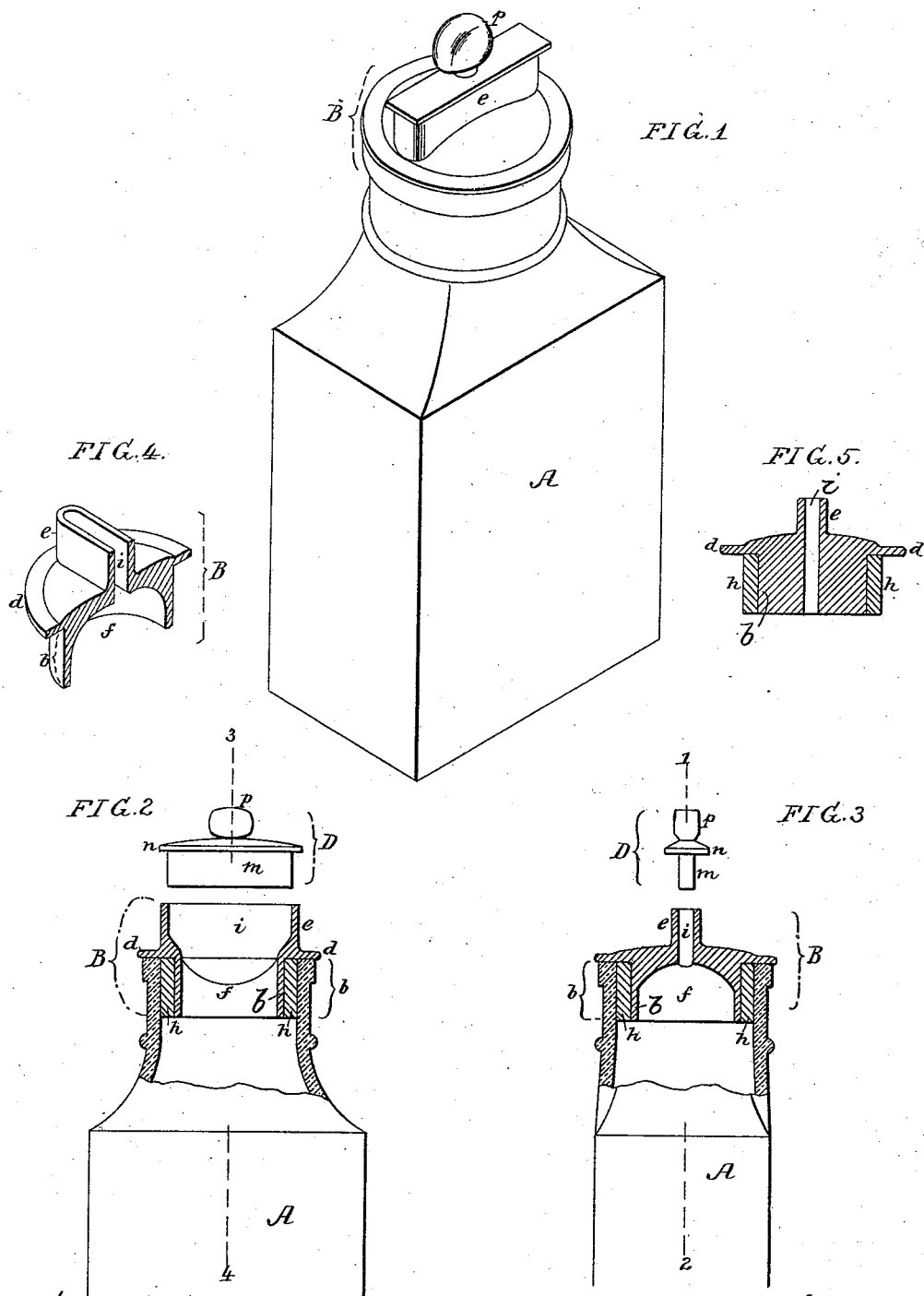


(No Model.)

E. R. PETTIT.
DENTIFRICE BOTTLE.

No. 306,950.

Patented Oct. 21, 1884.



Witnesses:
Albert Popkine
Hubert Howson

Inventor:
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by his attorneys
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UNITED STATES PATENT OFFICE.

ELIHU R. PETTIT, OF PHILADELPHIA, PENNSYLVANIA.

DENTIFRICE-BOTTLE.

SPECIFICATION forming part of Letters Patent No. 306,950, dated October 21, 1884.

Application filed July 17, 1884. (No model.)

To all whom it may concern:

Be it known that I, ELIHU R. PETTIT, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented certain Improvements in Denti rice-Bottles, of which the following is a specification.

The object of my invention is to provide dentifrice-bottles with a mouth-piece which will serve to distribute the dentifrice over the surface of a tooth-brush more uniformly and with less waste than an ordinary mouth-piece; and this object I attain in the manner herein-after set forth, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of a dentifrice-bottle with my improvement; Fig. 2, a vertical section on the line 1 2, Fig. 3. of the upper portion of the bottle, with the mouth-piece and the stopper detached therefrom; Fig. 3. a vertical section on the line 3 4, Fig. 2; Fig. 4, a sectional perspective view of the mouth-piece detached from the bottle, and Fig. 5 a vertical section of a modified form of mouth piece.

Referring, in the first instance, to Figs. 1, 2, 3, and 4, A is an ordinary bottle, having a neck of comparatively large size. B is the mouth-piece, the prominent features of which are the lower portion, *b*, the flange *d*, and the horizontally-elongated projection *e* above the flange. The portion *b* of the mouth-piece enters the mouth of the bottle as far as the flange *d* will permit, and to insure a tight fit a ring, *h*, of cork or other available material, intervenes between the neck and the said portion *b* of the mouth-piece. I prefer to make in this portion *b* of the mouth-piece a cavity, *f*, which communicates with an elongated opening, *i*, in the elongated projection *e*, for, when the bottle is inverted, this cavity serves the purpose of a funnel for directing the dentifrice to the said opening *i*. The lower portion, *m*, of a removable stopper, D, fits freely in the elongated opening *i* of the mouth-piece, has a flange, *n*, for bearing on the upper edge of the projection *e*, and a suitable knob, *p*, by which the

stopper may be seized and detached from the mouth-piece. In the modification shown in Fig. 5 there is no cavity in the lower portion, *b*, of the mouth-piece, the elongated opening *i* extending entirely through the same; but I prefer the cavity *f* for the reasons given above. On applying the projecting portion of the mouth-piece lengthwise to the tooth-brush and tilting the bottle the dentifrice will be spread longitudinally and uniformly to a desirable extent over the brush without shaking the bottle or rubbing the projecting portion of the mouth-piece over the brush.

As regards the prior state of the art, it may be remarked that a dentifrice-bottle with a trough at the top for receiving a brush, and an elongated opening forming a communication between the trough and the interior of the bottle, is described in Patent No. 118,163, August 15, 1871; but there is a difficulty in blowing bottles of this class, and this difficulty I obviate by making the mouth-piece separate from the bottle, which may be of the ordinary character.

I claim as my invention—

1. The combination of a dentifrice-bottle with a detachable mouth-piece having an elongated opening, substantially as set forth.

2. The mouth-piece B, having an elongated opening, *i*, in the top, and a lower portion, *b*, in which is made a cavity, *f*, communicating with the said elongated opening, substantially as specified.

3. The flanged mouth-piece B, having an elongated projection, *e*, in which is elongated opening *i*, and a lower portion, *b*, in which is a cavity, *f*, communicating with the said opening, substantially as described.

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

ELIHU R. PETTIT.

Witnesses:

JOHN M. CLAYTON,
HARRY SMITH.