D. H. BUTLER.

HAIR CUTTER.

APPLICATION FILED MAY 3, 1920.

1,399,103. Patented Dec. 6, 1921.

Fig. 1

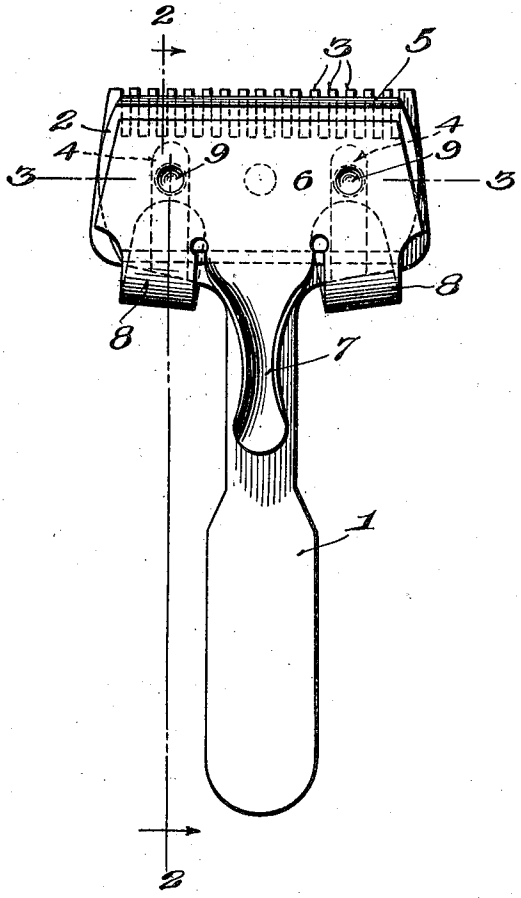


Fig. 2

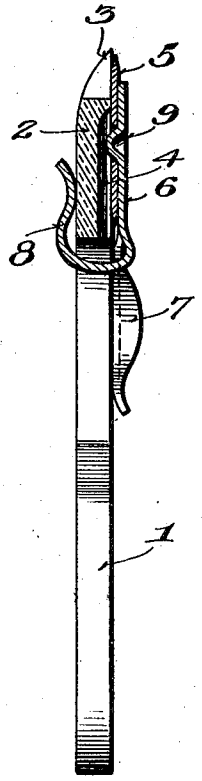
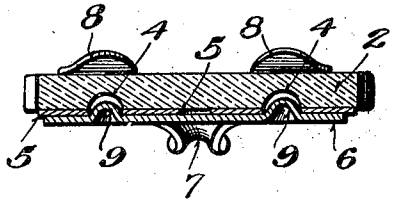


Fig. 3



Witness
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UNITED STATES PATENT OFFICE.

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HAIR-CUTTER.

1,399,103. Specification of Letters Patent. Patented Dec. 6, 1921.

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To all whom it may concern:

Be it known that I, DAVID H. BUTLER, a citizen of the United States, residing at Edgewood, in the county of Providence and State of Rhode Island, have invented new and useful Improvements in Hair-Cutters, of which the following is a specification.

This invention relates to certain new and useful improvements in hair cutters, and the primary object of the invention is to provide a hair cutter which embodies a safety razor blade and which has means for easily and quickly effecting adjustment of the blade with respect to the comb teeth.

A further object of the invention is to provide a device of this character in which the adjusting means and the blade are held in position solely through friction.

A still further object of the invention is to provide a device of this character which is both simple and economical and in which the adjusting means can be made out of a single piece of metal.

Further and other objects will be later set forth and manifested in the course of the following description.

In the drawings:

Figure 1 is a side elevation of the device.

Fig. 2 is a section on line 2—2 of Fig. 1, and

Fig. 3 is a section on line 3—3 of Fig. 1.

In proceeding in accordance with the present invention, a handle 1 is employed provided with a head 2 the latter having comb teeth 3. The rear face of the head is provided with a pair of guide grooves 4 which are parallel and extend longitudinally of the handle 1. This much of the structure may be made of celluloid or rubber or any other suitable material. The blade 5 is provided with the usual holes, common to safety razors of certain types, and is superimposed upon the rear face of the head 2 as depicted in the drawings, and is held in place by a clamping member which consists of a flat plate 6 formed with a central depending handle 7 which extends along the handle 1. The plate 6 is formed with a pair of curved spring fingers 8 which latter extend below the head and upwardly in engagement with the front face thereof, the tension of the fingers 8 being such as will require the expenditure of some considerable force to slide the plate and therewith the blade longitudinally of the handle. In order to hold the blade against movement, the plate 6 has two teats 9 struck out therefrom, which teats extend through the holes in the blade and into the respective grooves 4. In this way the blade is held against movement in all directions and the blade and the clamping device are held against movement longitudinally of the head 2.

In order to adjust the blade so as to give any desired exposure of the comb teeth, depending upon the length of the hair to be cut, it is merely necessary to slide the clamping device and therewith the blade transversely of the head 2, which adjustment may be effected by manipulating the hands 7 or by exerting force on the clamping fingers 8.

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

1. In a hair cutter, a handle having a head with parallel grooves extending transversely of the head, a blade superimposed on the head and having holes alined with the grooves, and a clamping device consisting of a plate superimposed on the blade and having teats struck out therefrom and extending through the blade holes and into the grooves of the head, a handle carried by the plate and arranged over the first named handle, and a pair of spring fingers borne by the plate and extending on opposite sides of the handles and beneath the head and into engagement with the front face of the head.

2. In a hair cutter, a handle having a head with parallel grooves extending transversely of the head, a blade superimposed on the head and having holes alined with the grooves, and a clamping device consisting of a plate superimposed on the blade, guiding means borne by the plate and extending through the blade hole and into the groove, and spring fingers carried by the plate and engaged with the front face of the head.

3. In a hair cutter, a handle having a head, the head having guides extending transversely thereof, a blade on one side of the head, and a clamping device formed to seat on the blade and having means to engage the guides, said device having a handle engaged over and with the first named handle and having spring fingers which are arranged on opposite sides of the handle thereof and which engage the opposite side of the head.

4. In a hair cutter, a handle having a head,

a blade seated on one side of the head, a clamping device seated on the blade and engaged with the head and having a handle to move the device longitudinally of the first handle, the second handle engaging exteriorly over and with a side face of the first named handle, and means to hold the blade against movement longitudinally of the head.

5. In a hair cutter, a handle having a head, a blade on the head, means movable longitudinally of said handle to clamp the blade to the head and means to adjust the blade through the first named means consisting of a handle which exteriorly overlies a side face of the handle of the head.

6. In a hair cutter in combination with a safety razor blade, a handle having a head, said head being formed with a pair of transverse grooves arranged in spaced relation to register with the usual apertures of the safety razor blade, and a clamping member for adjustably securing the blade in position having means to frictionally clamp same to the head and having a pair of spaced parts which register with and extend through the blade apertures and into said grooves to hold the blade at each end thereof.

7. In a hair cutter in combination with a safety razor blade, a handle having a head, said head being formed with a pair of transverse grooves arranged in spaced relation to register with the usual apertures of the safety razor blade, and a clamping member for adjustably securing the blade in position having means to frictionally clamp same to the head and having a pair of spaced teats struck-out therefrom which register with and extend through the blade apertures and into the grooves.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

DAVID H. BUTLER.

Witnesses:

E. P. TOOMEY,

JOSEPH A. MILLER.