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<p>(21) International Application Number: PCT/US96/20287 (22) International Filing Date: 30 December 1996 (30.12.96) (71)(72) Applicant and Inventor: ABI SARKIS, Toufic [US/US]; P.O. Box 670024, Marietta, GA 30066 (US).</p>		<p>(81) Designated States: CN, JP, MX, RU, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i></p>
<p>(54) Title: TOOTHBRUSH WITH INTERNAL SUPPLY</p>		
<p>(57) Abstract</p> <p>The present invention is directed to a toothbrush having a bristle head (1) connected to a toothpaste supply tube (2). A screw piston (3) is provided with a turning knob (4) to advance the toothpaste in the supply tube (2).</p>		

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TOOTHBRUSH WITH INTERNAL SUPPLY

I, alone, thought up of this idea. I will personally go to the Patent and Trademark Office in Washington D. C. to register this application with its documents nationwide and international.

If my invention gets accepted by this office, I request that no one is too imitate it without my authorization or official permission. I may decide to build a factory to distribute my invention in marketing, or in selling it directly to companies. I will make the decision later.

People brush their teeth in the morning and at night every-day. It is not usual having people brushing their teeth at noon due to lack of simplicity. My bright idea can change that because it allows people to brush their teeth any where and at any time. It is practical, simple, and light. Furthermore, it can be carried around in one's pocket or purse.

My idea is a portable toothbrush filled with toothpaste. It is divided into 2 pieces. The first piece is $1 \frac{5}{8}$ inches (1.63 in.) long. It is connected to the toothpaste carrier which is the 2nd piece. It is $5 \frac{1}{8}$ inches (5.13in.) long. It is also the stem of the brush. At the bottom, a knob is found.

Figure A is a brush whose end is screwed into figure B. Figure A is opened from the inside in a way that allows toothpaste to enter and be placed right into the bristles.

Figure B is the stem of the toothbrush that is filled with toothpaste. At the bottom of it, there is a knob. When it is turned, the toothpaste is brought up to figure A by the carrier.

How the brush works

In order to get the toothpaste to reach the brush, you have to turn (figure A) the brush 90 degrees to the right. That is the only time the path is not blocked. (look at figure C) When the brush is in that position, turn the knob that is located at the bottom of figure B to allow the toothpaste to travel towards the top right side of figure B. The left side is closed because it is hard plastic. Once the brush is filled up with toothpaste, turn back the brush (figure A) 90 degrees to the left so it is centered with its stem. No matter how many times you turn the knob now, the toothpaste will not go up because the path between figures A and B is blocked. After brushing your teeth, rinse off the brush with water (water will not go through because the path is closed-figure A is not turned into figure C) and place its cover (figure D) on it.

The brush I invented is made up of hard plastic. Moreover, one can buy the different sections separately. The sections come in different colors r the usual transparent color. This invention is called **"PRACTIBRUSH"**.

I claim

- 1) A tooth brush comprising:
- a) a brush
a tooth paste chamber, in the brush
a filling opening from a first part of the chamber and a port of a second part of the chamber connecting to the outside of brush
 - b) a stem comprising
a container for holding tooth paste,
an opening at one end of the container, dispensing means for expelling toothpaste from the container through the opening; and
 - c) Connecting Means
comprising a first portion on the brush and a second portion on the stem said first and said second portions being rotatably connected such that the brush can be assembled to the stem and rotated a first position

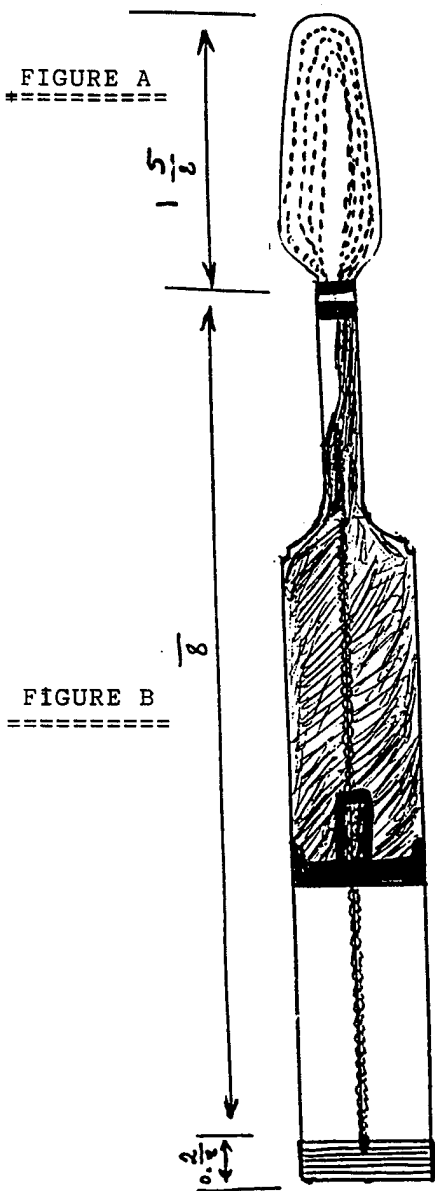


FIGURE B
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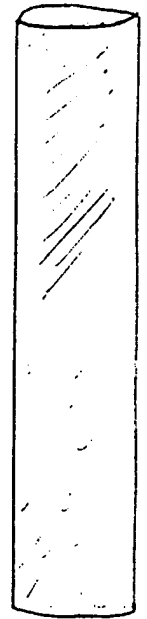
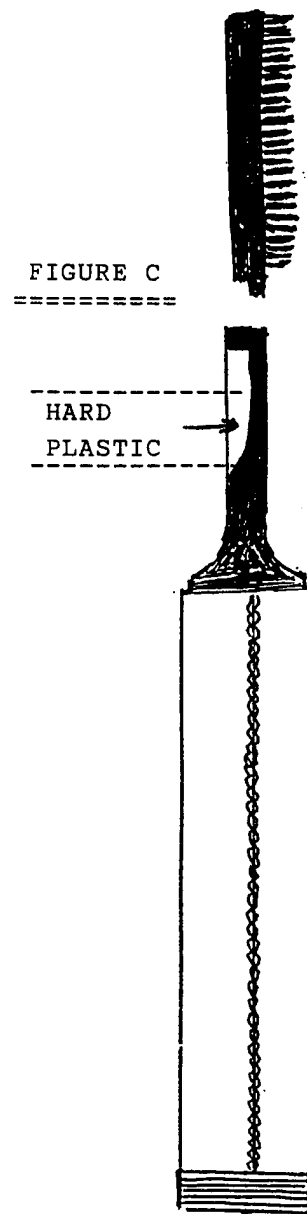
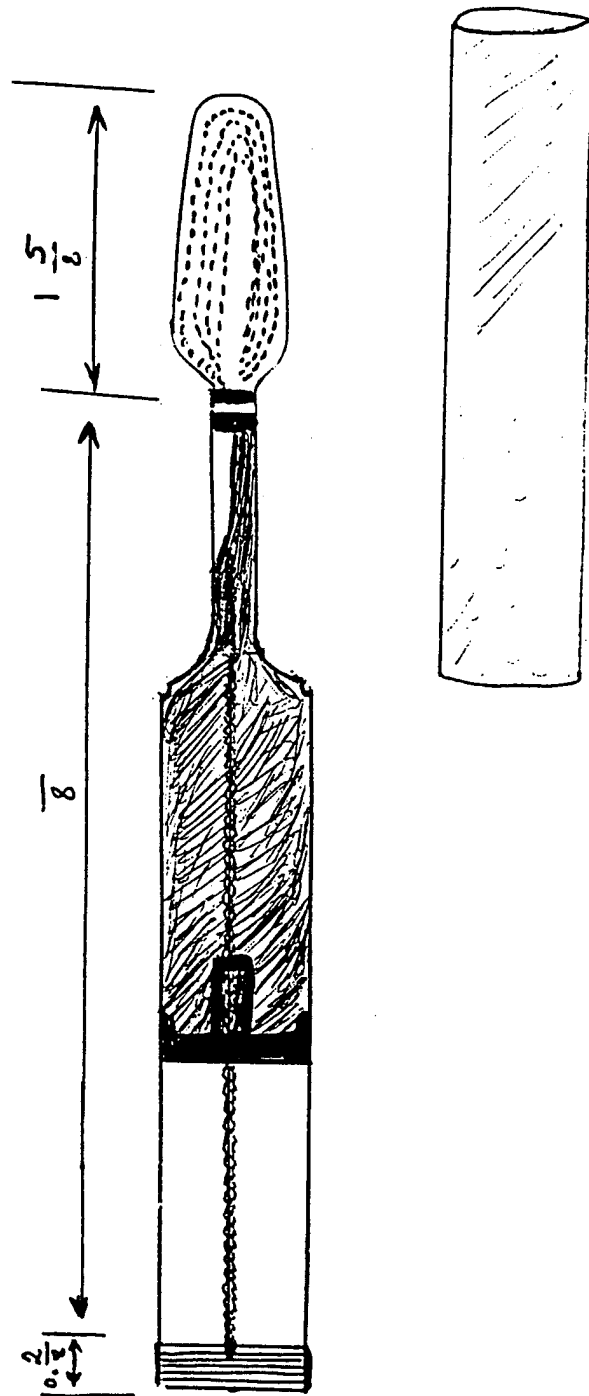
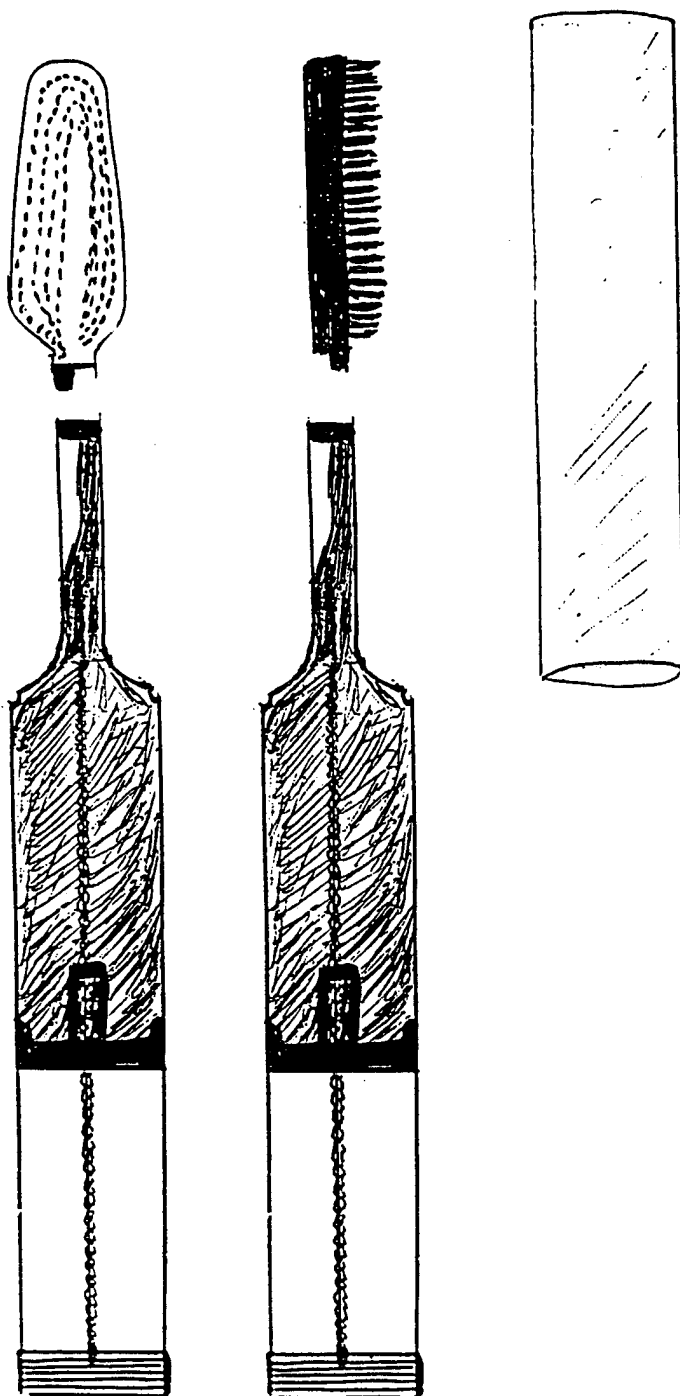


FIGURE D
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Net WT 1.5 oz (42g)



Net WT 1.5 oz (42g)



INTERNATIONAL SEARCH REPORT

International application No.
PCT/US96/20287

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(6) :A46B 11/02
 US CL :401/175
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 401/175

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 995,626 A (MORAN) 20 June 1911, entire document.	1
X	US 1,486,394 A (SMITH) 11 March 1924, entire document.	1
X	US 1,983,557 A (JECKER) 22 January 1935, entire document.	1
X	US 4,421,433 A (VILLANUEVA) 20 December 1983, entire document.	1

Further documents are listed in the continuation of Box C. See patent family annex.

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Date of the actual completion of the international search 4 MAY 1997	Date of mailing of the international search report 09 JUN 1997
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