially designed fountain comb or other instrument employed to discharge the preparation for the treatment of the scalp or other parts of the human body.

A still further object of the invention is to provide a device of the nature stated embodying a bulb, a nozzle and a combined guard and guide embracing the nozzle and projecting a relatively long distance beyond the discharge end of the nozzle, there being openings formed in the combined guard and guide so that the nozzle may be viewed through the combined guard and guide.

With the above and other objects in view, the present invention consists in the combination and arrangement of parts hereinafter more fully described, illustrated in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes may be made in the form, proportion, size and minor details without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings:—Figure 1 is a vertical sectional view through a peculiar form of container which, in this instance, is in the form of a bottle showing the comb bulb in dotted lines in position to extract the preparation.

Fig. 2 is a view of my invention partly in elevation and partly in section.

Referring now more particularly to the accompanying drawings, the reference character A indicates a bottle provided with a neck A' which has an internal shoulder *a* for the support of the cork B. This cork B is provided with a central bore in which is supported a tube C, there being a rubber nipple E disposed over the upper end of the tube C and resting upon the neck of the bottle, as shown. If desired, there may be a seal of wax or cement D between the cork and the nipple. However, these parts, specifically form no part of the invention claimed in this case and are recited merely that the operation of the invention herein disclosed may be understood.

The invention consists in the rubber bulb H mounted on a relatively short projecting nozzle *h*, screw threaded at its outer end to engage the end of the tubular back of the comb, not shown. Embracing the nozzle *h* intermediate its ends and extending considerably beyond the outer end of the nozzle, is a combined guard and guide I, preferably perforated a portion of its length, so that the nozzle may be seen from the outside in order that the operator may guide the latter into engagement with the nipple E of the bottle or with the end of the tubular back of the comb, not shown.

When it is desired to charge a comb with the fluid, taken from the bottle A, the bulb with its nozzle is disconnected from the comb and the bulb collapsed by pressure of the hand. The nozzle *h* is then inserted in the rubber nipple E or other terminal of the bottle or container A, with the guard I embracing the neck of the bottle and thereby guiding the nipples into coöperative relation. The bulb is then permitted to assume its normal shape or condition, which action, as will be readily understood, serves to draw the fluid from the container A into the bulb. The nozzle *h* is then disconnected from the container A and engaged with the end of the back of the comb (not shown) and compressed, with the result of forcing the liquid into the comb which is then ready for use in applying the preparation to the scalp or other parts of the body.

What is claimed is:—

1. An instrument of the character de-



scribed comprising a bulb, a nozzle, and a combined guard and guide having connection with the nozzle and projecting a relatively long distance beyond the outer end of the latter.

2. An instrument of the character described comprising a bulb, a nozzle, and a combined guard and guide embracing the nozzle intermediate its ends and flaring outwardly and extending a relatively long distance beyond the outer end of the nozzle and provided with openings in its walls whereby the outer end of the nozzle may be seen by the operator to guide the instrument.

3. An instrument of the character described comprising a bulb, a nozzle, and a combined guard and guide flaring outwardly and projecting beyond the outer end of the nozzle.

4. The combination with a container, of a bulb, a nozzle, and a guard and guide embracing the nozzle and flaring outwardly and projecting beyond the outer end of the nozzle to embrace the upper end of the container to guide the nozzle into coöperative relation with the container.

5. In an instrument of the character described, a bulb, a nozzle, a combined guard and guide having connection with the nozzle and projecting a relatively long distance beyond the outer end of the latter, an extension for the nozzle, and means for connecting said extension and nozzle together.

6. The combination with a bottle including a neck, of an instrument for withdrawing

the contents of the bottle embodying a bulb, a nozzle, and a combined guard and guide embracing the nozzle and extending a relatively long distance beyond the free end of the latter to embrace the neck of the bottle to guide the nozzle into coöperative relation with the neck, said combined guard and guide having elongated openings therein whereby the outer end of the nozzle may be seen by the operator through the guard and guide as the instrument is being fitted to the bottle to withdraw the contents of the latter.

7. The combination with a bottle including a neck and a perforated stopper therefor, of an instrument for withdrawing the contents of the bottle through the perforated stopper embodying a bulb, a nozzle and a combined guard and guide embracing the nozzle and extending a relatively long distance beyond the free end of the latter to embrace the neck of the bottle to guide the nozzle into coöperative relation with the perforation in the stopper, said combined guard and guide having openings therein whereby the outer end of the nozzle may be seen by the operator through the guard and guide as the instrument is being disposed in coöperative relation with the bottle to withdraw the contents of the latter.

In testimony whereof, I sign this specification in the presence of two witnesses.

ARTHUR J. FARMER.

Witnesses:

SAMUEL E. THOMAS,  
GRACE E. WYNKOOP.