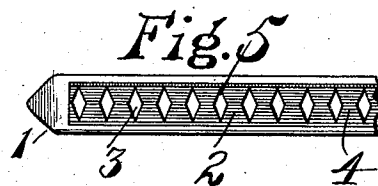
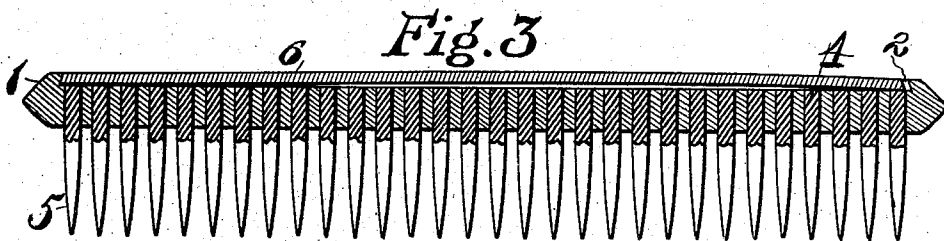
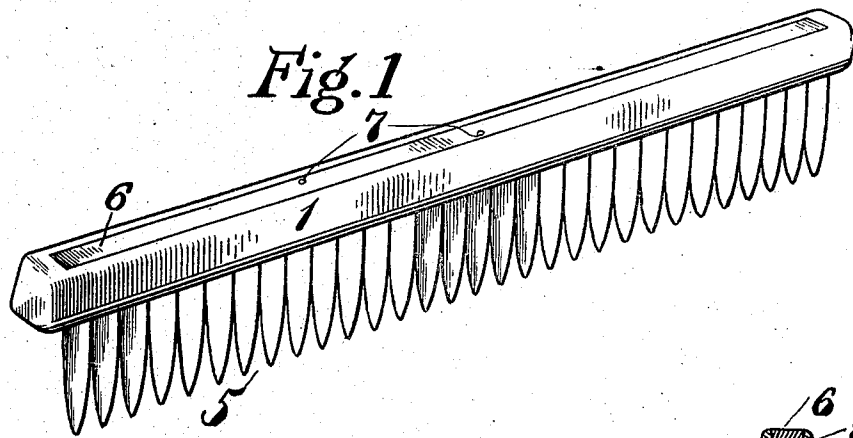


No. 893,242.

PATENTED JULY 14, 1908.

G. P. HOMEIER.
COMB.

APPLICATION FILED SEPT. 8, 1907.



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE P. HOMEIER, OF AKRON, OHIO.

COMB.

No. 893,242.

Specification of Letters Patent.

Patented July 14, 1908.

Application filed September 6, 1907. Serial No. 391,546.

To all whom it may concern:

Be it known that I, GEORGE P. HOMEIER, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented new and useful Improvements in Combs, of which the following is a specification.

This invention relates to improvements in combs for toilet use and the object thereof is to provide a comb having detachable teeth so that when a tooth is broken it may be readily replaced by another tooth, thereby restoring the comb to its original intact condition.

A second object is to make the comb more sanitary than those in common use by making the teeth removable for the purpose of completely cleansing the entire device whenever it becomes necessary.

Other advantages constituting objects of this invention will more fully appear in the subjoined description.

A practical embodiment of this invention is illustrated in the accompanying drawings in which similar reference numerals indicate like parts in the different figures.

In the drawings, Figure 1 is a perspective view of my improved comb; Fig. 2 a transverse sectional view of the same; Fig. 3 a longitudinal central section of the same; Fig. 4 a perspective view of a single tooth; and, Fig. 5 a plan view of the body portion of the comb with a portion thereof removed to better illustrate the internal construction thereof.

In the drawings, the reference numeral 1 indicates the body portion of the comb which is preferably made of hard rubber, although any other suitable material may be employed. This body portion 1 has in its upper surface a recess 2 preferably parallel with the sides thereof and comparatively shallow. The lateral edges of this recess 2 are preferably inclined, as shown in Fig. 2 and the ends are undercut, as shown best in Fig. 3. From the bottom of the recess 2 in the body portion of the comb 1 are a plurality of regularly-recurring downwardly-extending tapering openings 3, preferably diamond shaped in cross-section. Between the openings 3 are partitions 4 integral with the body portion 1 of the comb body. Adapted to be inserted in the openings 3 are a plurality of detachable teeth 5 having sharpened lower ends and tapering diamond shaped upper ends adapted to

snugly fit in the openings 3 and arranged to be inserted in these openings through the recess 2. These teeth 5 are fixedly secured in position by means of a detachable strip 6 arranged to fill the recess 2 and be securely retained therein by the following means: The ends of the strip 6 are inclined so that the ends of the recess 2 will overlap the same, and in positioning the strip 6 one end is inserted in the end of the recess under the overlapping end thereof and by slightly bending it as shown in Fig. 3 the opposite end of the strip may be sprung into position under the opposite overhanging end and when completely positioned the strip will be secured thereby.

In order to securely maintain the central portions of the strip 6, one or more holdfast devices, such as screws or pins 7 are passed through the strip 6 and into the material of the body portion at points in the partitions 4 intervening between the openings 3, thereby securely maintaining the strip against unintentional displacement. The upper surface of the strip 6 is preferably adapted to be flush with the upper surface of the body portion 1, thereby constituting a complete filler for the recess 2, presenting an even and smooth surface on the upper face of the strip 6. The teeth are made so that when positioned as shown in Figs. 1, 2 and 3, they will engage in the openings 3 and snugly fit therein and be fixedly secured against looseness, thus providing a comb wherein the teeth, although readily removable at the option of the user are so firmly mounted as to have all the advantages of a comb in which the teeth are integral with the back. Experience has shown that it is frequently desirable to place a thin strip of soft elastic substance, such as vulcanized rubber, on the floor of the recess 2 in order to cushion the union between the under surface of the strip 6 and the rear ends of the teeth 5. This strip of elastic material is indicated in the drawings by the reference numeral 8 in Fig. 2.

It will be seen from the foregoing description that if at any time one of the teeth is broken, all that is necessary to replace the same is to remove the holdfast devices 7; spring the strip 6 out of the recess 2; force the broken tooth from its position in its respective opening 3 and replace it by a new tooth and then replace the strip and the comb is at once restored to its original intact perfect condition.

It will be further apparent that if it is desired to clean the comb all the teeth may be removed by an upward pressure on the pointed ends thereof and after washing and cleansing in an antiseptic solution they may be quickly replaced and the comb be thus cleansed of any foreign substance which accumulated thereon.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is:—

1. A comb comprising a back provided with a longitudinally-extending recess in the rear face thereof, a plurality of openings extending from the floor of said recess downwardly, a plurality of teeth each of which is adapted to be inserted in one of said openings, and a strip positioned in said recess constituting a common abutment for said teeth.

2. A comb comprising a back provided with a longitudinally-extending recess in the rear face thereof, said recess having inclined sides, a plurality of tapering openings extending from the floor of said recess downwardly, a plurality of teeth each of which is adapted to be inserted in one of said openings, and a strip positioned in said recess constituting an abutment for said teeth.

3. A toilet comb comprising a back provided with a recess in the rear face thereof having inclined lateral edges and a plurality of openings extending from the floor of said recess downwardly, a plurality of teeth mounted in said openings and secured therein by frictional engagement with the sides thereof, and a strip adapted to fill said recess for securing said teeth against dislodgment.

4. A comb comprising a back provided with a recess in the rear face thereof having overhanging end portions and a plurality of openings spaced apart extending from the floor of said recess downwardly, the spaces between said openings constituting partitions integral with the back of said comb, a plurality of teeth frictionally mounted in said openings, and a filler strip constituting

an abutment for the rear ends of said teeth provided with inclined ends adapted to be sprung into said recess and be secured in position by the overhanging ends of said recess.

5. A toilet comb comprising a back provided with a recess in the rear face thereof having overhanging ends and a plurality of tapering openings extending from the floor of said recess downwardly, a plurality of teeth mounted in said openings the spaces between said openings constituting partitions integral with the back of said comb, a filler strip adapted to be positioned in said recess provided with inclined end portions arranged to engage under the overhanging ends of said recess, and a holdfast device for securing the medial portion of said strip to the back of said comb.

6. A comb comprising a back provided with a recess in the rear face thereof, said recess having inclined lateral sides and overhanging ends and a plurality of spaced apart openings extending from the floor of said recess downwardly, a plurality of teeth mounted in said openings, a filler strip adapted to constitute an abutment for said teeth arranged to be sprung into said recess and be secured under the overhanging end portions thereof, and a cushioning strip of elastic material interposed between the floor of said recess and the bottom of said strip.

7. A toilet comb comprising a back provided with a recess in the rear face thereof and a plurality of spaced apart diamond-shaped openings extending from the floor of said recess downwardly, a plurality of teeth similar in cross-section to said openings mounted in said openings and a strip constituting an abutment for said teeth positioned in said recess.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

GEORGE P. HOMEIER.

Witnesses:

GLENARA FOX,
C. E. HUMPHREY.