

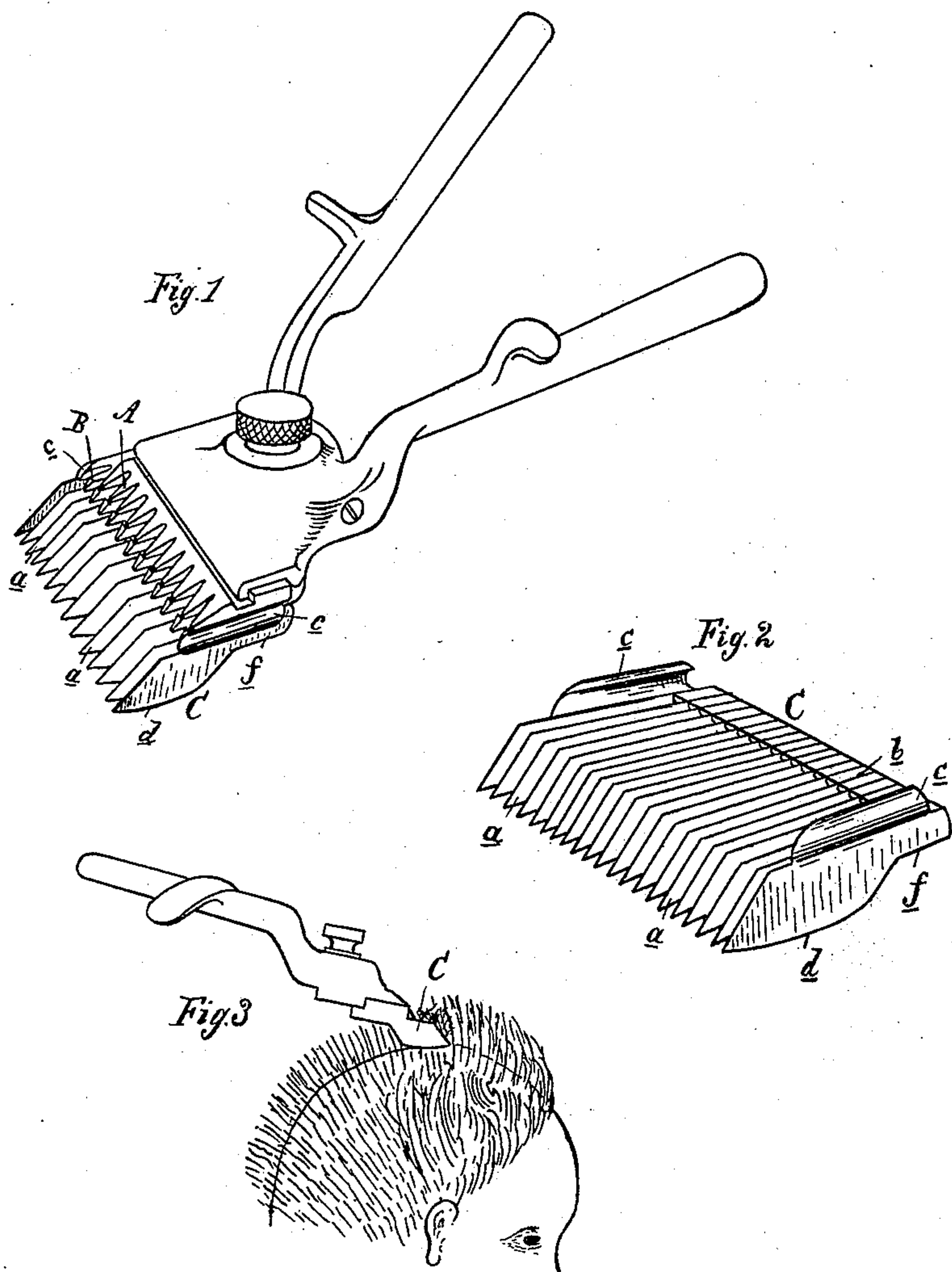
(No Model.)

S. W. BURWELL.

HAIR CLIPPER.

No. 336,890.

Patented Mar. 2, 1886.



Attest:
John Schuman.
Atty

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UNITED STATES PATENT OFFICE.

SAMUEL W. BURWELL, OF PORT HURON, MICHIGAN.

HAIR-CLIPPER.

SPECIFICATION forming part of Letters Patent No. 336,890, dated March 2, 1886.

Application filed July 23, 1885. Serial No. 172,399. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL W. BURWELL, of Port Huron, in the county of St. Clair and State of Michigan, have invented new and
5 useful Improvements in Hair-Clippers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

10 This invention relates to certain new and novel improvements in the construction of a comb adapted to be attached to hair-cutters; and the invention consists in the peculiar construction of the comb, which is designed to be
15 removably secured to the stationary comb of the clipping-machine for the purpose of increasing the thickness of such stationary comb, all as more fully hereinafter set forth.

Figure 1 is a perspective view of a hair-clipper with my improved comb attached.
20 Fig. 2 is a perspective of my improved comb detached, and Fig. 3 is a diagram showing the position of the comb and clipper when in use.

25 In the accompanying drawings, which form a part of this specification, A represents the stationary comb of a clipper which is provided with the vibrating cutter B, of any of the known constructions.

30 C represents my improved comb attachment, which consists of a series of thin blades or teeth, *a*, which are secured to or form a part of the heel *b*, while the two outer teeth of the comb have secured to them the grooved
35 guides *c*, which are designed to slip upon and engage with the outer teeth of the stationary comb of the clipper.

40 The teeth *a* of the comb C are made substantially in the form shown in Fig. 2, with tangs having a horizontal edge, *d*, which is designed to go below the teeth of the stationary comb, which teeth have an inclined edge at their front outer ends, with a horizontal bearing-edge, *f*, upon their bottom, parallel to but

below their upper horizontal edge, such bearing-edge *f* extending back about half the length of the teeth, from which point they are cut away upon an incline to meet the lower face of the heel.

In practice, when it is desired to cut the
5 hair to a given length, but not close to the head, (as would be done by the clipper alone.) the operator adjusts the comb C upon the stationary comb of the clipper, as shown in the drawing. By now applying the clipper to the
10 head, keeping the bearing-surface *f* of the comb C upon the head, the hair will be cut to a uniform length, and as soon as the hair that has been cut passes beyond the heel of the bearing-edge *f* it clears itself by passing be-
15 neath the device in the cut-away portion of the teeth, as is shown in Fig. 3.

I am aware that removable combs for clippers have been patented, wherein there has been no provision made for a clearance of the
20 hair after it has been cut, and in all of which the heel of the adjustable comb is on the same plane with the bottom of the teeth, and in passing such comb through the hair the heel forces the hair away from the cutter, so that
25 the tips of the hair only are cut off, and when they fly back from behind the heel the hair will be found to be very irregular, while in my device it will be observed that the hair is cut entirely in advance of the heel, and before
30 any pressure or pushing from the heel can bend the hair forward away from the cutter.

What I claim as my invention is—

A comb-plate adapted to be removably secured to hair-clippers, for the purpose set
35 forth, the teeth of such comb-plate having a cut-away portion between its bearing edge and its heel, substantially as and for the purpose specified.

SAMUEL W. BURWELL.

Witnesses:

W. N. JONES,

E. C. CARLETON.