June 9, 1931. L. J. WAHL 1,809,459

HAND CLIPPERS

Filed May 2, 1930

Fig. 1

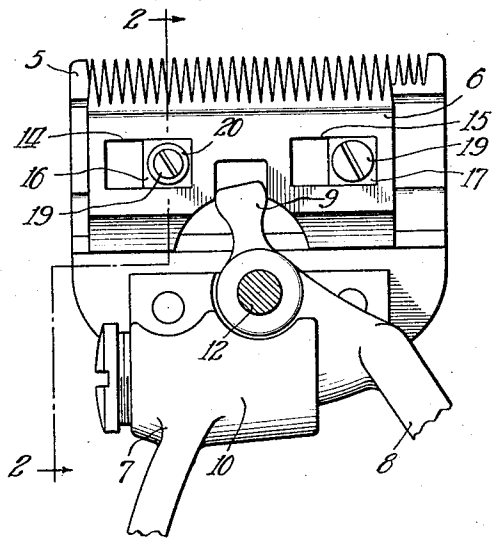


Fig. 2

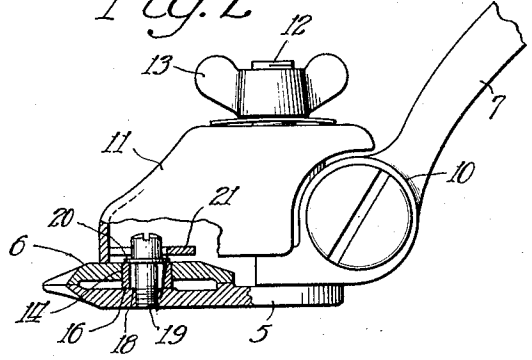
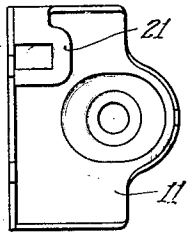


Fig. 3



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UNITED STATES PATENT OFFICE

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HAND CLIPPERS

Application filed May 2, 1930. Serial No. 449,255.

My invention relates to hand clippers and has for its principal object the provision of a novel means for guiding the movable blade relative to the stationary one.

It is also a purpose of this invention to provide this novel guiding means in such fashion as to permit a certain limited adjustment of the movable blade so as to enable it to be more readily aligned with the stationary blade and spaced the proper distance at its forward edge from the forward edge of the stationary blade.

I will describe one form which my invention may take by reference to the accompanying drawings wherein—

Fig. 1 is a top plan view of the hand clipper with the cover removed;

Fig. 2 is a side view taken along the line 2—2 of Fig. 1; and

Fig. 3 is a bottom view of the cover.

Referring now in detail to the drawings, the hand clipper consists of the stationary blade 5, movable blade 6, and handles 7 and 8, the handle 8 being connected as shown by means of the projection 9 to the movable blade. Suitably housed within the stationary handle 7 as within the enlargement 10 may be a spring not shown which tends to hold the movable blade in one of its extreme positions. The structure so far described is old and well known as is also the cover 11 which fits down over the movable blade and driving mechanism and is secured on the shaft 12 to which the handle 8 is pivoted by means of a suitable wing nut 13.

Now in mounting the movable blade in position, it is necessary to provide some suitable guide means, and for this reason the movable blade is slotted as shown at 14 and 15. My invention consists in the provision as guide means fitting these slots of members such as 16 and 17 which preferably consist of rectangular blocks having an interior bore as indicated at 18 which is preferably cylindrical and which is somewhat larger than the screw 19 that secures the guide member in place. This screw 19 is provided with a shoulder as indicated at 20 engaging the top of the member 16 which shoulder serves to clamp the member 16 between it and the top surface of the stationary blade 5. Members 16 and 17, as will be seen from the mounting, may be properly squared up so as to guide the movable blade in a straight line, and they may also be adjusted laterally to obtain the proper spacing or moved forward or back to adjust the points of the movable blade relative to the stationary blade within certain limits defined by the difference in the size of the bore 18 and the shank portion of the screw 19. In this way, it is a comparatively simple matter to properly align the movable blade with the stationary blade and to properly adjust the scope of its movement.

The top of the screw 19 also serves an additional function in that it supports by means of the guide member 21 the cover 11 in proper position at all times. Owing to the fact that this screw is not adjustable in position, the adjustment of the movable blade does not throw the cover holding means out of alignment as the relative position of the screw 19 and the member 21 are the same irrespective of the adjustments made in the position of the movable blade by means of the members 16 and 17.

From the above description, it is thought that the construction and advantages of this device will be clear to those skilled in this art. It is also believed to be obvious that various modifications may be made from the exact details shown and described without departing from the scope of the invention.

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

1. In a hair clipper a stationary blade, a movable blade having a guide slot therein, and means cooperating with said slot for guiding said movable blade comprising a block adapted to rest on said stationary blade, and a screw rotatable relatively to said block having screw threaded engagement with the stationary blade and having a shoulder thereon engaging said block for clamping the block to said stationary blade, said block being adjustable laterally relative to said screw for aligning said movable blade.

2. In a hair clipper a stationary blade, a

movable blade having a guide slot therein, and means cooperating with said slot for guiding said movable blade comprising a block adapted to rest on said stationary blade, and a screw rotatable relatively to said block extending therethrough and having screw threaded engagement with the stationary blade and having a shoulder thereon engaging said block for clamping the block to said stationary blade, said block having an aperture therein somewhat larger than the screw passing therethrough adapted to permit lateral adjustment thereof.

3. In a hair clipper a stationary blade, a movable blade having a guide slot therein, and means cooperating with said slot for guiding said movable blade comprising a block adapted to rest on said stationary blade, and a screw rotatable relatively to said block having screw threaded engagement with the stationary blade and having a shoulder thereon engaging said block for clamping the block to said stationary blade, said block being adjustable laterally relative to said screw for aligning said movable blade, a cover for said movable blade, and cooperating means on said screw and cover for positioning the cover.

4. In a hair clipper a stationary blade, a movable blade having a guide slot therein, and means cooperating with said slot for guiding said movable blade comprising a block adapted to rest on said stationary blade, and a screw rotatable relatively to said block extending therethrough and having screw threaded engagement with the stationary blade and having a shoulder thereon engaging said block for clamping the block to said stationary blade, said block having an aperture therein somewhat larger than the screw passing therethrough adapted to permit lateral adjustment thereof, a cover for said movable blade, and cooperating means on said screw and cover for maintaining the same position of said cover for all positions of said block and movable blade.

In witness whereof, I hereunto subscribe my name this 21st day of April A. D., 1930.

LEO J. WAHL.