DEVICE FOR REMOVING SUPERFLUOUS HAIR

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Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.
The invention relates to a device for removing superfluous hair from the human body, and more particularly, to an article of manufacture constituted of a support having detachably applied thereto a plurality of flexible abrasive sheets, the article being so constructed that it may be readily, and with facility, grasped by the hand, two fingers straddling a protruberant portion of the support, so as to effect the abrasion of the superfluous hair to be removed by a circular or reciprocating movement of the article over the body surface from which the hair is to be removed.

A particular object of the invention is to provide such a device which may be conveniently and firmly grasped by the hand and to be guided over the surface of the skin from which the hair is to be removed, and with the pressure of the fingers and the palm of the hand, to make the flexible sheeting constituting the abrasive surface, conform to the contours of the skin surface.

A further object of the invention is to provide such a device with a plurality of flexible abrasive sheets, superimposed one upon the other and detachably secured to the support, whereby when the outermost sheet of such flexible abrasive sheets has become worn or clogged, so that it no longer has the effective abrasive surface to carry out its intended function, it may readily be removed by a simple operation thereby to expose the next succeeding abrasive sheet and surface.

A still further object of the invention is to provide a device of this character which may be manufactured at a minimum of expense by making it possible to assemble the component parts thereof by a simple mechanical expedient of interlacing tabs extending from the abrasive sheets into appropriately positioned apertures in the supporting member.

A specific embodiment of our inventive structure is illustrated in the accompanying drawing merely, however, by way of example and not by way of limitation of either the structure or its configuration. In such drawing, Fig. 1 is a plan view of a device constructed in accordance with our invention; Fig. 2 is a bottom plan view of the device showing the abrasive surface; Fig. 3 is a plan view of a single sheet of abrasive material which is to be applied to the support; and Fig. 4 is a section through the device showing the support, manipulating handle, and a plurality of flexible abrasive sheets detachably secured to the support.

In assembling our novel abrasive device, a plurality of flexible abrasive sheets are superimposed one upon the other with their abrasive surfaces all in one direction and they are then brought into juxtaposition with the bottom surface of the supporting strip in such a way that the tabs of the battery of flexible abrasive sheets are opposite the slots and the cut-outs. The plurality of tabs are then folded over the peripheral edges of the supporting disc and their free ends inserted into the slots and thereafter pushed radially of the supporting disc until they assume a position underlying its bottom surface.

Of course, in applying the flexible abrasive sheets to the supporting surface, they may be detachably secured thereto in a battery of a plurality of such sheets or they may be individually applied one after the other. In each instance, however, the sheets are secured by the interposition of the free ends of the tabs through the
slots 10, with each succeeding pair of tabs overlying the previously positioned tabs. The manner of application or removal of individual sheets of abrasive material is illustrated in the lower right-hand portion of Fig. 4, wherein the tab 13 of the last flexible sheet being applied is illustrated in its position in the course of application to the supporting disc 5.

When it is desired to remove the outermost flexible abrasive sheet, after it has become worn or clogged, it is only necessary to grasp, either by the fingers, or any other suitable instrumentality, the uppermost pair of tabs 13 and withdraw them through the slot 12, or to tear off the disc portion of the sheet, leaving the tabs undisturbed.

It will be noted that the cut-outs 11 on the supporting disc 5 constitute recesses into which the hinge portions of the tabs neatly fit.

In utilizing our novel abrasive device for the purpose of removing superfluous hair from the skin surface, for instance of the legs or arms, the device is conveniently grasped by means of the knob 6 with two fingers of the operative hand straddling the knob and in contact with the accurately outlined section 8 of the knob. Proper and sufficient pressure may then be exerted by the fingers against the portion of the disc 5 immediately adjacent the base of the knob, to permit the device to conform to the contour of the skin surface being abraded. The supporting surface 5 is of sufficient flexibility and rigidity to permit this conformation to the surface being abraded and yet to permit it to return to its substantially plane condition upon removal of the device from the skin surface.

After the device has been used to such an extent that the outermost abrasive surface is either worn or clogged with hair or other material removed from the skin surface, it may be conveniently removed from the device as heretofore described, thereby exposing the next succeeding layer or sheet of abrasive material. When all of the battery of abrasive sheets has been used, a new supply may readily be detachably secured to the support in the manner above indicated.

The abrasive material on the flexible sheets is preferably of a degree of fineness not to cause irritation of the skin which is being abraded thereby. Any of a wide variety of abrasive particles or grains known to the art may be used for the abrasive material.

We claim:

1. A device for removing superfluous hair, which comprises a support and a plurality of flexible abrasive sheets, said support having a pair of slots diametrically opposed and positioned adjacent the peripheral edge thereof, and said plurality of flexible abrasive sheets having pairs of tabs by means of which such sheets are detachably secured to the support by the passage of said tabs through said slots.

2. A device for removing superfluous hair, which comprises a supporting sheet, a knob-like protuberance extending from substantially the center thereof, said supporting sheet being provided adjacent its peripheral edge diametrically in line with the knob-like protuberance, with a pair of slots, a flexible abrasive sheet having diametrically opposed tabs extending therefrom and being detachably secured to the support by the interlacing of the tabs with the support through the passage of said tabs through the slots so as to extend between the reverse surface of said abrasive sheet and the support.

3. A device for removing superfluous hair, which comprises a supporting sheet, a knob-like protuberance extending from substantially the center thereof, said supporting sheet being provided at two points adjacent its peripheral edge, diametrically in line with the knob-like protuberance, with a pair of slots, a plurality of flexible abrasive sheets having diametrically opposed tabs extending therefrom and being detachably secured to the support by the interlacing of the tabs with the support through the passage of said tabs through the slots so as to extend between the reverse surfaces of said abrasive sheets and the support.

4. A device for removing superfluous hair, which comprises a supporting sheet, a knob-like protuberance extending from substantially the center thereof and having a tapering arcuately outlined section adapted to be straddled by two fingers of the hand, said supporting sheet being provided adjacent its peripheral edge with a pair of slots, a plurality of flexible abrasive sheets having diametrically opposed tabs extending from the sheets, said flexible abrasive sheets being detachably secured to the support by the interlacing of the tabs with the support through the passage of said tabs through the slots so as to extend between the reverse surfaces of said abrasive sheets and the support.

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