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2,597,552

COMBINED COVER AND SILENCER FOR ELECTRIC SHAVERS

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FIG. 1.

FIG. 2.

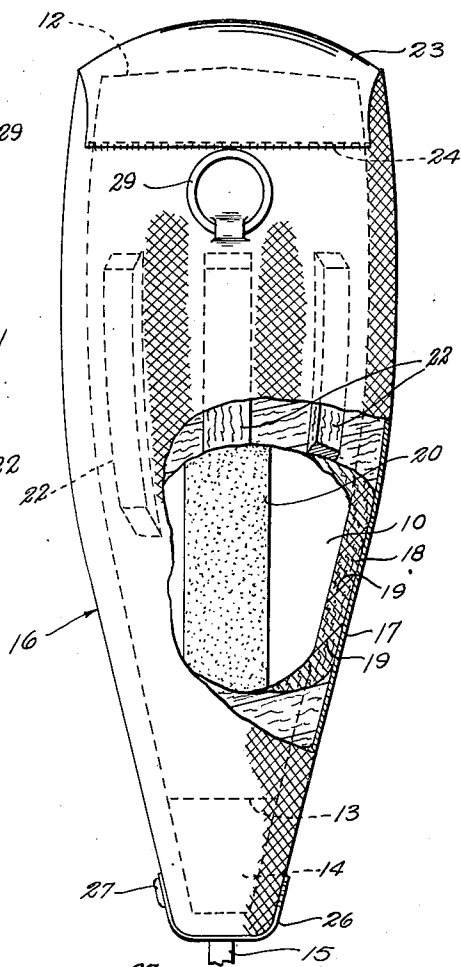
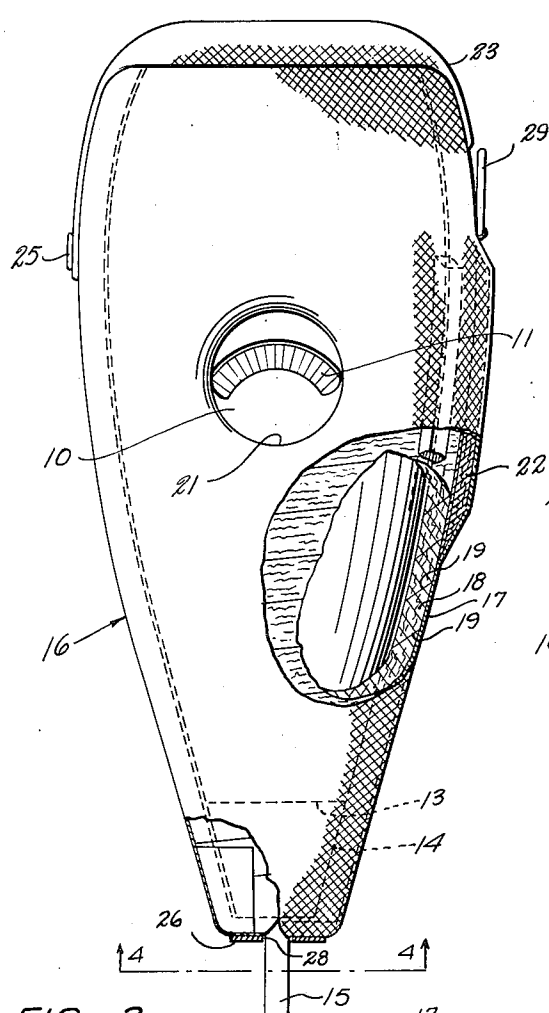


FIG. 3.

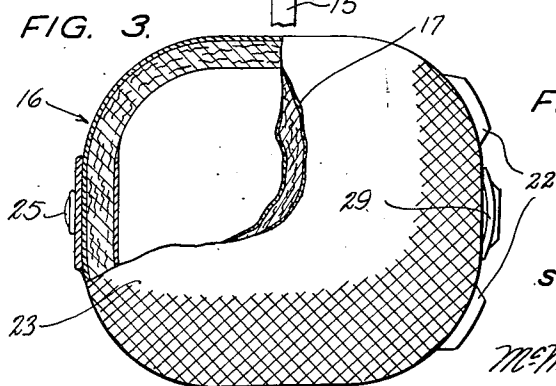
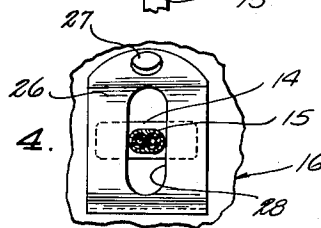


FIG. 4.



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COMBINED COVER AND SILENCER FOR
ELECTRIC SHAVERS

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3 Claims. (Cl. 30—90)

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My invention relates to electric shavers of the type wherein an elongated body mounts a motor and wherein a shaving head is secured to one end of the body for actuation by the motor. Such bodies are generally formed of plastic material and are readily frangible if the body is dropped onto the floor. Likewise, in use, such shavers are relatively noisy. Further, the shaver heads and interiors of the bodies are exposed to some extent to dust and dirt which has a damaging effect on the operation of the device.

With the foregoing in view, it is an object of my invention to provide an improved cover for an electric shaver of the class described, which cover is effective to protect the body of the shaver against damage from falls, and which cover likewise protects the interior of the body from dust and dirt and also provides a sound-insulating device for silencing the shaver.

A further object is to provide an improved cover for an electric shaver of the class described which includes a relatively thick envelope including a relatively thick ply of sound-insulating material substantially enclosing the body of the shaver.

A further object is to provide an improved cover for an electric shaver which includes a tubular ply of sound-insulating material formed from a relatively thin strip of sound-insulating material wrapped about the body of the electric shaver to provide a plurality of turns in edge-to-edge relation, together with means for securing said turns together in the relation aforesaid.

Other objects and advantages reside in the particular structure of the invention, combination and arrangement of the several parts thereof, and will be readily understood by those skilled in the art upon reference to the following specification in connection with the attached drawing and to the appended claims.

In the drawing:

Figure 1 is an elevational view of the cover according to the invention showing the same applied to an electric shaver, parts being broken away to show the structure of the cover;

Figure 2 is a view like Figure 1, but looking from the right of Figure 1;

Figure 3 is a top plan view of Figure 1, parts being broken away and shown in horizontal section;

Figure 4 is a fragmentary bottom plan view taken substantially on the plane of the line 4—4 of Figure 1.

Referring specifically to the drawing, wherein like reference characters have been used through-

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out the several views to designate like parts, 10 designates the body of any suitable electric shaver having its forward end provided with any suitable shaver head 12 and a tapered rear end 13 adapted to be detachably connected to a plug 14 for an electric cord 15. It is understood that the body 10 encloses an electric motor, not shown, which may be started by the usual starting wheel 11, Figure 1. As so far described, the structure is conventional and forms no part of my invention.

The cover which is generally indicated at 16 comprises a relatively thick inner ply of shock-absorbing, sound-insulating material which is preferably enclosed by a relatively thin cover ply 17 which may be of any suitable textile material. The inner ply comprises a strip 18 of flexible insulating material which is wrapped spirally about the body 10 to provide a plurality of turns in edge-to-edge relation. Preferably, the edges 19 of the strip 18 are diagonally directed and parallel to each other whereby to provide a close, tight fit with each other. The several turns of the strip 18 are held together in any suitable manner. However, a convenient method of securing them together is accomplished by imposing one or more strips 20 of adhesive tape onto the cover or body 10 longitudinally thereof with the tacky side of the tape 20 outermost. Thereafter, the wrapping of the strip 18 about the body 10 automatically secures the edges 19 of the strip together in edge-to-edge relation. Obviously, the several turns of the strip 18 could be secured together in other ways, as by being stitched together, or by coating the edges 19 with adhesive whereby to adhesively connect the several turns together. It should be noted, also, that the lowermost turns of the strip 18 extend from the lower end of the plug 14 upwardly to the region of the head 12, whereby to provide a tubular ply substantially complementary to the shape of the assembled shaver. However, it should be understood that the upper turns of the strip 18 terminate with respect to the shaver head 12 so that free movement and use of the shaver head is possible without removing the envelope formed by the strip 18. Likewise, it is preferred that an opening 21 be formed through the inner and outer plies so as to overlie the starting wheel 11 and permit access to the same. After the strip 18 has been assembled, I prefer to apply a plurality of longitudinally-extending strips 22 to the exterior thereof so as to extend transversely of the turns and longitudinally of the body 10. Such raised strips 22 may be of the same material as

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the strip 18 and provide a convenient hand grip to prevent slipping of the assembly in use. The cover ply 17 has secured thereto a cap 23 for the shaver head 12. The cap 23 is secured to the upper end of the cover ply in any suitable manner, as by the stitching 24. The free end of the cap 23 is secured to the opposite side of the cover ply 17, as by a snap fastener 25. The lower end of the cover ply 17 likewise has secured thereto a cap 26 which closes the open end of the inner ply and is secured in place in any suitable manner, as by a snap fastener 27. To permit the passage of the plug 14 through the bottom closure cap 26, the latter is provided with a slot 28 which normally extends transversely of the plug 14 and assists the lowermost turns of the inner ply in securing the plug 14 in place. Of course, the slot 28 extends transversely of the plug 14 when the same is in place, but initially the plug 14 is inserted through the slot and thereafter turned 90° for insertion into the rear end 13 of the body 10. A ring 29 may be secured to the cover ply 17 adjacent the upper end thereof to provide means for hanging the assembly on a hook.

It is apparent from the foregoing that the cover 16 according to the invention not only provides a sound-insulating cover for the razor or shaver, but likewise prevents the body 10 from being damaged if the assembly is dropped to the ground or floor. Also, when the caps 23 and 26 are in place, the interior of the shaver is protected from the entrance of dust and dirt. At the same time, the upper cap 23 is readily moved to a position exposing the shaver head 12 to permit use of the device without the removal of the cover 16.

It should be understood that while I have shown and described what is now thought to be a preferred embodiment of the invention, the same is susceptible of other forms and expressions. Consequently, I do not limit myself to the precise structure shown and described hereinabove except as hereinafter claimed.

I claim:

1. In an electric shaver, a cover for the body 45 of the shaver, said cover including a relatively thick inner ply of tubular form, said ply being substantially complementary to said body and

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formed to receive the same therein with the head of the shaver exposed, said ply being of sound insulating material, a relatively thin cover ply enclosing said inner ply, and a cap for said shaver head hingedly connected to one end of said cover ply.

2. In an electric shaver, a cover for the body of the shaver, said cover including a relatively thick inner ply of tubular form, said ply being substantially complementary to said body and adapted to receive the same therein with the head of the shaver exposed, said ply being of sound-insulating material, a relatively thin cover ply enclosing said inner ply, a cap for said shaver head hingedly connected to one end of said cover ply, a cap hingedly secured to the other end of said cover, and said last-named cap being formed with a slot therein.

3. In an electric shaver, a cover of sound insulating material substantially enclosing the body of the shaver, said cover including a relatively thick tubular inner ply of sound-insulating material substantially enclosing said body with the head of the shaver exposed, said cover comprising a strip of sound-insulating material wound spirally about said body to provide a plurality of turns in edge-to-edge relation, means securing said turns of said strip together in edge-to-edge relation, a relatively thin cover ply enclosing said inner ply, and a cap for said shaver head hingedly connected to one end of said cover ply.

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