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A. O. CRAVEN.
COMBINED COMB CASE AND CLEANER.
APPLICATION FILED MAY 4, 1905.

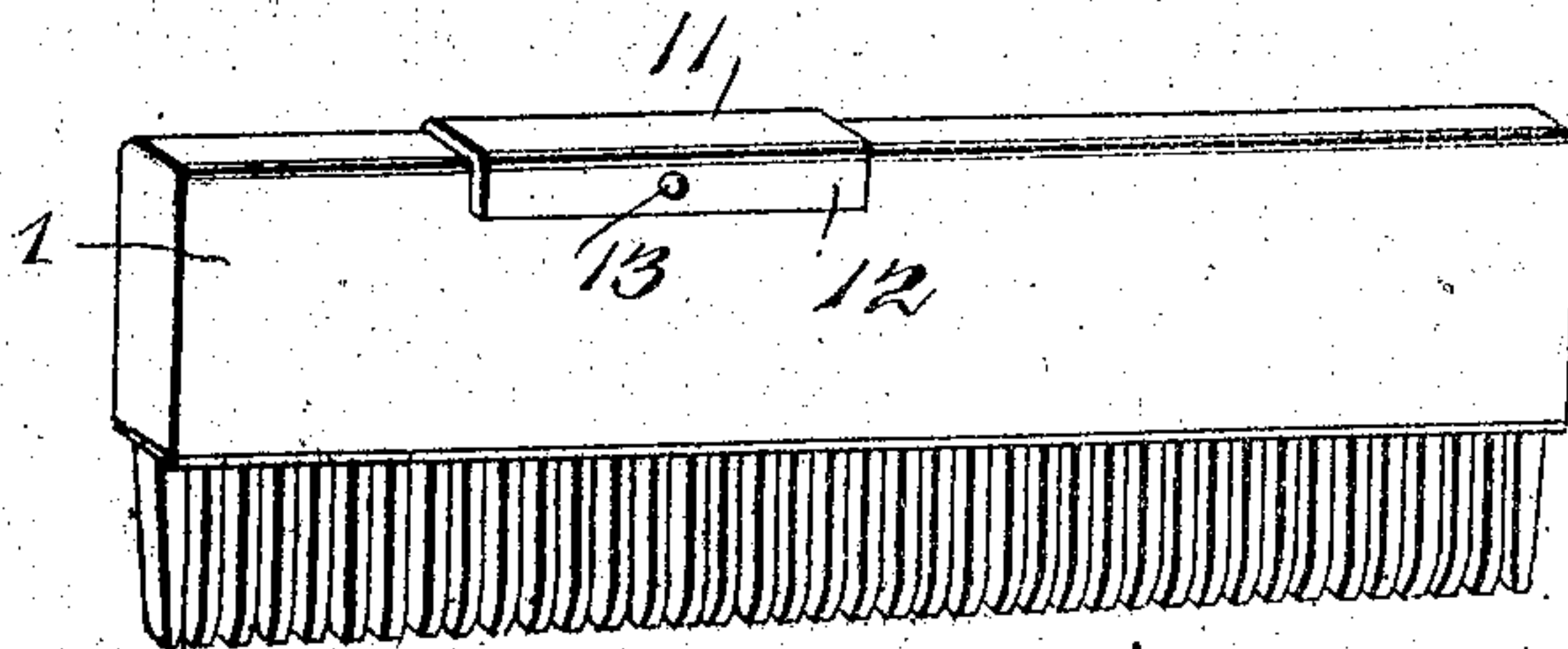


Fig. 1.

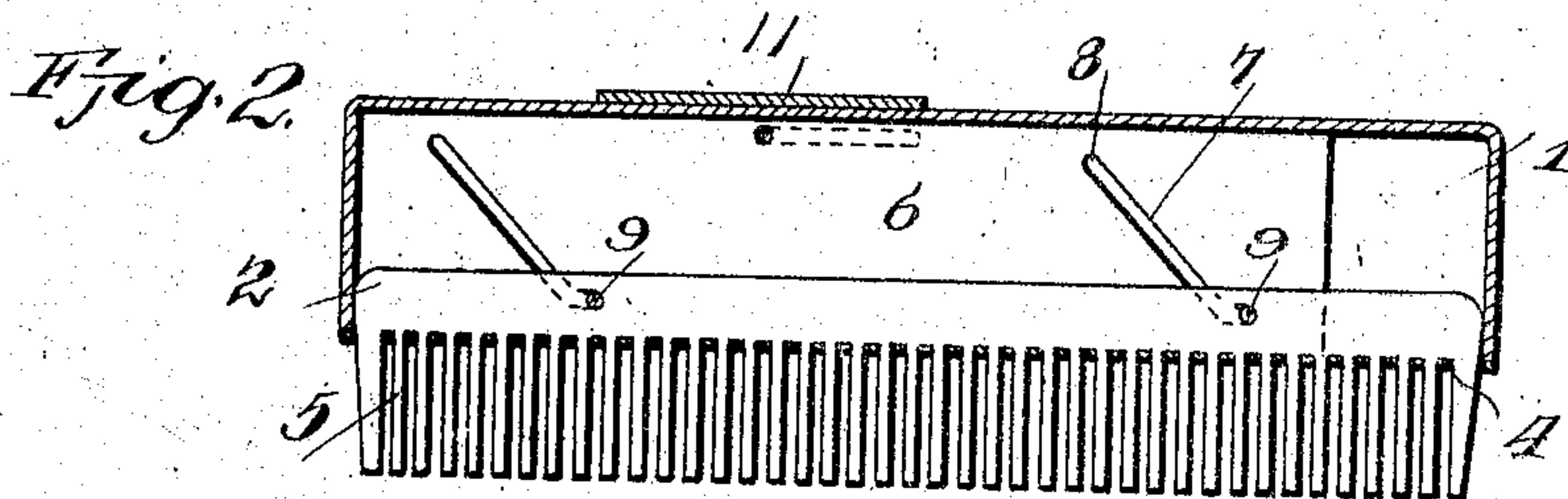


Fig. 2.

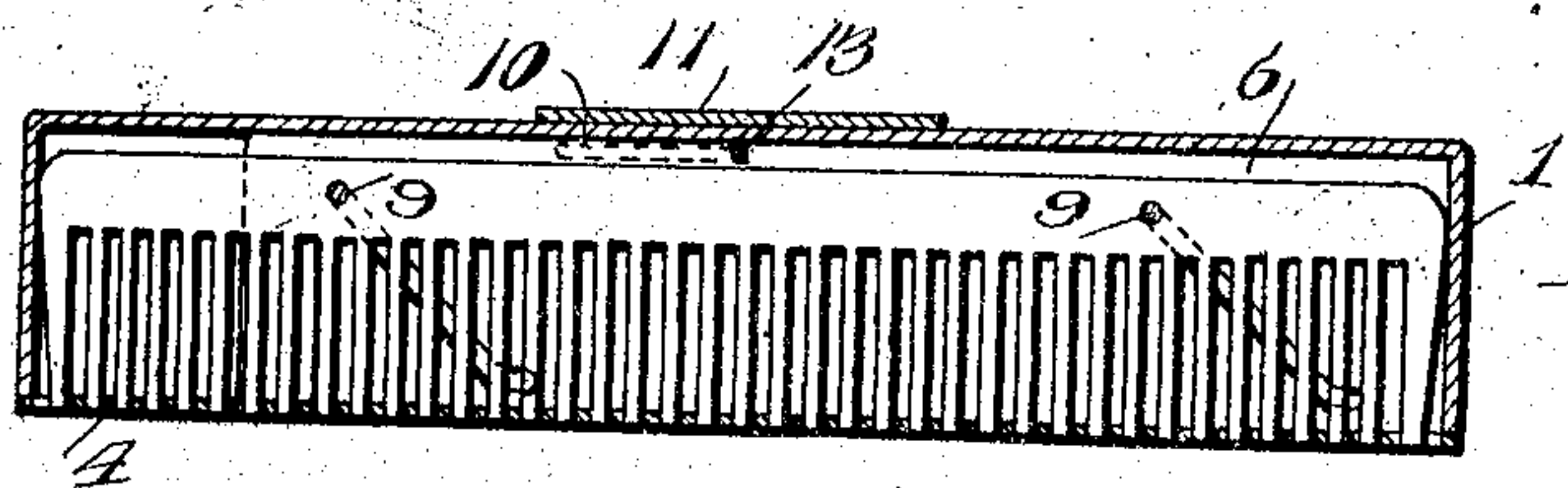


Fig. 3.

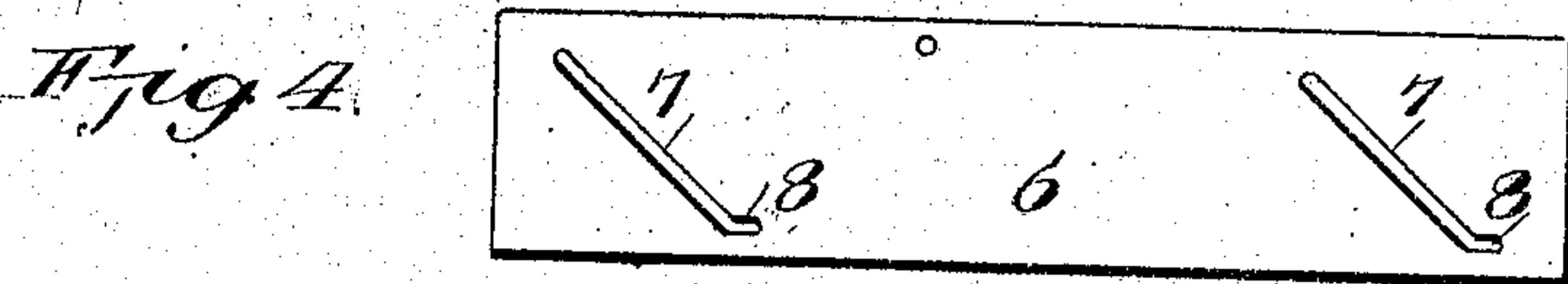


Fig. 4.

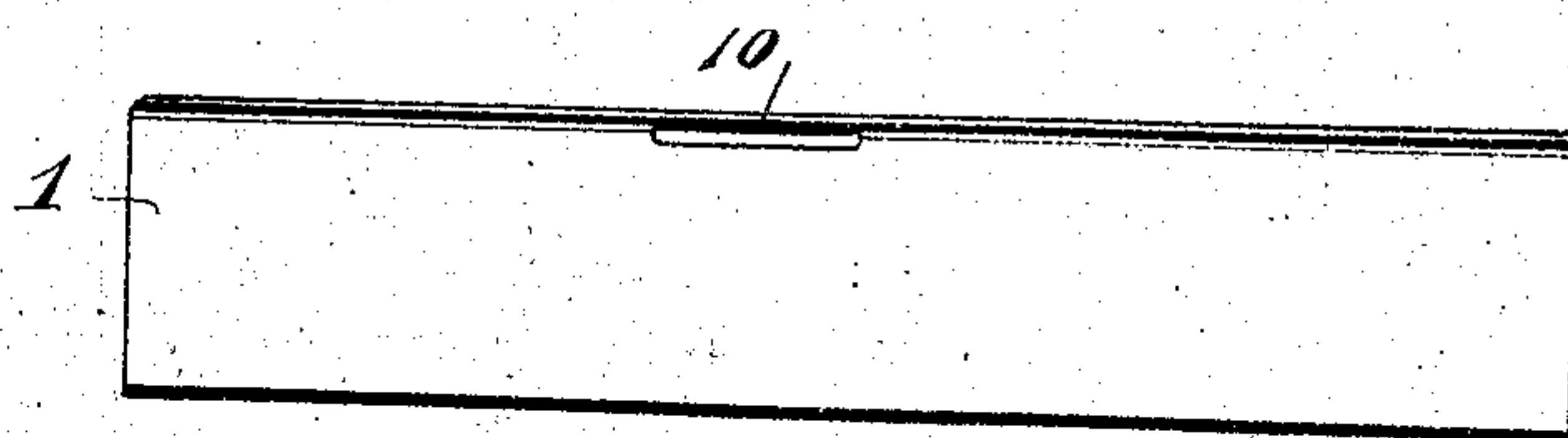


Fig. 6.



Fig. 7.

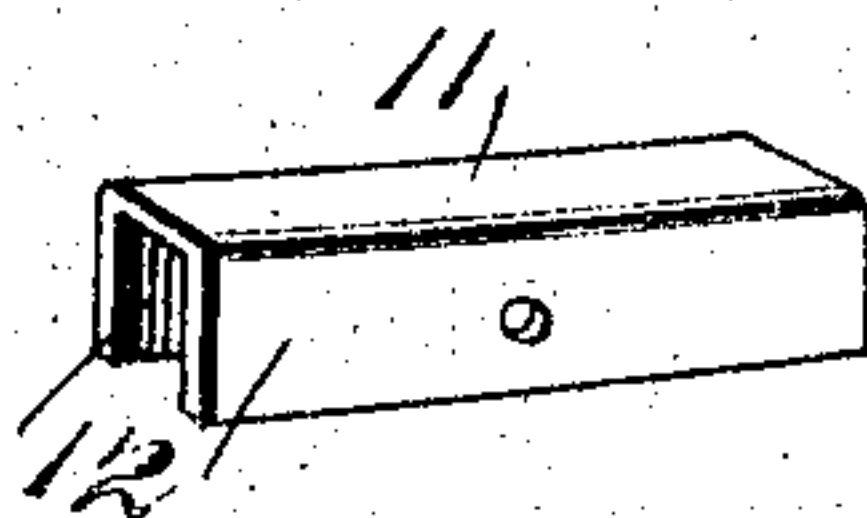


Fig. 5.

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COMBINED COMB CASE AND CLEANER.

No. 815,798.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, AUSTIN O. CRAVEN, a citizen of the United States of America, residing at Providence, in the county of Providence and State of Rhode Island, have invented new and useful Improvements in a Combined Comb Case and Cleaner, of which the following is a specification.

This invention relates to combs, the object of the invention being to provide a combined pocket and self-cleaning comb in which the comb proper is contained in a case so constructed as to effect a cleaning of the teeth of the comb as the latter is moved inwardly into the case, the comb also embodying means whereby the comb proper may be mechanically forced outward and inward relatively to the containing-case, all parts of the comb and the operating devices therefor being either carried by or inclosed within the case.

With the above and other objects in view, the nature of which will more fully appear as the description proceeds, the invention consists in the novel construction, combination, and arrangement of parts, as hereinafter fully described, illustrated, and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a comb embodying the present invention, showing the same in condition for use. Fig. 2 is a longitudinal section through the same, showing the teeth projected. Fig. 3 is a similar section showing the teeth retracted. Fig. 4 is a plan view of the combined actuating and locking slide. Fig. 5 is a detail view of the thumb-piece. Fig. 6 is a side elevation of the case, and Fig. 7 is a bottom edge view of the same.

Like reference-numerals designate corresponding parts in all the figures of the drawings.

The comb contemplated in this invention comprises, essentially, a case 1 of suitable length and width to contain and entirely inclose a comb 2, which extends the entire length of the case and is of approximately the same width as the inside of the case. The bottom edge of the case is perforated or provided with a large number of holes 3, separated from each other by cross-bars 4, between which the teeth 5 of the comb work as the comb is moved inward or thrust outward, as will hereinafter appear.

The case 1 is of sufficient width or depth

inside to contain both the comb 2 and a combined actuating and locking slide 6, which may consist of a thin plate, which is shorter than the internal dimensions of the case 1, so that said plate may move endwise to a limited extent therein. The plate 6 is provided with inclined or oblique slots 7, extending nearly from edge to edge, and the lower portions of said slots are provided with locking extensions or angular portions 8, the purpose of which will appear. The back of the comb 2 is provided with pins or studs 9, which enter and work in the slots 7 as the plate 6 is moved endwise within the case, the arrangement of the slots and pins being such that as said slide is moved endwise the comb proper is forced either inward or outward, according to the direction of movement of the slide.

In order to operate the slide, the case 1 is provided near its upper edge and in both sides with oppositely-located slots 10, running parallel to the upper edge of the case, and said slots are covered by a sliding thumb-piece 11, having flanges 12, which embrace the upper edge of the case, as shown in Fig. 1, and guide said thumb-piece in its sliding movements. A pin 13 passes through the thumb-piece 11 and also through the slots 10 in the case and also through a hole 14 in the plate or slide 6, so that as the thumb-piece is moved endwise on the case 1 the slide or plate 6 is correspondingly moved within the case, said slide operating upon the pins 9 to either force the comb outward or inward.

As the comb is forced outward the teeth 5 thereof move through the perforations 3 and between the cross-bars 4 until the teeth are fully projected, as shown in Fig. 1. In the reverse movement of the slide the teeth are drawn inward between the cross-bars 4, and all material adhering to the teeth of the comb is scraped and removed therefrom. The comb may thus be said to be self-cleaning, and also by reason of the construction described the comb is well adapted for pocket use, the teeth when retracted being protected by the surrounding and inclosing case, which also prevents the admission of dirt, dust, and other matter to the teeth of the comb, also to the operating devices therefor.

The comb as a whole may of course be made in various sizes and of any suitable material, and other changes in the form, proportions, and minor details of construction

may be resorted to without departing from the principle or sacrificing any of the advantages of the invention.

Having thus described the invention, what
5 is claimed as new is—

A device of the class described comprising a case formed with a longitudinally-arranged slot, a comb slidably mounted within the case, comb-actuating means mounted within the case and connected with the comb, a thumb-piece engaging the case, a pin projecting from said thumb-piece and engaging

the comb-actuating means within the case, said pin operating within the slot formed in the case, the thumb-piece serving to cover 15 said slot at all times, whereby to exclude foreign matter from the case.

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

AUSTIN O. CRAVEN.

Witnesses:

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