W. A. JAMES.

HAIR CUTTER.

APPLICATION FILED FEB. 10, 1920.

1,353,243. Patented Sept. 21, 1920.

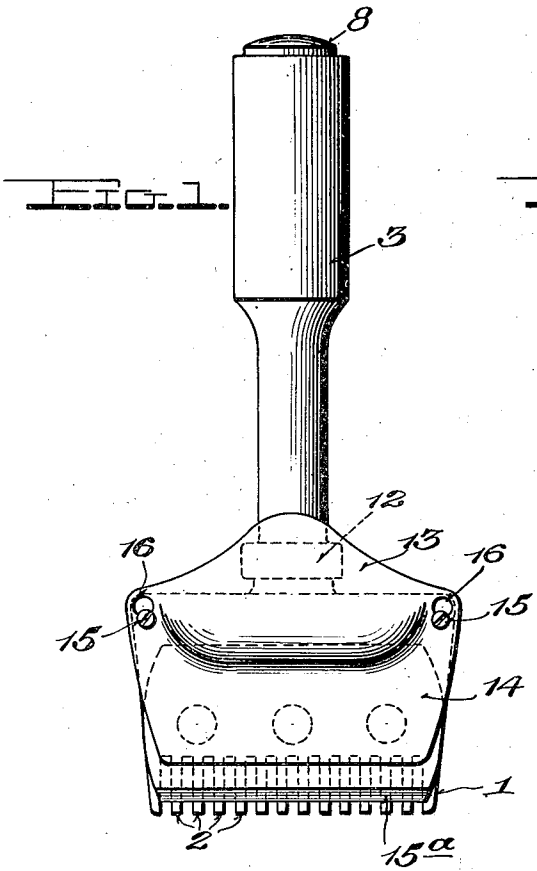


Fig. 1.

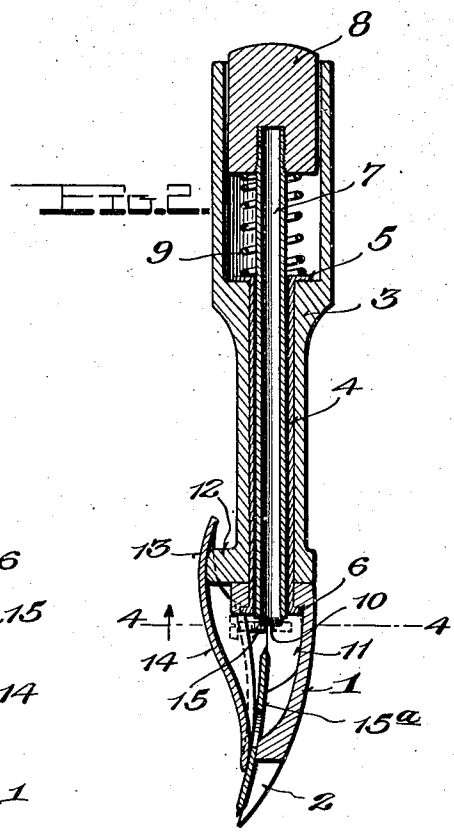


Fig. 2.

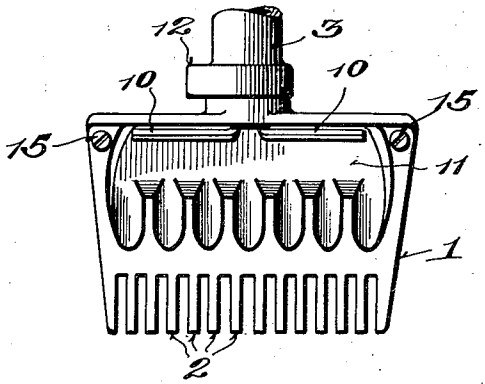


Fig. 3.

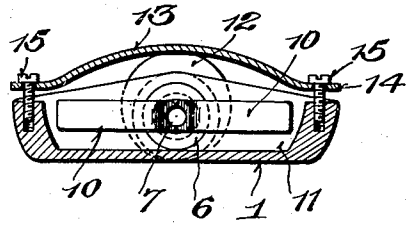


Fig. 4.

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UNITED STATES PATENT OFFICE.

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HAIR-CUTTER.

1,353,243. Specification of Letters Patent. Patented Sept. 21, 1920.

Application filed February 10, 1920. Serial No. 357,665.

To all whom it may concern:

Be it known that I, WILLIAM A. JAMES, a citizen of the United States, residing at Providence, 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 pertains more particularly to hair cutters which are intended for home use.

The primary object of the invention is to provide a hair cutter which is sanitary and which can be easily and quickly taken apart for purposes of cleaning, and in which the parts are held in assembled relation by means carried by the handle, whereby upon turning the handle such means will release the parts so as to allow the latter to be removed and cleaned.

A further object of the invention is to provide means borne by the handle for effecting adjustment of the blade prior to turning the handle to lock the blade, and to also provide means whereby wear of the locking parts may be compensated for.

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 front elevation of the invention:

Fig. 2, is a longitudinal sectional view:

Fig. 3, is a plan view of the guard, the handle being shown in fragment: and

Fig. 4, is a section on line 4—4 of Fig. 2.

The invention involves a guard 1 having the usual teeth 2; a handle 3 being rotatedly connected to the guard by any suitable means such as the sleeve 4 flanged at its ends at 5 and 6 to the handle and guard respectively. A plunger 7 slides through the sleeve 4 and has a finger piece 8 rigidly attached to its upper end, the plunger being surrounded by a coil spring 9 which bears against flange 5 and finger piece 8 so as to normally move the latter outwardly. A pair of right angular arms 10 are borne by the lower end of the plunger 7 and operate in a chambered part 11 formed in the guard 1. The rotatable handle 3 is provided with a cam 12, which latter engages a depression or concaved seat 13 formed in the clamping plate 14. The clamping plate bears against the blade 15ª at its inner end and is held in place by screws 15 carried by the guard and extending through keyhole slots 16 formed in the clamping plate 14.

In operation, it will be seen that the cam 12 bears against the top of plate 14 so as to cause the bottom of the plate to frictionally engage blade 15 and hold the latter rigidly to the guard. The plate 14 has a slight rocking movement about the screws 15 so as to effect secure clamping of the blade 15ª. If in assembling the parts the blade has not been placed sufficiently close to the free ends of the teeth 2, then the user presses down on the finger piece 8 to move the arms 10 against the top edge of the blade so as to cause the desired projection of the latter below plate 14, and upon such adjustment being perfected, the handle is then rotated to cause the cam to move plate 14 in blade clamping position, as above described. Should the concave seat or depression 13 or the effective part of the cam 12 be worn so as to prevent plate 14 from functioning, then it is merely necessary to turn the screws 15 down so as to compensate for this wear, as is believed apparent.

Due to the key hole slots 16 it will be apparent that upon moving the cam 12 to inoperative position the plate 14 may be easily removed from the guard, enabling access to the blade 15ª and all of the parts for the purpose of ready cleaning.

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

1. In a hair cutter, a guard, a blade clamping plate borne by the guard, a movable handle connected to the guard, means borne by the handle to move the plate to clamping position and means extending through the handle to effect outward movement of the blade.

2. In a hair cutter, a guard, a handle borne thereby, a blade clamping plate, and means extending through the handle to effect adjustment of the blade, and being movable into and out of engagement with the blade.

3. In a hair cutter, a guard, a movable handle borne thereby, a blade clamping plate, means operated by the handle to move the plate to blade clamping position, and means to allow of compensation due to wear between said means of the handle and the plate.

4. In a hair cutter, a guard having a rotatable handle a cam borne by the handle,

a blade clamping plate engaged with the cam so as to be moved thereby to clamping position, and screws removably engaged with the plate and movable to bring the latter close to the cam upon wear of either the plate or cam.

5. In a hair cutter, a guard, a handle borne thereby, blade clamping means borne by the guard, and means extending through the handle to effect outward adjustment of the blade.

6. In a hair cutter, a guard, a handle borne thereby, blade clamping means borne by the guard, and spring pressed slidable means extending through the handle to effect outward adjustment of the blade.

7. In a hair cutter, a guard, blade clamping means borne by the guard, a handle, means borne by the handle to move the clamping means to clamping position, and means extending through the handle to move the blade outwardly to different positions.

8. In a hair cutter, a guard, blade clamping means borne by the guard, a handle, and spring tensioned means slidable through the handle and having a pair of arms engageable with the blade to move the latter outwardly.

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

WILLIAM A. JAMES.

Witnesses:
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