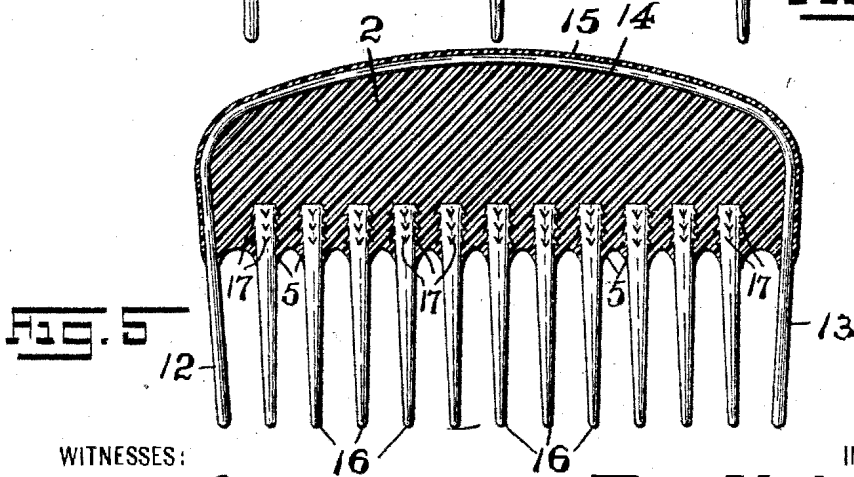
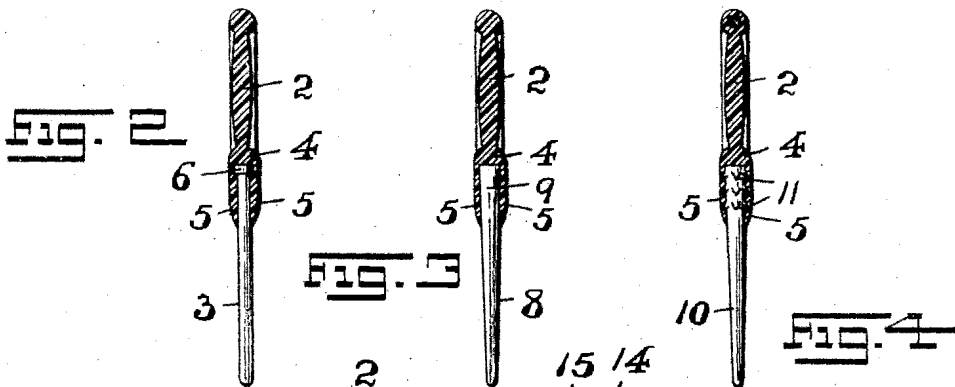
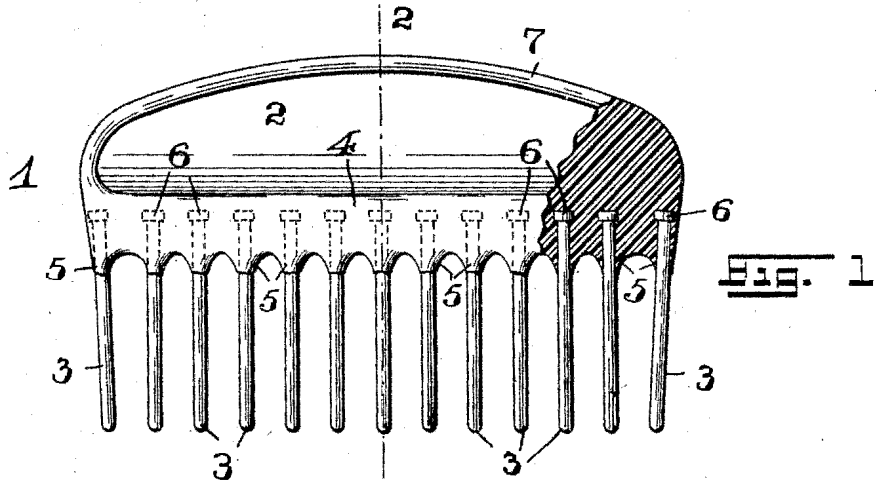


No. 892,864.

PATENTED OCT. 9, 1906.

D. C. LOCKWOOD.
COMB.

APPLICATION FILED OCT. 30, 1905.



WITNESSES:

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COMB.

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Specification of Letters Patent.

Patented Oct. 9, 1906.

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To all whom it may concern:

Be it known that I, DAVID C. LOCKWOOD, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Combs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the numerals of reference marked thereon, which form a part of this specification.

This invention has reference generally to improvements in combs, and the invention has reference more particularly to a novel construction of comb for use in combing the manes and tails of horses.

My present invention has for its primary object to provide a simple, neat, and cheaply-constructed comb of the character hereinafter set forth comprising a back or body of plastic material and teeth of metal having their upper end portions or shanks molded directly in the plastic material, whereby sufficient spring or resiliency of the metal teeth with relation to the main body or back of the comb is the result and whereby a horse's comb is the result which is light in weight and in which there is no possibility of breaking the teeth in passing the comb through a heavy body of hair, as is so often the case where the teeth and back or body of the comb are all made in an integral piece.

Other objects of this invention not at this time more particularly mentioned will be clearly understood from the following detailed description of my present invention.

With the various objects of this invention in view the said invention consists in the novel comb hereinafter set forth; and, furthermore, this invention consists in the various arrangements and combinations of parts, as well as in the details of the construction of the same, all of which will be hereinafter set forth and then finally embodied in the clauses of the claim which are appended to and which form an essential part of this specification.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 is a part front face view and part longitudinal vertical section of one form of

comb embodying the principles of my present invention; and Fig. 2 is a transverse section of the comb, said section being taken on line 2 2 in said Fig. 1. Figs. 3 and 4 are transverse sectional representations of slightly-modified forms of combs embodying the features of this invention, and Fig. 5 is a longitudinal vertical section of still another modified form of comb.

Similar characters of reference are employed in the above-described views to indicate corresponding parts.

Referring now to the several figures of the drawings, the reference character 1 indicates the complete comb, the reference-numeral 2 indicating the main body or back of the same, and 3 the teeth. The said main body or back 2 is made from any suitable plastic material—such as celluloid, hard rubber, or the like—and may be of any suitable marginal configuration 7 and surface-ornamentation. Ordinarily the said main body or back is formed with a lower enlarged portion 4, having the downwardly-depending members 5, all made from a plastic material, as has been stated. Extending from each member 5 is a metal tooth 3, the upper portion of which is secured in the plastic material of which the said body or back 2 of the comb is made by being molded therein during the process of the manufacture of the article.

As shown in said Figs. 1 and 2 of the drawings, the said metal teeth 3 may be made in the form of wire nails, the upper portion of each tooth being made upon its free end with an enlargement or head 6, which is thoroughly embedded in the plastic material and is held against any possible displacement from said body or back 2 by the said enlargement or head 6, as will be clearly understood from an inspection of said Figs. 1 and 2 of the drawings. It will thus be seen that there is no possibility of any one or more of the teeth 3 working loose, and the teeth 3 being made of metal great resiliency is the result, which enables the comb to be readily drawn through the heavy mane or tail of the horse without any danger of breaking or dislocating the teeth.

If desired, tapered teeth 8, as clearly indicated in Fig. 3 of the drawings, may be used, in which case the enlarged upper portion 9 of each tooth is arranged and molded directly in the plastic body or back of the comb. From an inspection of said Fig. 3 it will be

evident that the said enlarged or wedge-shaped portion 9 of each tooth 8 is such that the tooth cannot be loosened or pulled from its fixed relation with the plastic body of the comb, and, furthermore, there is no possibility of any one or more of the teeth being broken off. As a modification of either of these constructions teeth 10 (see Fig. 4 of the drawings) may be used, each tooth having a roughened or serrated upper portion 11, molded directly in the plastic body or back of the comb, so as to guard against any possible displacement of said teeth 10 from their fixed relation with the said plastic body.

When a more expensive comb is desired, the comb may be constructed in a manner indicated in Fig. 5 of the drawings. In this construction the end teeth 12 and 13 of the comb are integrally connected with a wire loop or strap 14 or other metal connecting member, which is embedded in the plastic material and near the outer marginal edge 15 of the said main body or back 2 of the comb, as shown. The remaining metal teeth 16, arranged between the said end teeth 12 and 13, are of any one of the constructions shown in the other figures of the drawings and previously described in the foregoing specification. In the present form of comb I have shown the teeth 16 provided upon their upper and embedded portions with roughened or serrated parts 17, similar to those of the construction represented in said Fig. 4 of the drawings; but of course it will be understood that instead of this form of teeth the forms of teeth shown in said Figs. 1, 2, and 3 may be used.

Having thus described my invention, what I claim is—

1. The herein-described comb, comprising a main body, formed with an enlarged lower portion and downwardly-depending members, all made from a plastic material, a

metal tooth extending from each downwardly-depending member, and the upper portion of each tooth being embedded in said enlarged lower portion of said plastic material, substantially as and for the purposes set forth.

2. The herein-described comb, comprising a main body, formed with an enlarged lower portion and downwardly-depending members, all made from a plastic material, a metal tooth extending from each downwardly-depending member, and each tooth being provided with an enlarged holding portion embedded in said enlarged lower portion of said plastic material, substantially as and for the purposes set forth.

3. The herein-described comb, comprising a main body, formed with an enlarged lower portion and downwardly-depending members, all made from a plastic material, a metal tooth extending from each downwardly-depending member, and a head upon the upper end of each tooth embedded in the enlarged lower portion of said plastic material, substantially as and for the purpose set forth.

4. The herein-described comb, comprising a main body, formed with an enlarged lower portion and downwardly-depending members, all made from a plastic material, a resilient metal tooth extending from each downwardly-depending member, and a head upon the upper end of each tooth embedded in the enlarged lower portion of said plastic material, substantially as and for the purposes set forth.

In testimony that I claim the invention set forth above I have hereunto set my hand this 27th day of October, 1905.

DAVID C. LOCKWOOD.

Witnesses:

EDITH LOCKWOOD,
FREDK. C. FRAENTZEL.

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