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COMB

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Fig. 1.

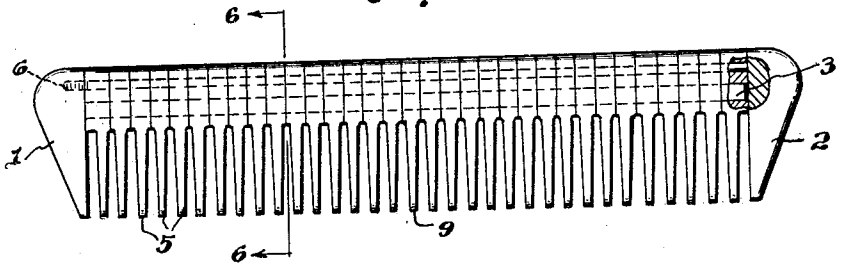


Fig. 2.

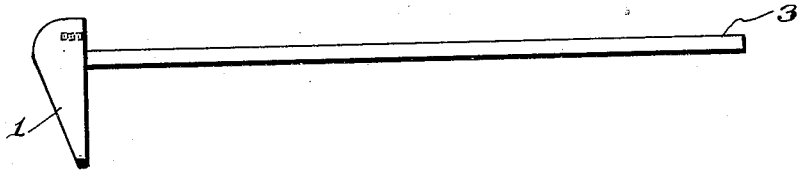


Fig. 3.

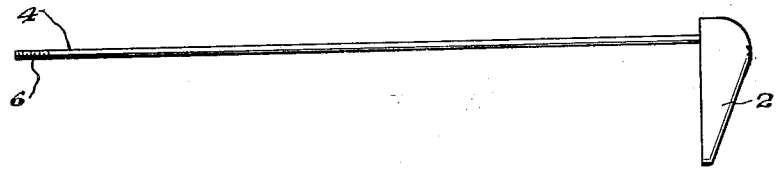
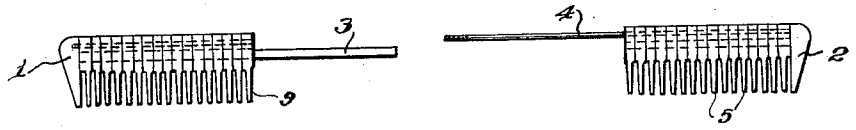


Fig. 4.



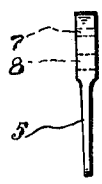


Fig. 5.

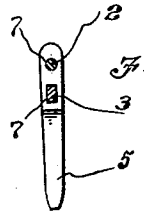


Fig. 6.

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Fig. 7.

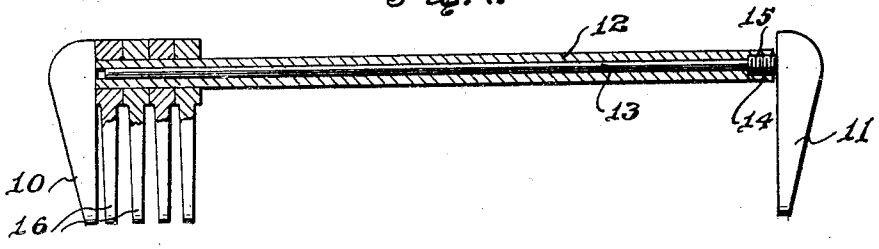


Fig. 8.

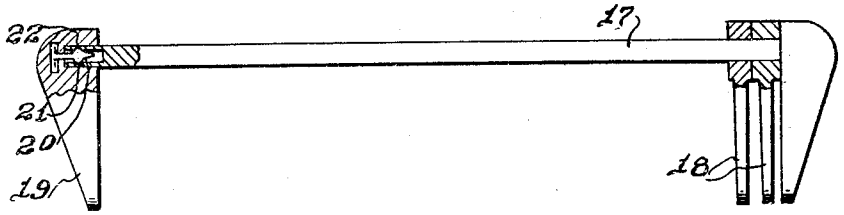


Fig. 9.

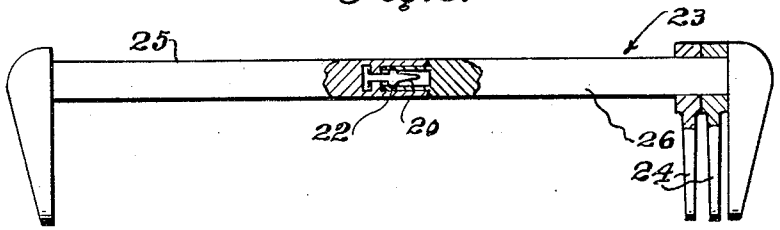


Fig. 10.

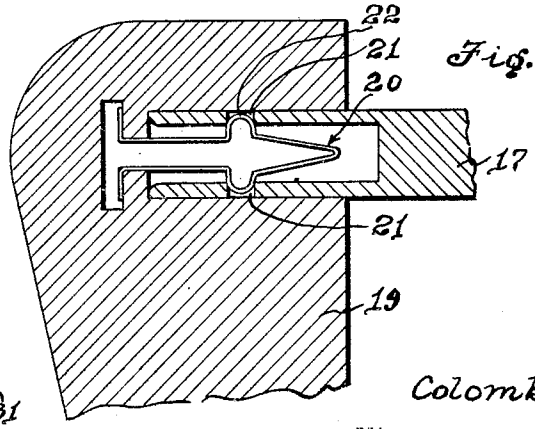
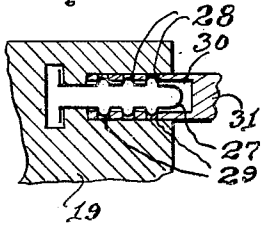


Fig. 11.



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Patented Mar. 1, 1932 1,847,347

UNITED STATES PATENT OFFICE

COLOMBO MAISTO, OF NEW YORK, N. Y.

COMB

Application filed March 3, 1930. Serial No. 432,834.

This invention relates to combs and more particularly to combs having removable teeth.

The principal object of the invention is to provide a comb having individual teeth which can be replaced when broken or which can be taken apart for cleaning purposes.

Another object of the invention is to provide a comb having rods attached to the end comb elements which support the teeth in alignment.

Still another object of the invention is to provide a comb consisting of individual teeth supported in alignment and so arranged that any of the teeth could be removed or replaced without disrupting the rest of the teeth.

Other objects of the invention will appear as the disclosure progresses. The drawings are intended to merely indicate a possible embodiment of the invention. It is obvious that the actual needs of manufacture may necessitate certain mechanical changes. It is therefore not intended to limit the embodiment illustrated but rather to define such limits in the appended claims. For a more general understanding of the invention attention is called to the drawings in which a preferred embodiment of the invention is shown. In these drawings like reference characters denote like parts throughout the specification. In the drawings

Figure 1 is a view of the assembled comb.

Figure 2 is a view of one of the comb elements.

Figure 3 is a view of the opposite comb element.

Figure 4 is a view of the comb partly disassembled.

Figure 5 is a view of one of the teeth.

Figure 6 is a section on line 6—6 of Figure 1.

Figure 7 is a modified form of the invention.

Figure 8 is another modified form of the invention.

Figure 9 is another modified form of the invention.

Figure 10 is a detail of the form of the invention shown in Figure 8.

Figure 11 is another modified form of the invention.

Referring now to the drawings in detail numerals 1 and 2 designate the end teeth and 3 and 4 rods attached to the end teeth for supporting the individual teeth 5.

The rod 3 is oblong in section while the rod 4 is round in section and the end thereof is provided with a thread 6. Cut in each of the individual teeth are holes 7 and 8 through which the rods 3 and 4 pass. In assembling the comb the teeth are first placed upon the rod 3. As this rod is oblong in section the teeth will all be perfectly aligned with each other. The rod 4 is then passed through the successive holes 7 of the teeth and the threaded end 6 screwed in place.

If any of the teeth, say tooth 9 becomes broken so it needs to be replaced the said tooth could be removed without disrupting the rest of the teeth by simply unscrewing the rod 4, separating one set of the teeth from the other set in the manner shown in Figure 4 and then sliding off the said tooth to be removed from its support. Also when it is desired to clean the teeth one half of the number could be supported on one rod while the other half on the other rod as shown in Figure 4 and the teeth separated from each for cleaning purposes without removing them from their respective supports. The means for fastening the comb together and holding the teeth are hidden from view so that when the device is assembled its appearance is like a standard comb.

In the modified form of the invention shown in Figure 7 numerals 10 and 11 designate the end teeth, 12 a hollow rod attached to the tooth 10, and 13 a stem attached to the tooth 11 which fits into the hollow rod and provided with a thread 14 at one end which engages with the thread 15 of the said hollow rod. It will be seen that to assemble the end teeth 10 and 11 and the intermediate teeth 16 together all that is necessary is to pass the stem 13 into the hollow rod 12 and screw in place.

In Figure 8 is shown a modified form of the invention whereby the device is assembled by the rod 17 which supports the teeth 18

snapping into the end tooth 19. Numeral 20 designates a snap made out of resilient material embedded at one end into the tooth 19 and numeral 21 a set of recesses formed in the rod 17 for allowing the bosses 22 of the snap to fit therein.

The snapping means shown in Figure 9 is the same as that shown in Figures 8 and 10 with the exception that the rod 23 which supports the intermediate teeth 24 is formed of two half members 25 and 26 and is snapped together in the center.

In Figure 11 is shown a modified form of the invention whereby the snap 27 is provided with a series of bosses 28 which fit into recesses 29 formed into the end 30 of the rod 31.

It will thus be seen that I have provided a simple and efficient comb having replaceable teeth which can be easily assembled or disassembled. Should any one of the teeth become broken it can be removed and replaced without disrupting the rest of the teeth from their supports.

Having described my invention, I claim:—

1. In a comb of the class described, the combination of a set of end teeth, of a set of individual intermediate teeth, and means to support said intermediate teeth from said end teeth, said means including rods fastened together in the center.

2. In a comb of the class described, the combination of two end teeth, of a set of intermediate individual teeth, rods fastened together in the center, and means to support said intermediate teeth by said rods.

3. In a comb of the class described, the combination of end teeth and intermediate teeth, of a rod attached to one of said end teeth and supporting said intermediate teeth, a snap attached to the other of said end teeth, and means at the end of said rod for snapping said rod into the last mentioned end tooth.

4. In a comb of the class described, the combination of a set of end teeth, of a set of individual intermediate teeth and means to support said intermediate teeth from said end teeth, said means including rods fastened together in the center by a snap.

5. In a comb of the class described, the combination of two end teeth, of a set of intermediate individual teeth, rods fastened together in the center by a snap, and means to support said intermediate teeth by said rods.

In testimony whereof I affix my signature.

COLOMBO MAISTO.