

UNITED STATES PATENT OFFICE.

ERNST SCHARFF, OF FRANKFORT-ON-THE-MAIN, GERMANY.

HAIR-CUTTER.

No. 835,259.

Specification of Letters Patent.

Patented Nov. 6, 1906.

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To all whom it may concern:

Be it known that I, ERNST SCHARFF, manufacturer, residing at 18 Fahrgasse, Frankfort-on-the-Main, Empire of Germany, have
5 invented certain new and useful Improvements in Hair-Cutters, of which the following is a specification.

My invention relates to hair-clippers and beard-trimmers, and has for its object to provide an improved construction for permitting the convenient attachment of an accessory comb-plate to vary the length of the cut, the device being strong, firmly held in position, and not liable to clogging by hair and
15 the like.

The accompanying drawings represent, in Figure 1, a section of the new accessory comb-plate when placed in its proper position on the beard-cutter. Figs. 2 and 3
20 show the accessory comb-plate separately in plan and section, respectively. Fig. 4 is a perspective view of part of the clipper with the accessory comb-plate attached, and Fig. 5 is a cross-section substantially on the plane
25 indicated by the line A B in Fig. 4.

a is the ordinary comb-plate of the cutter. The same may be either straight or bent at *b* and is upwardly tapered.

c is the accessory comb-plate, which is provided, as usual, at its rear part with a flat face *d* and has lateral guide-lugs *f*. This accessory comb-plate may be secured to the ordinary comb-plate in any well-known manner; but at its front part it slopes upward, as
35 at *g*, a small nose *h* forming the termination of said slope.

The upwardly-sloping part *g* carries special guide-lugs *k*, with which the points of the lateral teeth of the instrument engage. Each
40 guide-lug *k* is arranged in such manner that it comes into contact with the lateral teeth only when the accessory comb-plate is pushed home into place. The teeth *g* of the accessory comb-plate are provided with sloping
45 lower edges, so that the comb cuts at an equal height all the way along.

It will be observed that the toothed end of the accessory comb-plate *c* has an upper surface inclined at the same angle as the lower
50 surface of the toothed portion of the main comb-plate *a*. These two surfaces are therefore fitted together closely, as shown in Figs. 1 and 4, leaving no space in which hairs might lodge. Moreover, by this construction each tooth of the accessory comb-plate
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c is given a firm support in its entire length by the corresponding tooth of the main comb-plate *a*. The accessory comb-plate *c* is held not only at its body portion by the guide-lugs *f*, but at its toothed portion by the
60 guide-lugs *k*. The accessory comb-plate is thus held much more reliably in the proper position.

Now what I claim, and desire to secure by Letters Patent, is the following:

1. The combination with a clipper having a main comb-plate with an inclined lower surface at the teeth, of an accessory comb-plate having the upper surface of its teeth inclined at the same angle as the said lower
70 surface and engaging the same from end to end.

2. The combination with a clipper having a main comb-plate, of an accessory comb-plate fitted against the lower surface of the
75 main comb-plate and provided at its toothed portion with lateral guide-lugs engaging the edges of the main comb-plate.

3. The combination with a clipper having a main comb-plate, of an accessory comb-plate fitted against the lower surface of the
80 main comb-plate and provided at its toothed portion with lateral guide-lugs engaging the edges of the main comb-plate, and also provided with lateral guide-lugs at its body portion.
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4. The combination with a clipper having a main comb-plate with an inclined lower surface at the teeth, of an accessory comb-plate having its toothed portion formed with
90 an inclined upper surface to fit closely said lower surface of the main comb-plate, said accessory comb-plate being provided with lateral guide-lugs both at its body portion and at its toothed portion.
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5. An accessory comb-plate for clippers, having a toothed portion at an angle to its body portion, and provided with lateral guide-lugs at said toothed portion.

6. An accessory comb-plate for clippers,
100 provided with lateral guide-lugs at its toothed portion.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 13th day of
105 January, 1905.

ERNST SCHARFF.

Witnesses:

JEAN GRUND,
CARL GRUND.