

May 7, 1940.

W. J. WHITTON
MOTOR DRIVEN SHAVING DEVICE

2,199,768

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Fig. 1.

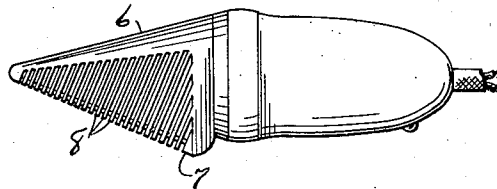


Fig. 2.

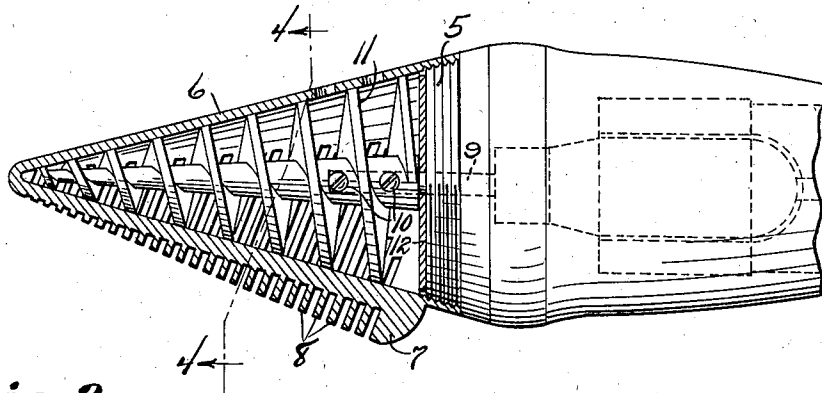


Fig. 3.

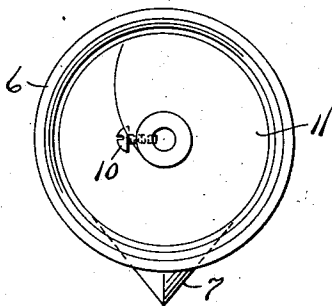
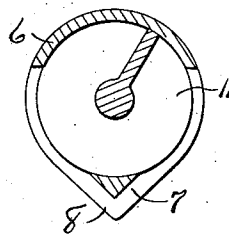


Fig. 4.



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MOTOR DRIVEN SHAVING DEVICE

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Application August 30, 1938, Serial No. 227,570

1 Claim. (Cl. 30-43)

My invention relates to the art of shaving devices and more particularly to a motor driven shaving device.

One of the principal objects of my invention is to provide a shaving device equipped with a rotary blade or cutter together with shielding means adapted for coaction with the cutter and which is so constructed and arranged as to add to the safety of the device and also effect in producing a clean, close shave.

Another object of my invention is to provide a device of the above described character which can be easily and quickly cleaned so that the useful life of the device can be extended for a long period.

A further object of my invention is to provide a device of the above described character which is simple in construction, durable in use, efficient in operation and economical in manufacture.

Other objects and advantages will be apparent from the following description, appended claim and annexed drawing.

Referring to the drawing wherein like reference characters designate like parts throughout the several views:

Figure 1 is a side elevation of my invention.

Figure 2 is a longitudinal sectional view thereof on an enlarged scale.

Figure 3 is an end elevation of the shield and cutter, illustrating the same detached from the motor.

Figure 4 is a sectional view taken on the line 4-4 of Figure 2.

In practicing my invention I provide a motor of ordinary construction equipped with a housing in the form of a handle adapted to be readily held in the palm of the hand. One end of said housing is equipped with a forwardly extending section 5, the latter being exteriorly threaded and receiving thereon the threaded base end of a cone-shaped guard or shield 6. The guard or shield 6 is of a hollow construction and is fashioned on the outer face thereof with a longitudinally extending rib 7, the latter being of a substantially triangular configuration in cross section and increasing in thickness towards the base end of said guard as clearly illustrated in Figure 2.

The rib 7 is formed with a plurality of spaced

transversely extending slots which extend about said guard and terminate beyond the axis of said guard on the opposite side of the latter relative to said rib and thereby provide a plurality of spaced teeth 8. Extending from the motor casing and beyond the section 5 is the motor drive shaft 9 on which is fixed, by means of screws 10, a rotatable spiral cone-shaped cutter 11, the edge of which coacts with the teeth 8 on each side of said rib 7 to effect a shearing or shaving of hair when the guard is placed into engagement with the face of the operator. By utilizing the rib 7 as a rest, the teeth of the guard may be adjusted relative to the face to effect a close or substantially close shave upon rotation of said cutter by said motor.

A disk 12 effects a closure between said guard and the interior of the casing whereby to prevent hair and other foreign matter from entering said casing. Said disk 12 is formed with a centrally disposed aperture through which the shaft 9 extends.

From the foregoing it will be apparent that the guard 6 may be readily detached from the section 5 and the cutter from the shaft 9 to effect an easy cleansing of the parts.

Furthermore, it will be distinctly understood that various changes and modifications in the construction and arrangement of the parts may be resorted to without departing from the spirit of the invention or scope of the appended claim.

What I claim is:

A device of the character described, comprising, a casing adapted to have mounted therein a motor having a drive shaft extending beyond said casing, a conical-shaped guard connected to said casing and axially receiving said shaft, said guard formed with a longitudinally extending rib fashioned with transversely extending teeth terminating about said guard on the opposite side of the axis of the latter relative to said rib, a cutter fixed on said shaft and rotatable by the latter within said guard for coaction with said teeth in a manner to effect shaving of the face when said teeth are in engagement with said face, and a disk interposed between said cutter and said casing for precluding entrance of foreign matter within said casing.

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