

(Model.)

G. H. NOBLE.

HAIR CLIPPER.

No. 299,839.

Patented June 3, 1884.

Fig. 1.

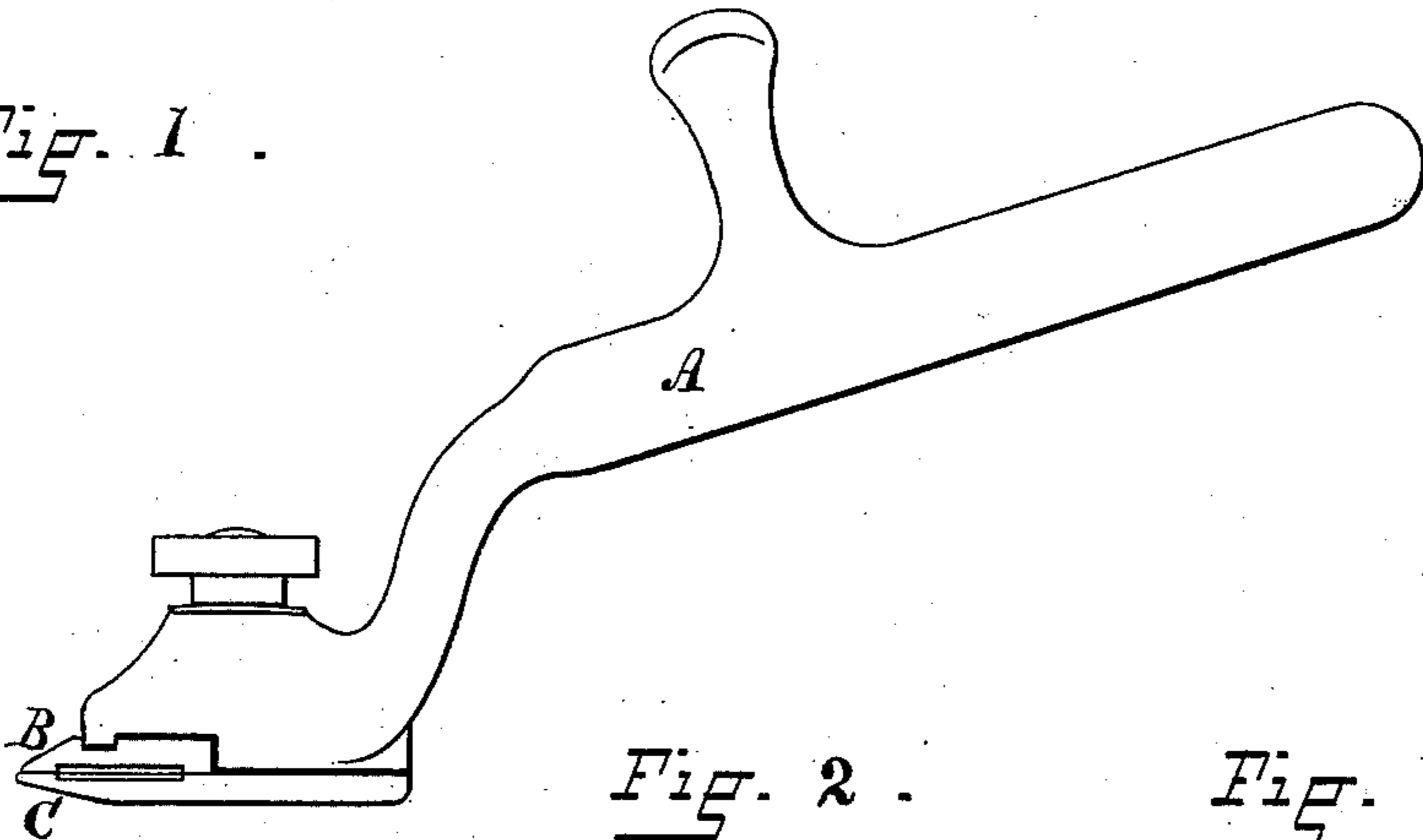


Fig. 2.

Fig. 3.

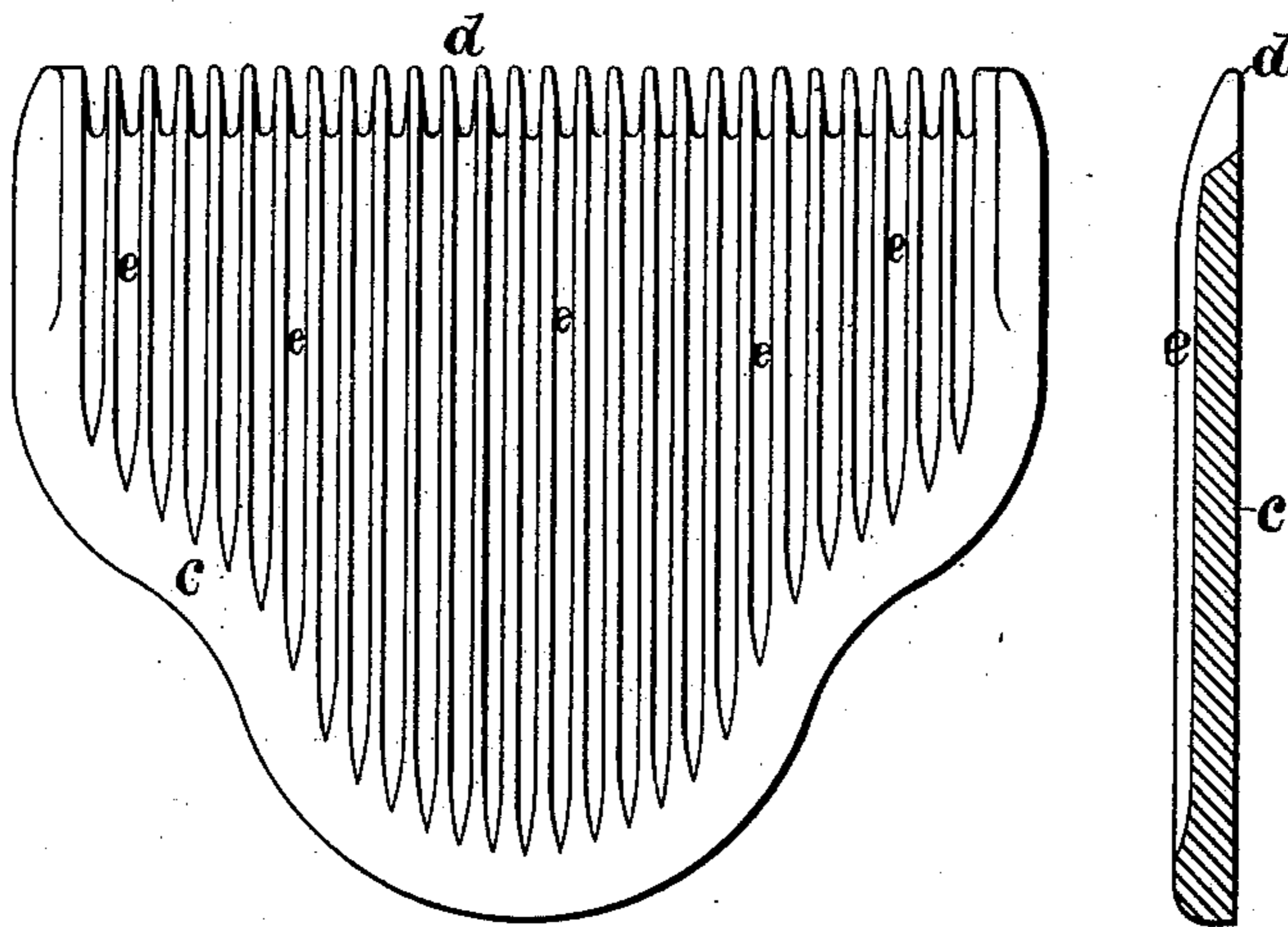


Fig. 4.



WITNESSES:

C. H. Luther Jr.
Chas. F. Schumacher

INVENTOR:

George A. Noble
by Joseph A. Miller, Secy
attys

UNITED STATES PATENT OFFICE.

GEORGE H. NOBLE, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO THE
BROWN & SHARPE MANUFACTURING COMPANY, OF SAME PLACE.

HAIR-CLIPPER.

SPECIFICATION forming part of Letters Patent No. 299,839, dated June 3, 1884.

Application filed June 9, 1883. (Model.)

To all whom it may concern:

Be it known that I, GEORGE H. NOBLE, of the city and county of Providence, State of Rhode Island, have invented a new and useful Improvement in Hair-Clippers; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to hair-clippers, particularly such as are used to cut the hair close to the scalp or skin; and the object of my invention is to prevent the adhesion of the comb-plate to the scalp or skin, and to allow the plate to be pressed closely upon the skin, so as to give a very close cut, and yet work easily and rapidly.

To the above ends my invention consists in the combination, with the cutter-plate and operative connections of a hair-clipper, of a comb-plate having the usual cutting-teeth, and provided with a series of grooves extending across its under side, as hereinafter described and claimed.

In hair-clippers used for cutting the hair close to the skin, and particularly in clippers used by barbers, the surface of the comb or contact-plate has heretofore been smooth, presenting a flat surface in contact with the skin. In pressing such a plate against the skin so as to cut the hair close to the same, considerable adhesion and consequent friction results, which causes an unpleasant sensation on the skin, and requires considerable force to move the clipper.

The object of this invention is, first, to prevent this adhesion to the skin, and, second, to allow the plate to press into the surface of the skin, so that the hair can be cut more closely to the skin than can be done with a smooth comb-plate.

Figure 1 is a view of a hair-clipper of the form used by barbers. Fig. 2 is a view of my improved comb or contact plate, showing the same provided with grooves on the contact-surface. Fig. 3 is a sectional view of the comb-plate, showing the grooves extending from the comb over the surface of the plate. Fig. 4 is a cross-section of the comb-plate.

In the drawings, A are the operating-handles of the hair-clipper. B is the cutter-plate, and C the comb-plate. *d* is the comb-edge of the plate C, and *e e* are grooves extending from the comb-edge backward, so as to give to the plate C a ribbed surface presenting narrow ridges in contact with the skin. The grooves *e e* may extend over the whole surface of the plate to the extreme rear edge, or they may terminate before they reach the rear edge of the plate.

In hair-clippers as heretofore constructed the grooves formed in producing the comb-teeth have been cut so as to extend farther backward on the lower surface of the plate than on the upper; but the contact-surface—that is to say, the surface of the plate in contact with the skin—has been heretofore left plain. When such a plate is pressed against the skin, the air between the plate and the skin is expelled, the usual moisture of the skin favors an air-tight contact, and the atmospheric pressure causes the adhesion of the plate to the skin which it required considerable force to overcome, and produced a drawing action on the skin liable to raise the same in front of the cutter and injure the same. By extending the grooves over the contact-surface the air cannot be expelled, the clipper moves freely over the skin, and the narrow ridges can be pressed into the skin, thus allowing of a closer cutting of the hair without the danger of injuring the skin.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with the cutter-plate and the operative connections of a hair-clipper, of the comb-plate provided with the cutter-teeth and formed with the grooves extending across its under side, substantially as and for the purposes specified.

GEORGE H. NOBLE.

Witnesses:

J. A. MILLER, Jr.,
C. H. LUTHER, Jr.