

HYGIENIC COMB OR BRUSH

This invention relates to a hygienic comb or brush having several layers of thin film adhered thereon.

5 The conventional comb or brush will accumulate hair or dust on the comb teeth or brush bristles after being used for a time interval. To cleanse or wash the comb or brush by hand will cause inconvenience and may contaminate user's finger or may infect bacteria to the carrier.

10 A comb which has been available hitherto is shown in Fig. 6. Such a comb comprises a teeth back B pivotally connected to a grating handle H' so that the handle may be raised to the position as shown by the dotted line to withdraw hair or dust from the comb teeth. Each grate G of grating handle H' must be made in parallel
15 to allow each tooth to pass through each grate freely. The parallel teeth of each row each run through the hair along the same path so that combing efficiency will be poorer than that of general combs having divergent or flare teeth. Meanwhile, each grate G may still accumulate more or less hair or dust. The hair
20 removed by said grating handle must still be removed by hand whereby contamination will possibly be made.

The present inventor has found these defects and devised the present comb or brush.

25 The present invention provides a comb or brush comprising a back having a surface from which the teeth or bristles extend and on which several layers of thin film are releasably adhered, the teeth or bristles penetrating the layers of thin film whereby the film may be torn off the surface to remove hair or dust
30 collected on the teeth or bristles as the film is torn off.

In one embodiment, a handle extends from the back and a portion of each thin film extends onto the handle and is adhered thereon.

The invention will now be described by way of example only with reference to accompanying drawings, in which;

5 Fig. 1 is a perspective drawing of a brush in accordance with the present invention;

 Fig. 2 illustrates tearing off of the thin film of the brush of Fig. 1;

 Fig. 3 is the top view drawing of the brush;

10 Fig. 4 is a perspective drawing of another preferred embodiment of the present invention;

 Fig. 5 is a perspective drawing of a further preferred embodiment of the present invention; and

15 Fig. 6 is an illustration of a prior art comb having parallel teeth.

 As shown in Fig. 1, 2 and 3, a brush of one preferred embodiment of the present invention is illustrated. The brush 1 has several layers of thin film 2 adhered on the rubber bristle bed 10 of the brush back.

20 Said thin film 2 may be made from plastics film, cotton cloth, paper, rubber sheet or plastics net. A pressure-sensitive adhesive is coated on the back of each thin film 2. The edge portion 21 of the thin film 2 extends under a rim 11 of the brush back and is defined by a line of perforations running along the film at the inner edge of the rim. Said edge 21 and perforation line 22
25 end at position numbered 23 near the neck portion 12 of said brush 1. Said thin film 2 is extended from point 23 to form an extending portion 24 having an arcuate end 24a. Each film 2 is formed with a releasing surface within the perforation line 22
30 and the portion 24 thereof. However, the edge 21 outside the perforation 22 is formed with a rough upper surface for easier adhesion from layer to layer.

Several layers of thin film 2 are adhered onto the back and handle of the brush 1 in that the film except the portion 24 is adhered onto the bristle bed 10 and the edge 21 is adhered under the rim 11 of the brush 1 so that the perforation line 22 coincides with the inner edge of rim 11 of the brush. The film 2 extends from the bristle bed 10 to form the portion 24 which is adhered on the narrow neck 12 and handle 13. Each film 2 may be printed with different decorative figure 25. The number of layers of thin film may preferably be of from 5 to 15 and may be adjusted depending upon the actual requirement. The end 24a of each extending portion 24 should preferably not be overlapped. This is, the end 24a of the upper film should be slightly shorter than that of the film below as shown, for easier removal of the film 2.

After using the brush for a time, the upper film may be torn off as shown in Fig. 2 to remove the hair or dust H accumulated on the bristles 10a. By holding the end 24a and tearing the film 2, it is easily torn to point 23 from which it tears along the perforation line 22 so that the film within the perforation line 22 will then be easily released to reveal the new surface of another film 2 with fresh figure 25 as shown. All the hairs or dust H are rolled into film 2 which may be disposed without contaminating one's finger.

Another embodiment of the present invention is shown in Fig. 4. The instrument is a combined comb and brush. By using a similar method to that described above, each face is respectively coated with a thin film 2. The end 24a may be formed with a round tip 24b which adheres to the handle edge as shown.

The present invention may be further illustrated with a flare type brush as shown in Fig. 5. Said brush 1 may also have thereon several layers of thin film 2. However, each thin film 2 is formed around the round bar of said brush 1. Both
5 edges of each film after being wound to cover the brush bar will form a boundary line which is located at the opposite side of the brush to the perforation line 22a. Such a perforation line 22a is provided centrally on each film 2. Beginning at point 22b,
10 each film 2 is tapered to form two arcuate ends or tapered portions 24a which are respectively extended between the boundary line and perforation line 22a. All the ends 24a are adhered on the neck portion 12 and have thereon a trade mark.

The present invention may be made with divergent teeth or bristles so as to facilitate the dressing, cleansing and combing
15 operation when using such an instrument. After collecting the hairs or dust around the teeth or bristles, the thin film 2 may be torn off to remove the dirty material without contamination. The new surface with new figure present will also furnish the
20 freshness and decoration.

Although the invention has been specifically described with
25 references to brushes and a combined brush and comb it may equally well relate to a comb alone.

CLAIMS

1. A comb or brush comprising a back having a surface from which the teeth or bristles extend and on which several layers of thin film are releasably
5 adhered, the teeth or bristles penetrating the layers of thin film whereby the film may be torn off the surface to remove hair or dust collected on the teeth or bristles as the film is torn off.

2. A comb or brush as claimed in claim 1 where-
in a handle extends from the back and a portion of
10 each thin film extends onto the handle and is adhered thereon.

3. A comb or brush as claimed in claim 2 where-
in a neck is formed between the handle and the back,
and each layer of thin film is formed with an edge
15 portion defined by a line of perforations, the edge portion being positioned under a rim of the back and the perforation line coinciding with the inner edge of the rim, each thin film having an extending portion which is adhered on the neck and optionally the
20 handle and each film being coated with pressure-sensitive adhesive on the film back and being formed with a releasing upper surface except that the edge portion of the film is formed with a rough upper surface.

4. A comb or brush as claimed in claim 3 where-
25 in the extending portion of each film ends closer to



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the back than the film underneath.

5. A comb or brush as claimed in claim 3 wherein the extending portions of the films have the same dimensions whereby they overlap and a
5 round tip extends from the end of each extending portion, the round tips of different layers not being overlapped and being distributed along the end of the comb or brush.

6. A comb or brush as claimed in claim 3
10 which is made as a round bar, the thin films being wound to completely cover the round bar, opposite edges of each film forming a boundary line along the bar and each film having a line of perforations formed centrally thereon whereby the perforation line lies along the
15 bar on the opposite side to the boundary line, two tapered portions respectively being formed between the boundary line and the perforation line on each side of the boundary line and extending to the neck.

7. A comb or brush as claimed in any one of
20 the preceding claims wherein each film is printed with a different decorative figure.

8. A brush or comb substantially as herein-
before described with reference to or as shown in
Figures 1, 2 and 3, or Figure 4 or Figure 5 of the
25 accompanying drawings.

