Dec. 1, 1925.

1,564,143

D. S. SEKULITCH

HAIR CLIPPER

Filed Oct. 30, 1924

FIG. 1.

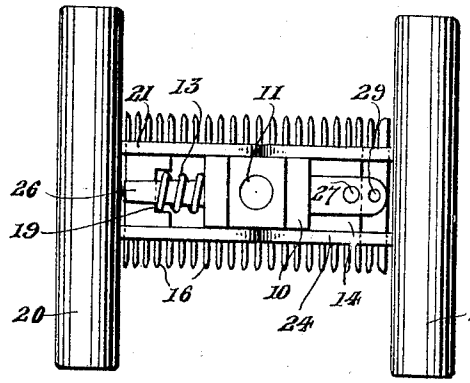


FIG. 5

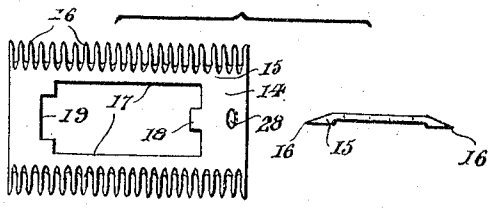


FIG. 6.

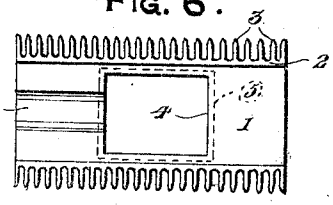


FIG. 2.

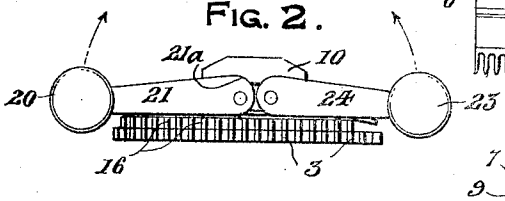


FIG. 7.

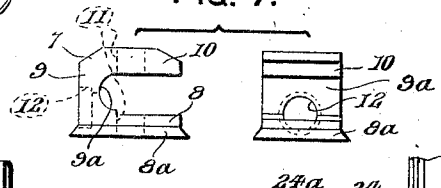


FIG. 3.

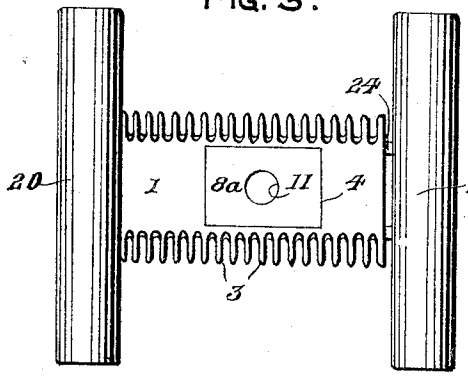
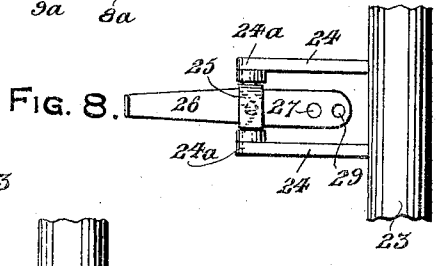


FIG. 8.



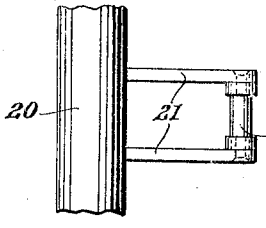
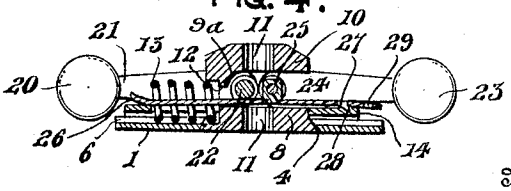


FIG. 9.

FIG. 4.



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UNITED STATES PATENT OFFICE.

DUSHAN S. SEKULITCH, OF WASHINGTON, DISTRICT OF COLUMBIA.

HAIR CLIPPER.

Application filed October 30, 1924. Serial No. 746,816.

To all whom it may concern:

Be it known that I, DUSHAN S. SEKULITCH, a subject of the Kingdom of the Serbs, Croats, and Slovenes, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Hair Clippers, of which the following is a specification.

This invention relates to certain new and useful improvements in hair clippers and has for one of its objects to provide a hair clipping device wherein one blade is slidably associated with another blade with the operating handles for the sliding blades projecting outwardly from one face thereof to remove the operating handles from the immediate vicinity of the cutting edges of the clipper blades and to permit unrestricted and free use of the clipper.

Another object of the invention is to provide a novel mounting for the sliding blade of the clipper above described, a pair of pivotally supported handles being detachably connected to a block with one of the handles detachably connected to the sliding blade and cooperating with the other handle as an abutment therefor to effect the sliding movement of the blade.

A still further object of the invention is to provide an interlocking connection between the two blades with a spring device for normally holding one of the blades in its limit of sliding movement in one direction and having an operating handle detachably connected to the sliding blade to effect sliding movement thereof and the cutting operation of the clippers.

With the above and other objects in view that will become apparent as the nature of the invention is better understood, the same consists of the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the drawing, wherein like reference characters designate corresponding parts throughout the several views,

Figure 1 is a top plan view of a hair clipper constructed in accordance with the present invention showing the operating handles for the clipper blades at their limits of outward movement,

Figure 2 is a side elevational view of the clipper,

Figure 3 is a bottom plan view,

Figure 4 is a vertical longitudinal sectional view showing the latch blade connection between the tensioned sliding cutting blade and one of the operating handles,

Figure 5 shows a top plan and end elevational view of the upper sliding blade of the clipper,

Figure 6 is a top plan view of the bottom blade of the clipper,

Figure 7 shows side and end elevational views of the block forming the interlocking connection between the two cutting blades,

Figure 8 is a fragmentary top plan view of one of the operating handles showing the latch blade carried thereby for interlocking the handle with the tensioned sliding blade, and

Figure 9 is a fragmentary top plan view of the other handle.

Referring more in detail to the accompanying drawing, and particularly to Fig. 6 there is illustrated a cutting blade 1, preferably rectangular in plan view having side flanges 2 provided with a serrated edge forming cutting beads 3 while the central portion of the blade 1 has a rectangular opening 4 that is undercut or beveled as at 5 as illustrated by dotted lines. The upper face of the blade 1 has an arcuate longitudinally extending groove 6 having one end opening at an end wall of the opening 4 while the other end thereof terminates at the corresponding end of the blade 1.

A block 7 of the form best illustrated in Fig. 7 includes a base portion 8, a perpendicular end wall 9 and an upper overhanging wall 10 positioned above the base 8. Alined openings 11 are formed in the base 8 and upper overhanging wall 10 while the perpendicular end wall 9 is provided with an opening 12 as clearly shown. The block 7 is inserted upwardly thru the lower side of the opening 4 in the blade 1 and the base portion 8 of said block is beveled as at 8^a for engaging the undercut or beveled edge 5 of the wall of the opening 4 with the lower face of the base portion 8 lying flush with the lower face of the blade 1 as clearly shown in Fig. 4.

A coil spring 13 is placed in the groove 6 with one end thereof received in the opening 12 of the block 7, the opening 12 having a flanged wall to form an abutment for said spring as shown in Fig. 4. The sliding blade 14 shown in detail in Fig. 5 has the opposite side edges thereof flanged as at 15 and serrated to provide cutting teeth 16,

the flanges 15 flatly engaging the flanges 2 upon the cutting blade 1. A relatively large elongated rectangular opening 17 is formed in the blade 14, one end wall of the opening 14 carrying a centrally located lug projection 18 while the other end wall of said opening is recessed as at 19. The blade 14 is positioned upon the blade 1 with the opening 17 in the blade 14 receiving the block 7. The outer end of the coil spring 13 is received in the recess 19 and the blade 14 is manually shifted longitudinally of the blade 1 against the tension of the spring 13 to position the lug 18 for engagement with the adjacent edge of the base portion 8 of the block 7, this connection between the two blades holding the blade 14 tensioned at its limit of movement in one direction while the block 7 forms an interlocking connection between the two blades.

A pair of operating handles is provided for moving the sliding blade 14 over the blade 1, the handle 20 being carried by a pair of arms 21 that are connected at their free ends by a cross roller 22 that is positioned between the upper overhanging wall 10 and the base portion 8 of the block 9 and in engagement with the curved face 9^a of the vertical end wall 9 of the block. The upper sides of the arms 21 adjacent the cross roller 22 are provided with cam faces 21^a as clearly shown in Fig. 2. When the roller 22 is positioned in the block 7, the handle 21 is moved to initially occupy a position adjacent the outer end of the spring 13 as shown in Fig. 4. The other handle 23 carries a pair of side arms 24 that are connected at their free ends by a journaled block 25 that has a latch blade 26 fixed to the lower side thereof as shown in Figs. 4 and 8. In mounting the handle 23, the forward end of the latch blade 26 is disposed beneath the roller 22 and extends thru the convolutions of the coil spring 13 as shown in Fig. 4 while the rear end of the latch blade 26 carries a latch lug 27 upon the lower face thereof that snaps into the recess 28 formed in the upper face of the adjacent end of the sliding blade 14, the extreme inner end of the latch blade 26 being provided with an opening 29 to receive a suitable implement to facilitate removal of the latch lug 27 from the blade opening 28. The upper ends of the handle arms 24 adjacent the block 25 are provided with cam faces 24^a similar to the cam faces 21^a upon the handle arms 21.

With the several parts of the clipper assembled as illustrated in Figs. 1 to 4, the handles 21 and 23 are adapted to be moved toward each other, and upon engagement of the cam faces 21^a and 24^a, the adjacent ends of the arms 21 and 24 are separated and in view of the latch blade connection between the handle 23 and sliding blade 14, the latter is shifted over the blade 1 to cause a clipping operation of the blade teeth 3 and 6.

The device is extremely simple in construction and operation and embodies comparatively few parts, that may be readily replaced should damage or injury result thereto, it being noted that any preferred material may be employed in the manufacture thereof as well as in the general design, and while there is herein shown and described the preferred embodiment of the present invention, it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

What is claimed as new is:—

1. In a hair clipper, a pair of blades, one being slidable relative to the other, a spring for holding the sliding blade at its limit of movement in one direction, a pair of pivoted handles, a detachable connection between the handles and sliding blade, and means rendered active upon the movement of the handles to separate the pivot points of the handles and operate the sliding blade.

2. In a hair clipper, a pair of blades, one being slidable relative to the other, a spring for holding the sliding blade at its limit of movement in one direction, a pair of pivoted handles, a detachable connection between one of the handles and sliding blade, and means rendered active upon the movement of the handles to separate the pivot points of the handles and operate the sliding blade.

3. In a hair clipper, a pair of blades, one being slidable relative to the other, a spring for holding the sliding blade at its limit of movement in one direction, a block cooperating with the spring and blades to hold the blades assembled, a pair of handles removably and pivotally supported in the block and a detachable connection between one of the handles and the sliding blade.

4. In a hair clipper, a pair of blades, one being slidable relative to the other, a spring for holding the sliding blade at its limit of movement in one direction, a pair of pivoted handles, a detachable connection between the handles and sliding blade, and cooperating cam faces on the handles to cause a separation of their pivot points when the handles are moved toward each other for operating the sliding blade.

5. In a hair clipper, a pair of blades, one being slidable relative to the other, a spring for holding the sliding blade at its limit of movement in one direction, a pair of pivoted handles, a detachable connection between one of the handles and sliding blade, and cooperating cam faces on the handles to cause a separation of their pivot points when the handles are moved toward each other for operating the sliding blade.

6. In a hair clipper, a pair of blades, one being slidable relative to the other, a spring

for holding the sliding blade at its limit of movement in one direction, a block cooperating with the spring and blades to hold the blades assembled, a pair of handles removably and pivotally supported in the block, a detachable connection between one of the handles and the sliding blade, and cooperating cam faces on the handles to cause a separation of their pivot points when the handles are moved toward each other for operating the sliding blade.

7. In a hair clipper, a pair of blades, one being slidable relative to the other, there being registering openings in said blades, a block in said openings, a spring interposed between the block and an end wall of the opening in the sliding blade for holding the latter at its limit of movement in one direction, a pair of handles pivotally supported in the block, and a detachable latch connection between one of the handles and the sliding blade.

8. In a hair clipper, a pair of blades, one being slidable relative to the other, there being registering openings in said blades, a block in said openings, a spring interposed between the block and an end wall of the opening in the sliding blade for holding the latter at its limit of movement in one direction, a pair of handles pivotally supported in the block, cooperating cam faces on the handles and a latch blade carried by one of the handles and detachably connected to the sliding blade whereby movement of the handles will cause the cam faces to separate the pivot points of the handles and operate the sliding blade.

In testimony whereof I affix my signature.

DUSHAN S. SEKULITCH.