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F. NADOOLMAN

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DISPENSER

Filed July 30, 1930

FIG. 1

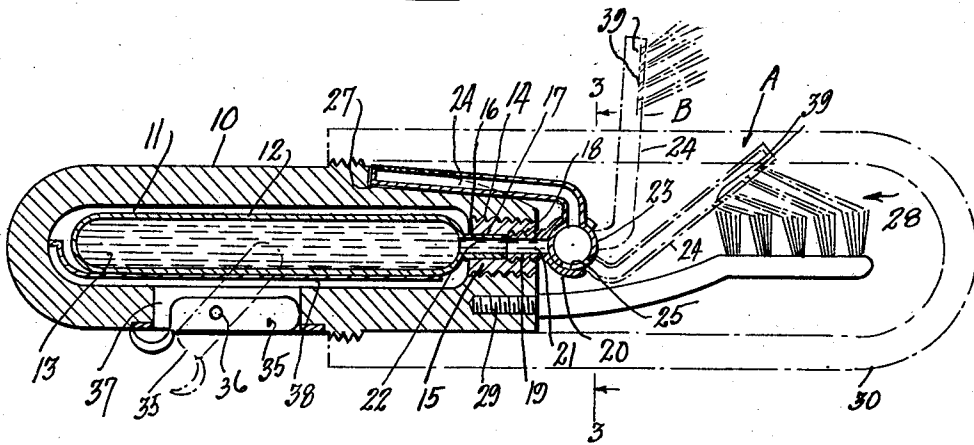


FIG. 2

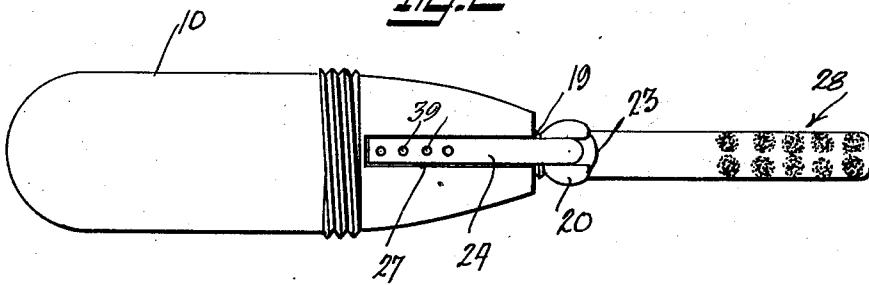
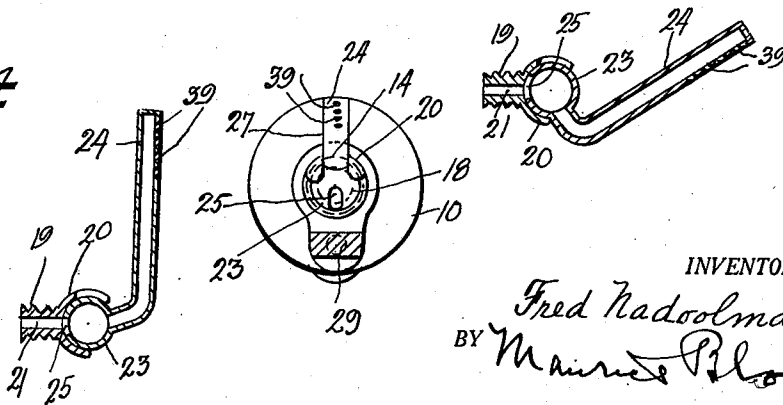


FIG. 3

FIG. 5

FIG. 4



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DISPENSER

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This invention relates to dentifrice receptacles, and has for one of its objects the provision of a neat and compact toilet article, adapted to contain a liquid dentifrice or
 5 antiseptic solution which may be sprayed or squirted onto a tooth brush or other object.

Another object of the invention is to provide a toilet article of the character referred to, having a reservoir containing barrel and
 10 a duct pivotally maintained therein, the said duct being provided with a dentifrice or antiseptic solution admitting opening, adapted to be brought into and out of communication with the mouth of the reservoir.

15 Another object is to produce a device of the character described in which the maximum simplicity of construction and operation is secured.

Other objects and advantages will appear
 20 as the nature of the improvements is better understood, the invention consisting substantially in the novel arrangement and co-relation of parts herein fully described, and illustrated in the accompanying drawings,
 25 wherein similar reference characters are used to describe corresponding parts throughout the several views, and then finally pointed out and specifically defined and indicated in the appended claims.

30 The disclosure made the basis of exemplifying the present inventive concept suggests a practical embodiment thereof, but the invention is not to be restricted to the exact details of this disclosure, and the latter, therefore, is to be understood from an
 35 illustrative, rather than a restrictive standpoint.

The inventive idea involved is capable of receiving a variety of mechanical expressions, one of which, for the purpose of illustration, is shown in the accompanying drawings, in which

40 Figure 1 is an enlarged longitudinal sectional view of a combined receptacle and tooth brush embodying one form of my invention.

Figure 2 is a top plan view thereof.

Figure 3 is a cross sectional view taken on
 45 line 3-3 Figure 1.

50 Figure 4 is a fragmental sectional view of

the duct, shown in one of its operated positions, and

Figure 5 is a similar view thereof in another position.

Referring now to the drawings in detail 10 indicates a barrel having a central bore or chamber 11 adapted to house a tube or reservoir 12 containing an antiseptic solution or dentifrice 13. This tube 12 may be made
 60 of rubber or any other suitable material. The mouth of the barrel 10 consists of a threaded opening 14 having therein a threaded centrally perforated plug 15 which may be cemented, glued, or otherwise secured to the neck portion 16 of the tube 12.

The forward end of the opening 17 of the plug 15 is provided with a threaded portion 18 adapted to receive the threaded end 19 of a socket member 20 having a central bore 21 which is in alinement with the neck bore 22 of the tube 12. Pivotaly maintained in the socket 20 is the ball end 23 of a duct 24 having a dentifrice or antiseptic solution opening 25, which when the tube is in inoperative or folded back position, is out of
 75 alinement with the bore 21 of the socket member 20. The tube or duct 24 when in the aforementioned position fits into a recess 27 in the forward end of the barrel 10.

A tooth brush 28 is provided with a threaded end 29 for removably maintaining the said brush in a threaded opening in the lower forward end of the barrel 10, and a cap 30 may be provided to maintain the parts in a sealed and sanitary condition when not in
 85 use.

To operate the device for squirting the contents of the reservoir onto the brush, the cap 30 is removed and the duct 24 is swung into the dot and dash position shown at A
 90 Figure 1, or in the Figure 5 position, and a lever 35 pivoted at 36 in a frame 37 secured in a slot of the barrel 10, is then operated to actuate a presser bar 38 to press the bag 12 and force the contents or a portion thereof
 95 through the openings 21 and 25 into the duct 24 and out thereof through openings 39 which are so positioned in the duct as to direct the squirted liquid on to the brush bristles. When the duct is in the Figure 4 posi-
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tion or in the position indicated at B Figure 1, the device may be used for spraying the mouth or nose and for refilling the reservoir from any suitable source.

squeezing the contents out of the said sac through the duct.

In testimony whereof I hereunto affix my signature.

FRED NADOOLMAN. 70

5 It will be readily understood that instead of a reservoir containing liquid, I may substitute a tube containing a dental or other paste, and instead of using the lever 35 and presser bar 38 any other means may be employed for pressing the contents out of the reservoir.

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10 From the foregoing it will be seen that I have provided a simple sanitary and compact toilet article in the form of a combined tooth brush and reservoir adapted for instantaneous use. It is obvious that the brush 28 may be dispensed with, and another element substituted, or the device may be used as a sprayer for medicaments.

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15 20 Having described my invention, what I claim as new and desire to secure by Letters Patent is:—

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1. In a device of the nature described, a barrel having an open threaded end, a flexible medicated liquid containing sac in the barrel open at one end, a plug screw threadedly maintained in the barrel and having a bore adapted to receive the open end of the sac, a socket screw threadedly maintained in the plug, the said socket member having a bore therein in alinement with the plug bore and a duct pivotally mounted in the socket and provided with an opening adapted to be brought into and out of registry with the bore in the socket member.

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2. In a device of the nature described, a barrel having an open threaded end, a flexible medicated liquid containing sac in the barrel open at one end, a plug screw threadedly maintained in the barrel and having a bore adapted to receive the open end of the sac, a socket screw threadedly maintained in the plug, the said socket member having a bore therein in alinement with the plug bore, a duct pivotally mounted in the socket and provided with an opening adapted to be brought into and out of registry with the bore in the socket member and means in the barrel in operative engagement with the sac for squeezing the contents out of the said sac through the duct.

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3. In a device of the nature described, a barrel having an open threaded end, a flexible medicated liquid containing sac in the barrel open at one end, a plug screw threadedly maintained in the barrel and having a bore adapted to receive the open end of the sac, a socket screw threadedly maintained in the plug, the said socket member having a bore therein in alinement with the plug bore, a duct pivotally mounted in the socket and provided with an opening adapted to be brought into and out of registry with the bore in the socket member, and means in the barrel in operative engagement with the sac for

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