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A. CALDORA

2,384,013

COMB

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FIG. 1.

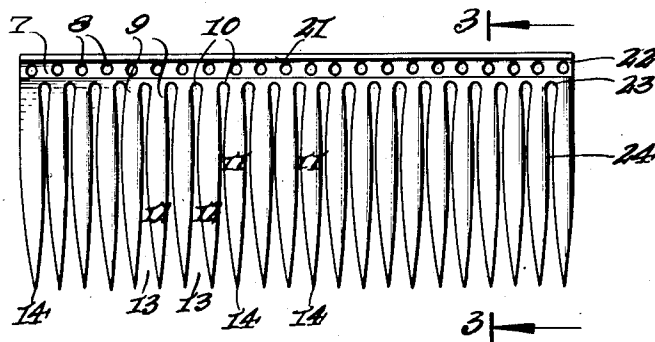


FIG. 2.



FIG. 3. FIG. 4.

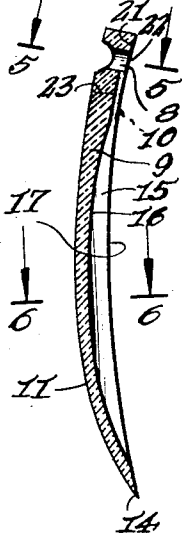
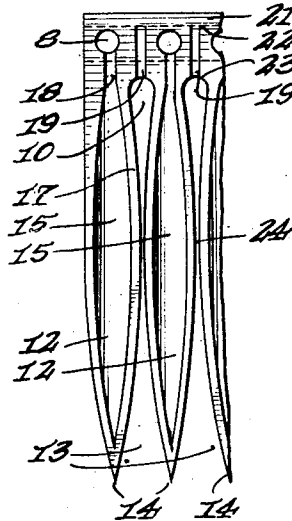
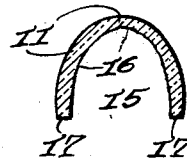


FIG. 5.



FIG. 6.



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COMB

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5 Claims. (Cl. 132-26)

This invention relates to combs and refers more particularly to an ornamental comb intended to be worn by women as an article of apparel, and to secure hair in place.

An object of the present invention is to provide a comb which will be springy, both in its body and in its teeth.

Another object is to provide a comb which will enter the hair more easily and retain better the position in which it is placed.

Another object is to provide a comb the teeth of which can be completely concealed in the hair.

Another object is to provide a comb adapted to receive and display ribbon or other decorative additions.

Other objects will appear from the following specification.

In accomplishing the objects of the present invention it was found desirable to provide a comb whose body was provided with a plurality of slots opening into the side thereof bearing the teeth, and whose teeth were of substantially semi-circular cross section, narrowed considerably adjacent the body, tapering gradually into points at the outer end, and almost touching one another intermediate the narrowed and tapered portions.

Such a comb enters the hair easily, stays in place, and is completely concealed except for the body or backbone.

The invention will appear more clearly from the following detailed description when taken in connection with the accompanying drawing showing, by way of example, preferred embodiments of the inventive idea.

In the drawing:

Figure 1 is a front elevation of the comb.

Figure 2 is a top view.

Figure 3 is a vertical section along the line 3-3 of Figure 1.

Figure 4 is an enlarged elevation of the rear of the comb.

Figure 5 is a longitudinal horizontal section along the line 5-5 of Figure 3.

Figure 6 is a horizontal section along the line 6-6 of Figure 3.

In Figure 1, the body 7 comprises a ridge portion 21 along its upper edge. Holes 8 extending through the body below the ridge permit the comb to be decorated by ribbons 20 as in Figure 5 or other articles fastened therein.

Teeth 9 extend downward from the body, and are narrow adjacent the body, leaving spaces 10 between them. The front surfaces 11 of the teeth are convex throughout their length. The lower portions 12 of the teeth are tapered, leaving

spaces 13 between them, and terminating in points 14. Between the spaces 10 and 13 the teeth almost touch each other, the spaces 24 being very narrow.

5 The body has a slight curve as seen in Figure 2.

Referring to Figures 3 and 6, the teeth may be described roughly as half-tubular, in view of the convex front surface 11 and concave back surface 16, with the cavity 15 thus formed between the back edges 17. This construction gives strength along with economy of material and weight. The teeth are also curved longitudinally. As will be seen from Figure 6, the lateral section of each tooth constitutes it a compression

15 leaf spring.

Slots 18 extend from holes 8 downward to connect with cavity 15. Slots 19 midway between holes 8 extend downward and forward from point 22, substantially at the height of the top of holes 20 8, and on the back surface of body 7, to point 23 on the front surface of the comb and on the boundary of spaces 10. The ridge 21 is thus the only portion of the body which is not relieved by slots or holes. The body is thus rendered very

25 springy. In operation the comb enters the hair very easily and without binding due to the points 14, spaces 13 and convex front surfaces 11. It binds in position however due to the hair being bunched in spaces 10 and slots 18 and 19. Of course some hair is forced into spaces 24, easily forcing teeth 9 apart somewhat due to the gradual convergence of the sides of spaces 13 and simultaneously compressing each tooth. The separation of teeth 9 stresses body 7, and the stress, together with the compression of the teeth and the bunching of the hair already referred to, keeps the comb in position.

The hair in front of the comb fans out over the convex surface 11, covering the teeth entirely, so that only the body remains uncovered.

It is apparent that the illustrations given above have been given by way of illustration only and not by way of limitation, and that the structures above described are subject to wide variation and modification without departing from the scope or intent of the invention, all of which variations and modifications are to be included within the scope of the present invention.

50 What is claimed is:

1. A comb comprising a body portion and teeth, said teeth being recessed to provide concave rear surfaces, said body portion being recessed to provide lateral slots, some of said slots opening into the rear surface of said body portion and

extending from a point high on the rear surface of said body to a point intermediate said teeth, other of said slots opening into the rear surface of said body portion and merging with concave rear surfaces of said teeth.

2. In a comb, teeth curved longitudinally, hollowed rearwardly and narrowed at both ends.

3. In a comb, teeth having a cross section substantially that of an ellipse divided along its minor axis, said teeth further being substantially

elliptical in front and rear elevation, said teeth further being curved longitudinally.

4. A comb comprising teeth according to claim 2, said teeth being located very close together at their nearest points.

5. A comb according to claim 1, said teeth being curved longitudinally, hollowed rearwardly, narrowed at both ends, and set very close one to the other.

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