V. SARTELL.

FLUID DISTRIBUTING COMB.

APPLICATION FILED OCT. 1, 1908.

940,196. Patented Nov. 16, 1909.

Fig. 1

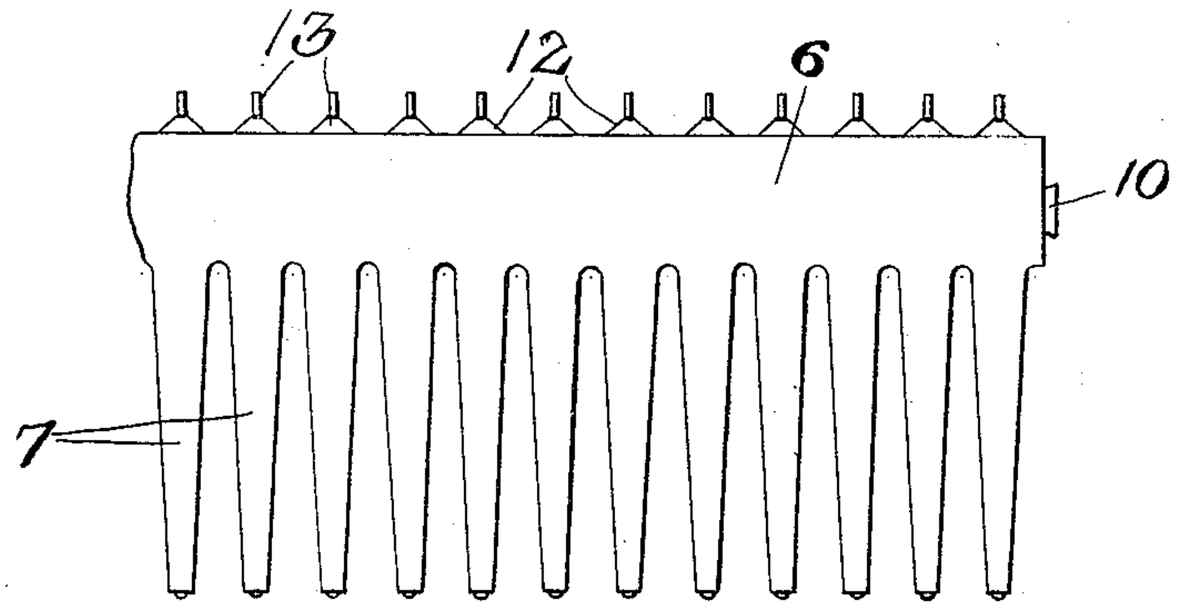
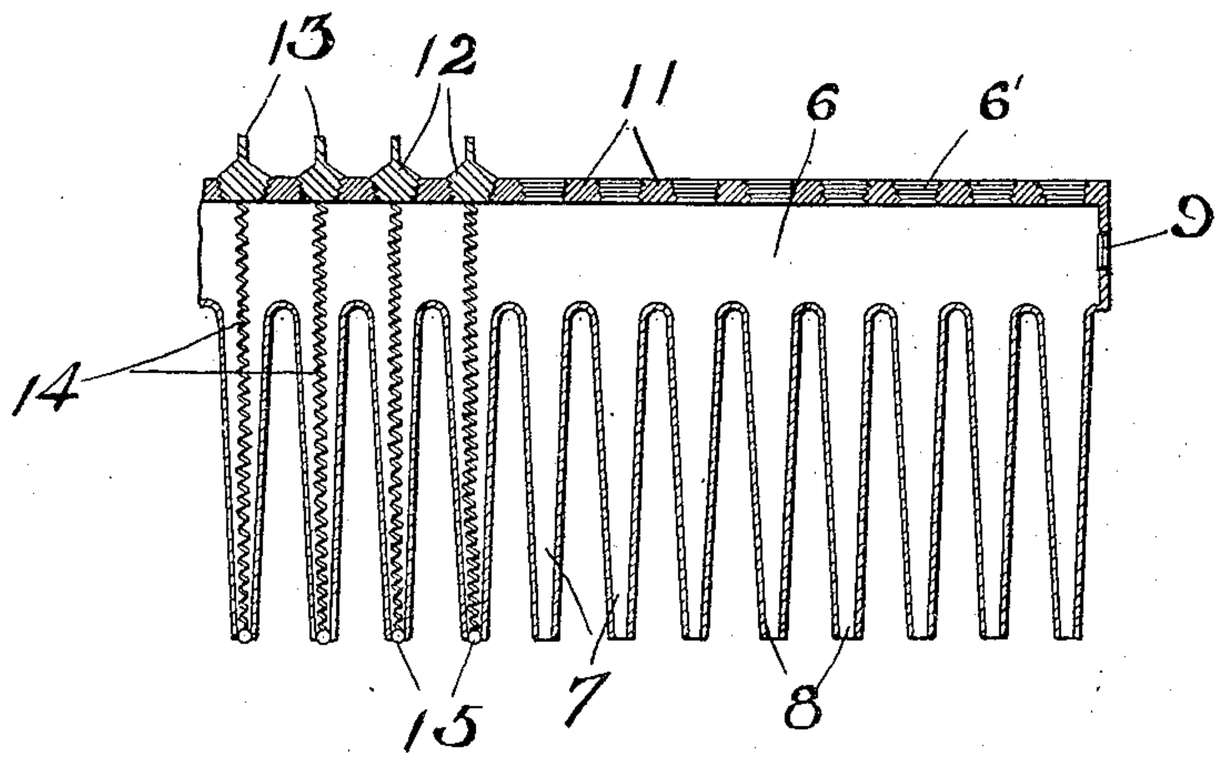


Fig. 2



Witnesses

May Noel

C. Carter Sheriff

Inventor

Vernie Sartell.

By Woodward & Chandlee

Attorneys

UNITED STATES PATENT OFFICE.

VERNIE SARTELL, OF HIGHWOOD, MONTANA.

FLUID-DISTRIBUTING COMB.

940,196. Specification of Letters Patent. Patented Nov. 16, 1909.

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To all whom it may concern:

Be it known that I, VERNIE SARTELL, a citizen of the United States, residing at Highwood, in the county of Chouteau and State of Montana, have invented certain new and useful Improvements in Fluid-Distributing Combs, of which the following is a specification.

This invention relates to toilet articles and more particularly to combs, and has for its object to provide a comb constructed and arranged for the distribution of liquid to the scalp of the user.

Another object is to provide a comb of this kind which will include few parts and which will be such that there will be little or no tendency of the parts to stick through hardening of the substance within the comb.

A further object is to provide a comb of this kind which may be easily cleaned when necessary.

Other objects and advantages will be apparent from the following description, and it will be understood that changes in the specific structure shown and described may be made within the scope of the claims without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side elevation of the present comb, Fig. 2 is a longitudinal section.

Referring now to the drawings, there is shown a comb comprising a longitudinally extending hollow back portion 6, carrying a plurality of depending hollow teeth 7. The teeth communicate at their upper ends with the hollow back 6, and at their points, the teeth are provided with discharge outlets 8.

At one end, the back portion 6 is provided with a threaded opening 9, which receives a similarly threaded closing plug 10. Through the opening 9, medicines and other liquids may be introduced into the comb.

Formed in the top 6′ of the back 6, there is a longitudinally extending series of threaded openings 11, one of these openings being located above the upper end of each tooth 7.

Engaged in each opening 11, there is a removable threaded plug 12, having a finger piece 13, by which it may be operated, and carrying a downwardly extending helical spring 14, provided with a ball valve 15 at its lower end. The several ball valves 15 are arranged to lie normally in a position to close the discharge openings 8, the springs 14 holding the ball valves in such position. It will be observed that when the comb is in use, the valves will engage the scalp of the user and will be forced upwardly to permit of the exit of a portion of the contents of the comb. By reason of the fact that the openings 11 in which the plugs 12 are engaged are located one above each of the teeth 7, the removal of the plugs permits of the engagement of a straw or similar article into the teeth to dislodge any foreign matter plugging the discharge openings 8. It will be observed that the removal of the plugs 12 will also remove the springs 14 and valves 15.

From the foregoing, it will be seen that applicant's structure is extremely simple and thus cheap. It will also be observed that the only point at which any clogging could occur is at the lower end of each tooth. By reason of the fact, however, that the closing valves 15 are directly engaged by the scalp of the user when the comb is employed, the operation of the comb brings force directly against these valves, and they are thus easily released.

What is claimed is:—

1. In a liquid distributing comb, the combination with a hollow back portion, of depending hollow teeth communicating with the back portion, said teeth having openings at their points, said back having a plurality of threaded openings therein, one above each tooth, of a plurality of threaded plugs one engaged in each of the threaded openings, a helical spring secured at its upper end to each of the plugs, said springs extending downwardly within the teeth, and valves secured to the lower ends of the springs and arranged to lie normally in position to close the openings at the points of the teeth, said springs, valves and plugs being connected for simultaneous removal.

2. In a fluid distributing comb, the combination with a hollow back portion, and a plurality of depending hollow teeth communicating with the back portion, said teeth having liquid discharge openings at their points, said back portion having a plurality of openings therein one located above each tooth, of a plurality of plugs, one of said

plugs being engaged in each of the second named openings, and a helical spring secured in each plug, said springs extending downwardly from the plugs and into the depending teeth, and valves rigidly secured to the lower ends of the springs and arranged to lie normally in a position to close the liquid discharge openings of the teeth, said springs and valves being arranged for removal from the device simultaneously with the plugs.

In testimony whereof I affix my signature, in presence of two witnesses.

VERNIE SARTELL.

Witnesses:
JOHN N. THELEN,
MARY SULLIVAN.