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(54) **BROSSE A DENTS PRAF**

**(DETARTRAGE ET APPORT DE FLUORURE)**

(54) **PRAF (PLAQUE REMOVAL AND FLUORIDE) TOOTHBRUSH**

(57) For the use of toothbrush to clean the teeth, it is recommended that the head of the toothbrush should be placed beside teeth with the bristle tips at a 45 degree angle against the gum line. In PRAF Toothbrush, rectangular head with rounded edges contains bristles in five rows. They are classified as: Bristles of outer row. Bristles of intermediate row. Bristles of central row. Bristles of all rows Do not have the same length, Instead, inclined cutting of bristles making a 45 degree angle with horizontal plane is the unique characteristic of PRAF toothbrush.



ABSTRACT

For the use of toothbrush to clean the teeth, it is recommended that the head of the toothbrush should be placed beside teeth with the bristle tips at a 45 degree angle against the gum line.

In PRAF Toothbrush, rectangular head with rounded edges contains bristles in five rows. They are classified as:

Bristles of outer row.

Bristles of intermediate row.

Bristles of central row.

Bristles of all rows Do not have the same length, Instead, inclined cutting of bristles making a 45 degree angle with horizontal plane is the unique characteristic of PRAF toothbrush.

## **DESCRIPTION**

PRAF toothbrush is a manual toothbrush.

Parts of toothbrush

Head

Neck

Handle

### **HEAD**

It is rectangle with rounded edges

Bristle are in five rows

Bristles of outermost row.	Two in number
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Bristles of intermediate row	Two in number
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Bristles of central row	One in number
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If you hold PRAF toothbrush in front of you, you will see bristles of five rows make two incline plane. In other words, they are tapered. Actually when you join the tip of the tuft of the central row, by a line you will get a 45 degree angle as shown in figure No. 2.

The Inclined cutting of bristle coincides 45 degree angle against the gum line and gives the close approximation with teeth and gingiva.

Not only the bristles of all rows, even tufts of the single row DO NOT have the same length.

## **Advantages of PRAF toothbrush:**

If the length of bristles is arranged in the manner explained above, the following advantages are expected:

1. **Very close contact of the brush with teeth:**

To remove plaque effectively, it is very important to have a close contact of brush with teeth. It seems as such in this brush as it should be.

2. **Maximum Plaque removal:**

Inclined cutting of bristles will remove the plaque maximum as bristles have close contact with teeth.

3. **Easy to Educate the People:**

Education of patient about toothbrushing technique plays a key role to control dental diseases. For this invention, it seems easy to educate the people how to brush the teeth. For people, in brushing problem, mostly is to get angulation position. It seems no problem for this invention.

4. **Less damage of soft tissue:**

While using brushes having some length of bristles, they are placed beside teeth and pressed to get 45 degree angle against gumline. For FRAF toothbrush, risk of damage of soft tissue is minimum.

5. **Delayed worn out of Bristles:**

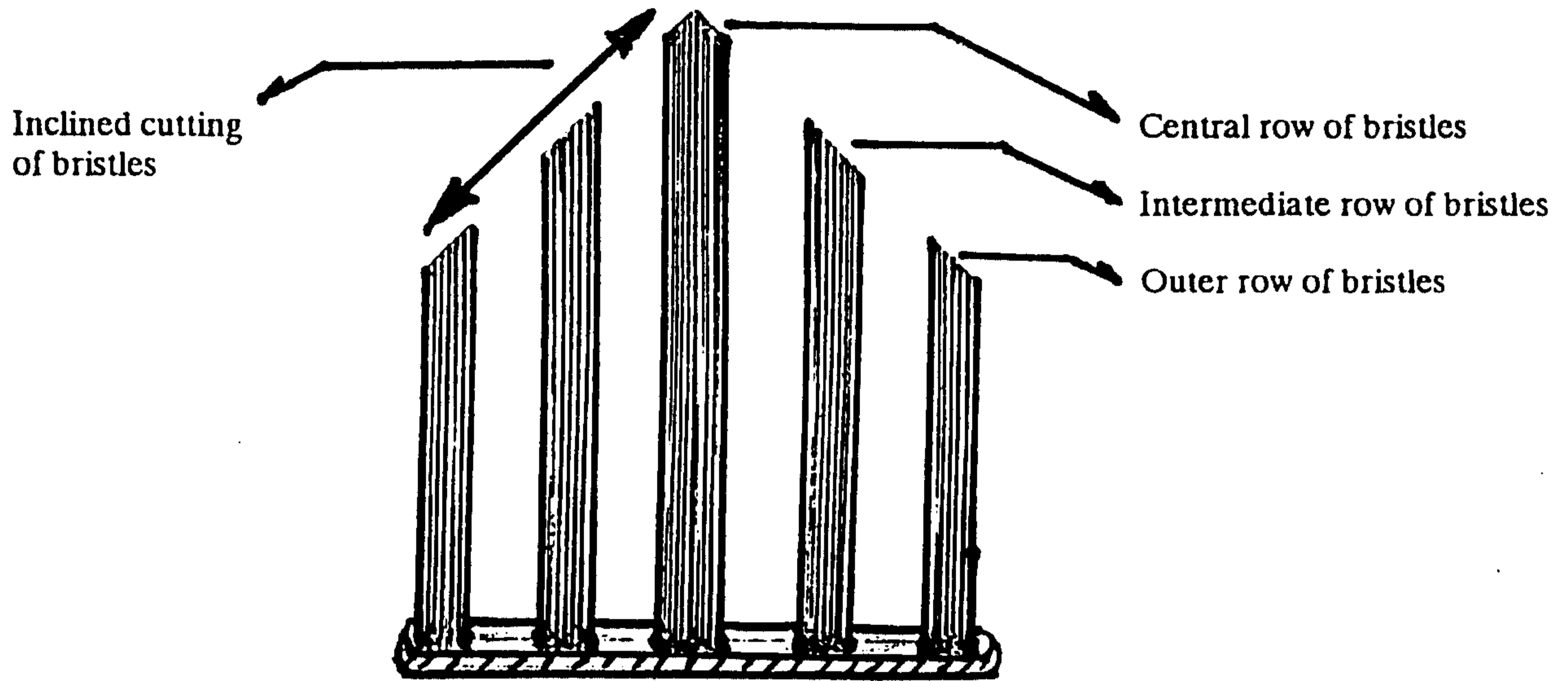
For this invention, bristles seem to be worn out after a prolonged time.

CLAIM

*I claim*

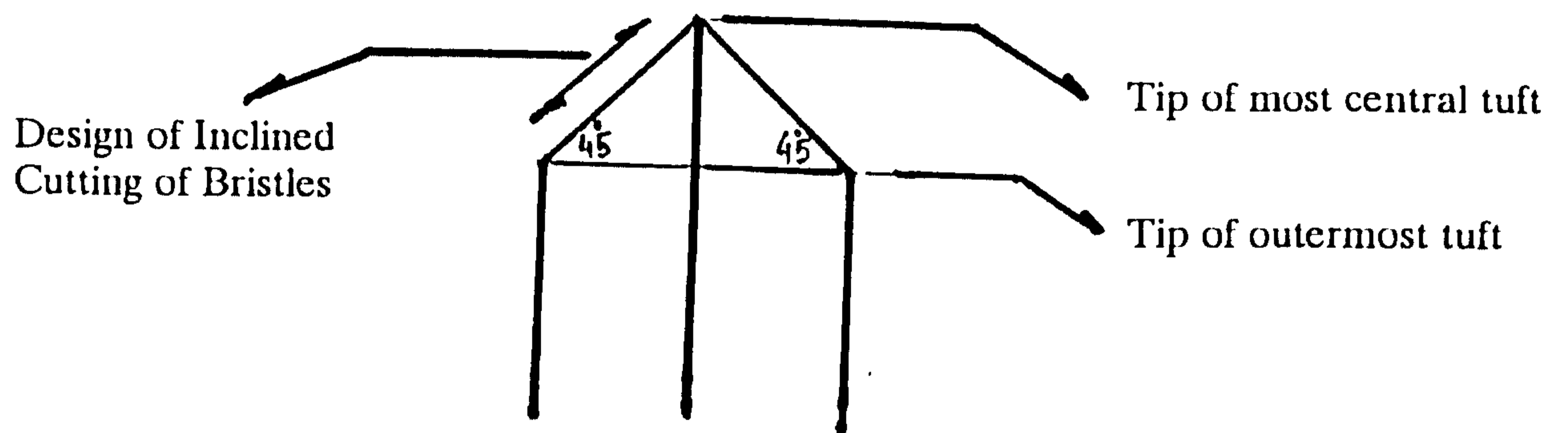
1. Regarding design and arrangements of bristles, **PRAF** toothbrush is a **MODIFIED PRODUCT.**

*Akram Ashfaq*  
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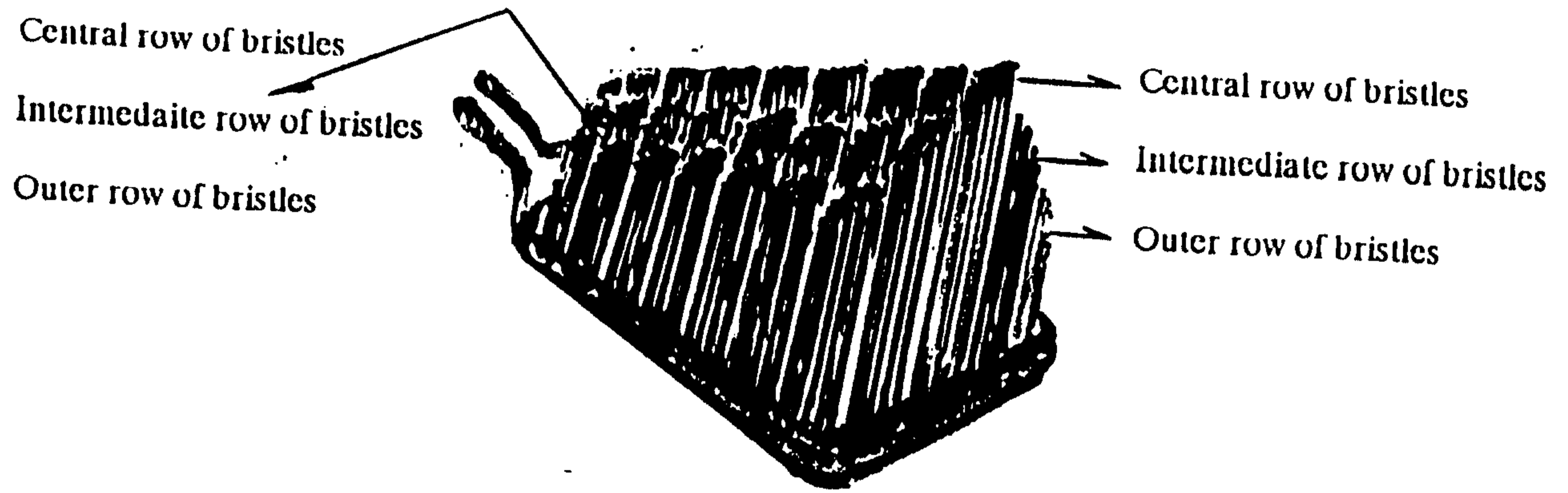
**Anteriort (front) View of PRAF TOOTHBRUSH**

**Figure No. 1**



The inclined cutting of bristles coincides 45 degree angle against the gumline and gives the close approximation with teeth and gingiva.

Figure No: 2



**Oblique View of PRAF Toothbrush**

**Figure NO. 3**