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(54) IMPROVEMENTS IN OR RELATING TO A PAIR OF SCISSORS FOR TRIMMING THE HAIR OF THE NOSTRILS

(71) I, KATSUJI MORI, of 3-12-2, Chidori-cho, Ohgaki-shi, Gifu-ken, Japan, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

The present invention relates to an improved personal pair of scissors especially adapted for use in trimming the hairs of the nostrils. Scissors to which the present invention relate have several disadvantages arising from the fact that they are too small to be skillfully manipulated by the hands of an adult and too small to carry in the pocket or else-where on the person. Moreover, if they are made sufficiently large to be adeptly used by an adult they become too large to be inserted in the nose and to be used at other sensitive places or areas of the body.

The present invention avoids the disadvantages and shortcomings of scissors known in the prior art.

The present invention consists in a pair of scissors adapted for trimming the hairs of the nostril, comprising a case, a pair of cutting blades mounted in said case, cutting edges on forward portions of said blades projecting from a portion of said case, and means for moving one of said blades with respect to the other, said means engaging a rearward portion of one of said blades.

The invention will now be described by way of example with reference to the accompanying drawings wherein:—

Fig. 1 is a front elevational view of the scissors enclosed within the case of the present invention;

Fig. 2 is a longitudinal sectional view of the structure wherein the cap is disengaged from the body portions;

Fig. 3 is an enlarged sectional view taken along the line A—A of Fig. 2 showing the pivot of the scissor blades;

Fig. 4 is a sectional view taken along the line B—B of Fig. 2 showing construction of the push button operating mechanism of the present invention;

Fig. 5 is a sectional view taken along the line C—C of Fig. 2 showing utilization of the handle of the device in which a storage compartment is provided;

Fig. 6 is a front elevational view showing another example of the present invention; and,

Fig. 7 is a longitudinal sectional view of Fig. 6.

Referring to the drawings, an elongate and substantially cylindrical holder 1 encloses the components of the present invention as shown in Fig. 1. A tubular handle portion 14 is provided and is connected to an enlarged central portion which carries a cap 13 which tapers to a point as shown in the drawings. The cap 13 is threadably disengaged from the body portion proper as shown in the sectional view of Fig. 2 to disclose the scissors of the present invention. The scissors of the present invention incorporate a fixed cutting blade 2 which has a forwardly located cutting edge near the point thereof. A movable cutting blade 4 has a forward cutting edge 6 which cooperates with the cutting edge 3 on the fixed cutting blade 2 to provide the appropriate cutting action.

The cutting blades 2 and 4 are relatively pivoted on a pin 5. The pin is passed through appropriate openings in the respective blades to connect the two blades together. The blades are flush one against the other at the cutting edges to provide the appropriate scissor action as will be appreciated. Both the cutting edges 3 and 6 protrude or extend from the forward end of the housing 1 when the cap 13 is removed from the threaded lip.

Referring to Fig. 2, it will be noted that the pin 5 is enlarged at opposite ends to hold the two cutting blades together.

The blade 2 is fixed in position in the holder 1. The blade 4 is movable about the pivot pin 5. The rearward portion of the blade 4 is indicated by the numeral 7 and is L-shaped to project outwardly through a side opening or port 8 in the

holder with a push button 9 placed on the rearward portion 7. A spring 10 is connected to both blades 2 and 4. The sectional view of Fig. 4 shows connections of the spring 10 to the blades 2 and 4 near the L-shaped rearward portion 7 as noted above. The spring 10 is fixed at both ends on mounting pins 11 and 12 as shown in Fig. 2. The mounting of the spring causes the rearward portion 7 to rotate outwardly as viewed in Fig. 2.

The cap 13 is secured to the cylindrical holder 1 of the present invention by a suitable means, such as the threaded lip shown in the drawings. A substantially cylindrical and hollow handle 14 is detachably inserted into a tapered port of opening 15 at the rear of the holder 1. The hollow handle 14 provides a chamber which will store an ear cleaning device or the like. A transverse wall 18 is fitted within the said holder 1 so as to cover up the opened forward end of the handle 14. As shown in Fig. 1, the cap 13 has a suitable eyelet for receiving ornamental decorations of desired color, length or shape, or may receive a chain or swivel to attach the present invention on or about the user.

Referring to another example of the present invention in Fig. 6 and in Fig. 7, a cap 13 is detachably inserted onto the holder 1 and a hollow handle 14 is attached to the holder 1 by threads. All other constructional features of this example, except for the feature described above are the same as in the preceding example.

In conventional scissors for trimming vibrissa, two fingers are inserted through the two ring-like openings of the two handles of the scissors to achieve the cutting action by operating or shutting repetitively in the same way that ordinary scissors are used. Scissors of this kind have not been able to avoid this inherent defect in cutting operation which results from the manner of operation with handles which are all too often too short to provide the proper cutting action. To avoid the above described defect, the present invention utilizes the push button 9 to actuate the scissors. The push button 9 projects from the holder 1, is first pushed to cause the cutting edge 6 to close with respect to the cutting edge 3 and is then released. On release, the spring 10 returns the cutting edge 6 to its original open position with respect to the cutting edge 3. The simple movement of the fingers of the user in actuating the push button 9 with respect to the holder 1 is readily achieved by the user. Clearly, the handle 14 enables the user to grip the holder 1 with unusual ease so that the device is readily used for the purpose intended. The relatively short cutting edges 3 and 6, as shown in Fig. 7, have the rounded or blunted forward portions to

thereby protect the user from harm when the cutting edges 3 and 6 are placed within the nostril. Further, the rounded tips of the cutting edges 3 and 6 do not enter too deeply into the nostril of the user because the holder 1 bulges substantially at the threaded lip to deny entry of the holder into the nostril.

The ear cleaning device 16 stored in the handle 14 of the holder 1 is used in a quite conventional way. The transverse wall 18 fitted within the holder 1 separating the interior of the forward end of the handle 14 from the movable parts of the scissors has another object to prevent the hairs of the nostril from entering into the handle 14 and to maintain a device housed therein, such as the ear-cleaning device 16, in clean conditions.

The holder 1 and caps 13 and 14 may be formed of metal or suitable synthetic resins and thus an attractive appearance of the device is readily achieved.

The preferred embodiment of the present invention is sufficiently handy to be safely carried on the person of the user with the scissors housed in the holder 14 at the cap 13.

It will be understood that variations and changes may be made without departing from the scope of the present invention as defined by the appended claims. For example, it may be possible to store in the holder 14 a device other than that illustrated. Also, the handle 14 may be formed so as to include a fountain pen or a ball point pen.

WHAT I CLAIM IS:—

1. A pair of scissors adapted for trimming the hairs of the nostril, comprising a case, a pair of cutting blades mounted in said case, cutting edges on forward portions of said blades projecting from a portion of said case, and means for moving one of said blades with respect to the other, said means engaging a rearward portion of one of said blades.

2. A pair of scissors as claimed in Claim 1, wherein one of said blades is fixed with respect to said case, and the other blade is rotatably pivoted on said one blade, and including spring means operatively connected between said blades to thereby provide for relative movement between said blades.

3. A pair of scissors as claimed in Claim 1 or 2, including a cap member which is removably attached to said case for covering the projecting blades.

4. A pair of scissors as claimed in any preceding claim, including a detachable handle means connected to said case.

5. A pair of scissors as claimed in any preceding claim, wherein said rearward portion is L-shaped and including a pivoting

holder with a push button 9 placed on the rearward portion 7. A spring 10 is connected to both blades 2 and 4. The sectional view of Fig. 4 shows connections of the spring 10 to the blades 2 and 4 near the L-shaped rearward portion 7 as noted above. The spring 10 is fixed at both ends on mounting pins 11 and 12 as shown in Fig. 2. The mounting of the spring causes the rearward portion 7 to rotate outwardly as viewed in Fig. 2.

The cap 13 is secured to the cylindrical holder 1 of the present invention by a suitable means, such as the threaded lip shown in the drawings. A substantially cylindrical and hollow handle 14 is detachably inserted into a tapered port of opening 15 at the rear of the holder 1. The hollow handle 14 provides a chamber which will store an ear cleaning device or the like. A transverse wall 18 is fitted within the said holder 1 so as to cover up the opened forward end of the handle 14. As shown in Fig. 1, the cap 13 has a suitable eyelet for receiving ornamental decorations of desired color, length or shape, or may receive a chain or swivel to attach the present invention on or about the user.

Referring to another example of the present invention in Fig. 6 and in Fig. 7, a cap 13 is detachably inserted onto the holder 1 and a hollow handle 14 is attached to the holder 1 by threads. All other constructional features of this example, except for the feature described above are the same as in the preceding example.

In conventional scissors for trimming vibrissa, two fingers are inserted through the two ring-like openings of the two handles of the scissors to achieve the cutting action by operating or shutting repetitively in the same way that ordinary scissors are used. Scissors of this kind have not been able to avoid this inherent defect in cutting operation which results from the manner of operation with handles which are all too often too short to provide the proper cutting action. To avoid the above described defect, the present invention utilizes the push button 9 to actuate the scissors. The push button 9 projects from the holder 1, is first pushed to cause the cutting edge 6 to close with respect to the cutting edge 3 and is then released. On release, the spring 10 returns the cutting edge 6 to its original open position with respect to the cutting edge 3. The simple movement of the fingers of the user in actuating the push button 9 with respect to the holder 1 is readily achieved by the user. Clearly, the handle 14 enables the user to grip the holder 1 with unusual ease so that the device is readily used for the purpose intended. The relatively short cutting edges 3 and 6, as shown in Fig. 7, have the rounded or blunted forward portions to

thereby protect the user from harm when the cutting edges 3 and 6 are placed within the nostril. Further, the rounded tips of the cutting edges 3 and 6 do not enter too deeply into the nostril of the user because the holder 1 bulges substantially at the threaded lip to deny entry of the holder into the nostril.

The ear cleaning device 16 stored in the handle 14 of the holder 1 is used in a quite conventional way. The transverse wall 18 fitted within the holder 1 separating the interior of the forward end of the handle 14 from the movable parts of the scissors has another object to prevent the hairs of the nostril from entering into the handle 14 and to maintain a device housed therein, such as the ear-cleaning device 16, in clean conditions.

The holder 1 and caps 13 and 14 may be formed of metal or suitable synthetic resins and thus an attractive appearance of the device is readily achieved.

The preferred embodiment of the present invention is sufficiently handy to be safely carried on the person of the user with the scissors housed in the holder 14 at the cap 13.

It will be understood that variations and changes may be made without departing from the scope of the present invention as defined by the appended claims. For example, it may be possible to store in the holder 14 a device other than that illustrated. Also, the handle 14 may be formed so as to include a fountain pen or a ball point pen.

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2. A pair of scissors as claimed in Claim 1, wherein one of said blades is fixed with respect to said case, and the other blade is rotatably pivoted on said one blade, and including spring means operatively connected between said blades to thereby provide for relative movement between said blades.

3. A pair of scissors as claimed in Claim 1 or 2, including a cap member which is removably attached to said case for covering the projecting blades.

4. A pair of scissors as claimed in any preceding claim, including a detachable handle means connected to said case.

5. A pair of scissors as claimed in any preceding claim, wherein said rearward portion is L-shaped and including a pivoting



axis in said blade forward of said L-shaped rearward portion, a push-button mounted on the L-shaped rearward portion, and opening means in said case so located as to permit the push button to be exposed for hand actuation of said scissors.

5 6. A pair of scissors as claimed in Claim 4, including a transverse wall fitted within the said holder separating the interior of the

handle from the movable parts of the 10 scissors.

7. A pair of scissors substantially as hereinbefore described with reference to Figures 1 to 5 or 6 and 7 of the accompanying drawings.

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