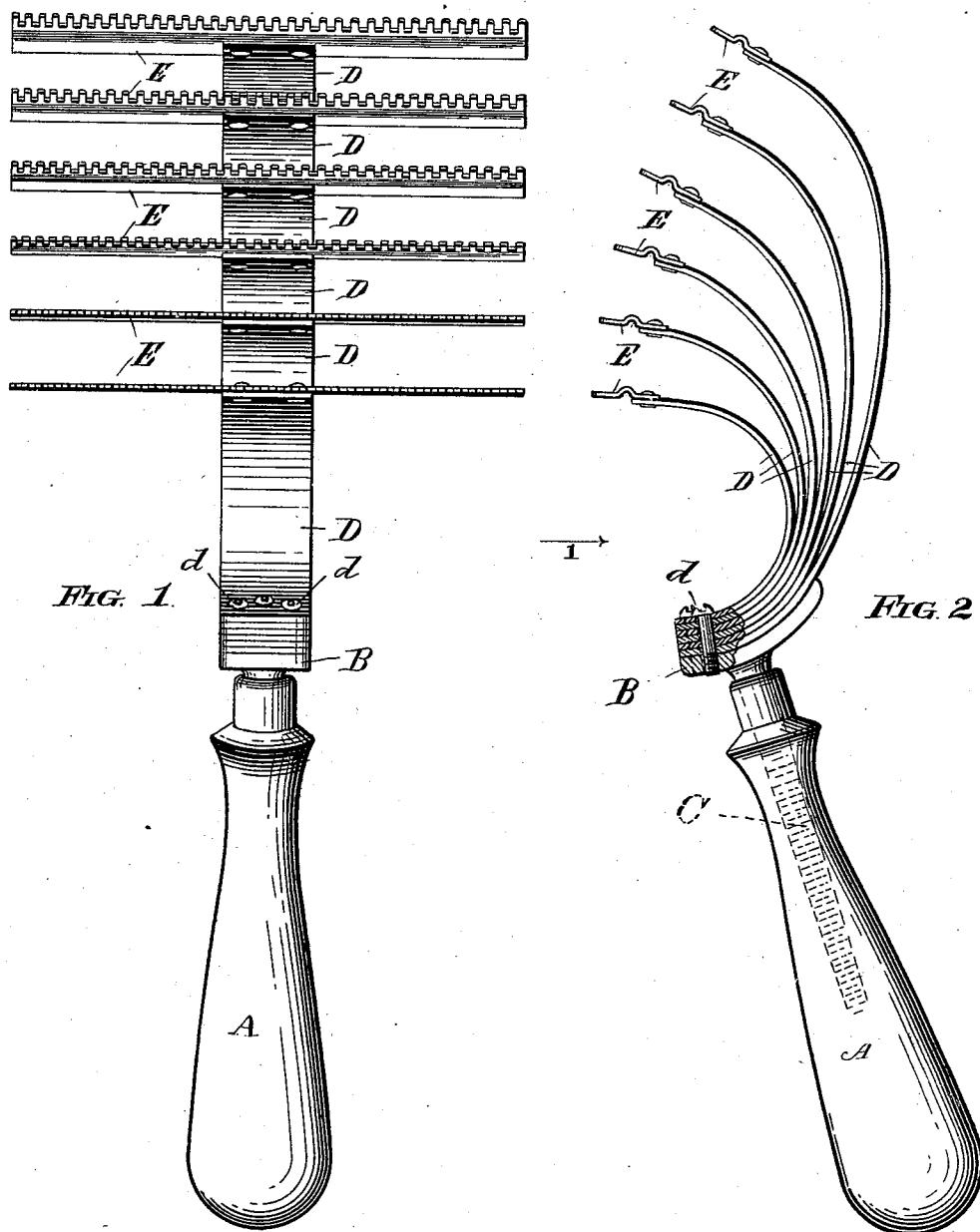


(No Model.)

W. T. KELLEY.
CURRYCOMB.

No. 532,564.

Patented Jan. 15, 1895.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM THOMAS KELLEY, OF CHICAGO, ILLINOIS.

CURRYCOMB.

SPECIFICATION forming part of Letters Patent No. 532,564, dated January 15, 1895.

Application filed December 1, 1893. Serial No. 492,547. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM THOMAS KELLEY, a citizen of the United States, residing at Chicago, in the county of Cook and State 5 of Illinois, have invented certain new and useful Improvements in Currycombs, of which the following is a specification, reference being had to the accompanying drawings, which are made a part hereof, and in which—

10 Figures 1 and 2 are elevations of the improved curry-comb viewed from different positions.

One of the objects of the present invention is to provide a curry-comb having a number 15 of separate combing sections, each and every one of which is so supported that it is movable independently of every other combing section, and of every other portion of the comb excepting only the spring support by 20 which it is carried.

A further object of the invention is to provide a curry-comb of this character in which the movement of all of the blades is resisted by an equal force.

25 A further object of the invention is to provide a curry-comb of such construction that it may be used for combing the manes and tails of horses.

To these ends the invention consists in the 30 features of novelty that are particularly pointed out in the claims hereinafter.

In the drawings A represents the handle, and B a metallic plate provided with a threaded stem C which is screwed into the 35 handle. The plate B forms in effect a base or foundation of adequate strength to which one end of each of a number of spring supports D is secured by some suitable means, as, for example, by screws d. These spring 40 supports are of (substantially) C-shape, and are constructed upon curves of different radii, so that when they are placed one within another, and each of them has one of its ends secured to the handle, they all diverge from 45 their points of attachment to their extremities and terminate in substantially the same plane. To the extremity of each of these spring supports is secured one of the combing sections (which, as shown in the drawings, 50 consists of a toothed blade E) all of which are so located that their toothed sides lie in substantially the same plane.

It will be understood that in a curry-comb thus constructed each of the several spring supports proceeds from the handle to the 55 combing section which it supports without coming in contact with any other of the supports or with any other of the combing sections, so that each combing section is movable independently of every other combing section, and independently of all of the spring supports excepting only the one by which it is carried, so that the force by which it is held to its work depends solely upon the resisting force of its spring support, and, in order that 60 the necessary inequalities in the lengths of the supports shall not result in corresponding inequalities in the resistance which they offer to the movement of the combing sections, as aforesaid, the several spring supports 70 should be of successively increasing thickness, or tempered to different degrees.

Spring supports of C-shape, arranged as described, permit the combing sections to move or yield not only in the direction of their 75 own several planes, but also in the direction of the common plane in which they all lie, and so far as I am aware, I am the first to provide a comb which has this action.

By using combing sections consisting of 80 plates or blades of uniform length, and by attaching each of them at an intermediate point to its support so that they project a considerable distance from their points of attachment, each of them forms in effect a long tooth of 85 a comb that may be used to advantage in combing manes and tails. In order that these blades may have the requisite strength, and at the same time be of minimum weight and thickness, each is provided with a longitudinal 90 rib or corrugation.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. In a curry comb, the combination of a 95 handle, a spring support secured thereto and extending therefrom, a combing section secured to said support, a second spring support separate from and independent of the first, secured to the handle and extending therefrom, past the combing section aforesaid but without contact therewith, and a second combing section secured to the second support, the second combing section being entirely sepa-

rate from and independent of the combing section first aforesaid, substantially as set forth.

2. In a curry-comb, the combination of a handle, a spring support of C-shape secured thereto at one end and extending therefrom, a combing section secured to said support, a second spring support of C-shape separate from and independent of the first, secured to the handle and extending therefrom, past the combing section aforesaid but without contact therewith, and a second combing section secured to the second support, the second combing section being entirely separate from and independent of the combing section first aforesaid, substantially as set forth.

3. In a curry-comb, the combination with a handle, of a plurality of spring supports of C-shape and of successively increasing radii located one within the other and all secured at one end to the handle so that they diverge from their point of attachment to their extremities and terminate in a common plane,

and a plurality of combing sections all located in a common plane and each secured to one of the spring supports, substantially as set forth.

4. A curry-comb having, in combination, a number of blades of uniform length each having teeth on but one of its sides, and spring supports apart from other supports and other comb-sections to which each of said blades is attached at an intermediate point and from which each blade projects, the projecting portions of the several blades being entirely free and disconnected from each other so that an unobstructed opening is left between the projecting portion of each blade and the next whereby the projecting portions of the blades form so many teeth of a comb adapted for 40 combing manes and tails, substantially as set forth.

WILLIAM THOMAS KELLEY.

Witnesses:
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