(No Model.)

W. & W. H. NOYES.

COMB.

No. 258,248. Patented May 23, 1882.

FIG. 1.

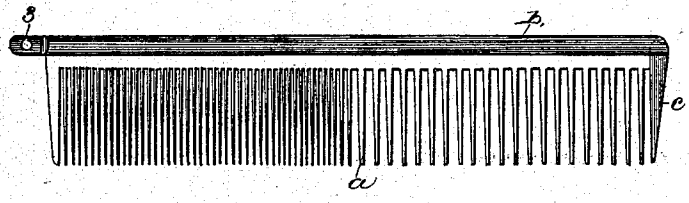
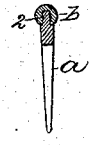


FIG. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM NOYES AND WILLIAM H. NOYES, OF NEWBURYPORT, MASS.

COMB.

SPECIFICATION forming part of Letters Patent No. 258,248, dated May 23, 1882.

Application filed June 16, 1881. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM NOYES and WILLIAM H. NOYES, of Newburyport, county of Essex, State of Massachusetts, have invented an Improvement in Combs, of which the following description, in connection with the accompanying drawings, is a specification.

This invention consists, as an improved article of manufacture, in a comb having its back made of a solid rod or wire provided with a longitudinal groove to receive the horn portion of the comb, which is forced therein under a considerable pressure, fitting the said groove so tightly as to prevent the back from being removed accidentally. We provide the comb with a guard-tooth made of a separate piece of metal from the back of the comb and fastened therein, preferably by solder.

Figure 1 represents in side elevation one of our improved combs, and Fig. 2 is a cross-section thereof.

The main or toothed portion *a* of the comb may be of any desired size and material.

The back *b* is made of a rod or wire, preferably of rolled or drawn brass, and has a groove, 2, cut therein to receive the back of the main portion *a* of the comb, which completely fills the said groove, as shown in Fig. 2, and is supported and strengthened by the metal portion *b* surrounding it.

One end of the metal back is shown at Fig. 1 as provided with an eye, 3, to enable it to be hung up by a cord or chain, while at the other end a metallic guard-tooth, *c*, is provided, it extending up into the groove 2 of the back portion, *b*, to which it is rigidly fastened by solder, or otherwise.

In the old form of metal-back combs soft brass was used, and its edges were folded about the back of the comb into lateral grooves therein. The strength of the back therefore was entirely dependent upon the strength of the turned-in edges, and in order to obtain sufficient resistance for these the body of the back had to be made quite thick and large, often disproportionately so. Where combs have been backed with horn, wood, or other non-metallic substance, while pleasing ornamental effects may be obtained, no increased strength is had. Combs composed of metal teeth, soldered or cemented in an open-jointed or trough-like tubular back, have heretofore been made; but we disclaim such construction as not of our invention. By the use of rod or wire metal, which is usually rigid and hard, and grooving the same, we get greater strength than was heretofore obtained, at a less cost in time and material and with less material.

We claim—

As an improved article of manufacture, the herein-described comb, consisting of the toothed portion *a*, the metal back *b*, made from a solid rod or wire grooved to receive and hold the toothed portion *a*, and the metal guard-tooth *c*, rigidly fastened in the said groove, substantially as and for the purpose described.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

WILLIAM NOYES.
WILLIAM H. NOYES.

Witnesses:
HIRAM P. MACINTOSH,
DANIEL P. THURLUM.