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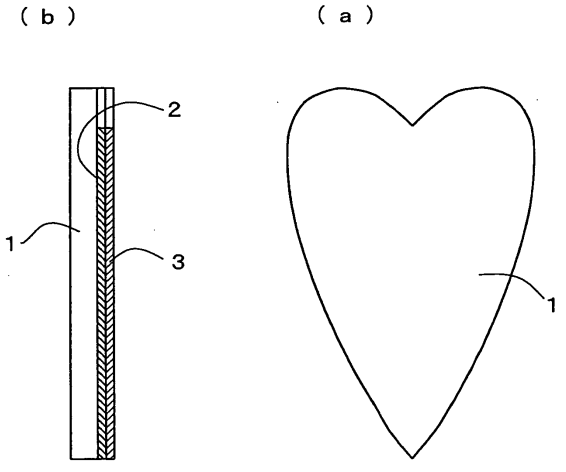
(54) UNDERHAIR FORMING TOOL

(57) An under hair forming tool can shave off or cut off the overflowing part of the under hair of a person except the necessary part thereof requiring neither skill nor care. The under hair forming tool is **characterized in that** an adhesive layer (2) is laid on the rear surface of an under hair contour sheet plate (1) having a predetermined profile. Preferably, the under hair forming tool is provided on the surface of the adhesive layer (2) with a peeling sheet layer (3) having a profile same as that of the under hair contour sheet plate (1) and/or perforations (6) arranged along the peripheral edge of the peeling sheet layer with a predetermined margin. To put the under hair forming tool in position, the peeling sheet layer (3) is peeled off at the outside of the perforations (6) to expose the underlying adhesive layer (2) and the under hair contour sheet plate (1) is applied accurately to the part of the under hair to be left at the rear surface thereof. Then, the under hair forming tool is held in position easily and safely. The sheet plate may be made of transparent or semi-transparent plastic, cloth, paper or metal such as aluminum, tin or copper.

Fig. 1



EP 2 016 853 A1

Description

Technical Field

[0001] This invention relates to an under hair forming tool. More particularly, the present invention relates to an under hair forming tool for trimming the under hair of an athlete who plays in a competition of rhythmic gymnastics, volleyball, figure skating, swimming or the like so as to make the contour of the under hair do not come out from the rims of the wear worn by the athlete and the under hair agreeable if recognized.

Background Art

[0002] If the contour of the under hair (pubes) of an athlete playing in a competition of rhythmic gymnastics, volleyball, figure skating, swimming or the like comes out from the rims of the wear worn by the athlete, the spectators are made to have a disagreeable feeling. The under hair is normally trimmed by means of a razor and/or a pair of scissors. However, under hair trimming is an operation that is time consuming and requires care and skill.

Disclosure of the Invention

[0003] To dissolve the above identified problem, the present invention provides an under hair forming tool as defined below.

[1] An under hair forming tool characterized in that an adhesive layer is laid on the rear surface of an under hair contour sheet plate having a predetermined profile.

[2] An under hair forming tool characterized in that an adhesive layer and a peeling sheet layer are sequentially laid as multilayer on the rear surface of an under hair contour sheet plate having a predetermined profile.

[3] An under hair forming tool characterized in that an adhesive layer is arranged along the peripheral edge of the rear surface of an under hair contour sheet plate having a predetermined profile.

[4] An under hair forming tool characterized in that an adhesive layer and a peeling sheet layer are sequentially laid as multilayer along the peripheral edge of the rear surface of an under hair contour sheet plate having a predetermined profile.

[5] An under hair forming tool characterized in that an adhesive layer and a peeling sheet layer having a profile same as an under hair contour sheet plate are laid as multilayer on the rear surface of the under hair contour sheet plate and perforations or slits are arranged along the peripheral edge of the peeling sheet layer with a predetermined margin.

[6] An under hair forming tool as defined in any one of [1] through [5] above, characterized in that the sheet plate is made of a plastic material.

[7] An under hair forming tool as defined in any one of [1] through [5] above, characterized in that the sheet plate is made of a transparent or semi-translucent plastic material.

[8] An under hair forming tool as defined in any one of [1] through [5] above, characterized in that the sheet plate is made of cloth or paper.

[9] An under hair forming tool as defined in any one of [1] through [5] above, characterized in that the plate is made metal such as aluminum, tin or copper.

[10] An under hair forming tool as defined in any one of [1] through [9] above, characterized in that the predetermined profile of the under hair contour sheet plate is selected from the profile of a heart, that of a tear drop, a triangle or a square.

[11] An under hair forming tool as defined in any one of [1] through [10] above, characterized in that a handle is fitted to the front surface of the under hair contour sheet plate having a predetermined profile.

[12] An under hair forming tool as defined in any one of [1] through [10] above, characterized in that a handle formed by a decorative ribbon is fitted to the front surface of the under hair contour sheet plate having a predetermined profile.

[13] An under hair forming tool as defined in any one of [1] through [12] above, characterized in that cutting guide lines are formed on the under hair contour sheet plate having a predetermined profile to make it as that of a large, medium or small size.

Advantages of the Invention

[0004] Thus, with an under hair forming tool according to the present invention, the necessary part of the under hair is protected to show a predetermined profile simply by accurately applying the under hair contour sheet plate having the predetermined profile accurately to that part of the under hair to be left at the rear surface thereof so as to be held there by means of the adhesive layer and shaving off, cutting off or otherwise removing the overflowing remaining part. The operation is an easy one and does not require neither skill nor any particular care.

[0005] When an under hair forming tool according to the present invention is provided on the surface of the adhesive layer with a peeling sheet layer having a profile

same as that of the under hair contour sheet plate and along the peripheral edge thereof with perforations is used, the under hair forming tool can be easily and safely held in position simply by peeling off the release sheet at the outside of the perforations to expose the underlying adhesive layer and applying the under hair contour sheet plate to the part of the under hair to be left at the rear surface thereof.

[0006] Thereafter, the under hair can be made to neatly show a predetermined profile by shaving off, cutting off or otherwise removing the overflowing remaining part of the under hair by means of an electric razor or a depilatory.

[0007] After the forming process, the under hair forming tool can be removed with easy by pulling and peeling off the under hair contour sheet plate.

Brief Description of the Drawings

[0008]

FIG. 1A is a schematic plan view of the first embodiment of an under hair forming tool according to the present invention and FIG. 1B is a schematic cross-sectional view of the first embodiment taken along the center line thereof.

FIG. 2A is a schematic plan view of the second embodiment of an under hair forming tool according to the present invention and FIG. 2B is a schematic cross-sectional view of the second embodiment taken along the center line thereof.

FIG. 3 is a schematic plan view of the third embodiment of an under hair forming tool according to the present invention.

FIG. 4 is a schematic plan view of another embodiment of an under hair forming tool according to the present invention.

FIG. 5 is a schematic plan view of other embodiments of an under hair forming tool according to the present invention having different profiles.

Explanation of Reference Symbols

[0009]

1:	under hair contour sheet plate
2:	adhesive layer
3 (3a,	3b): peeling sheet layer
4 (4a,	4b): cutting guide line
5:	ribbon
6:	perforations or slits

Best Mode for Carrying Out the Invention

[0010] Now, present invention will be described in greater detail by referring to the accompanying drawings that illustrate the best modes for carrying out the invention.

First Embodiment:

[0011] FIG. 1A is a schematic plan view of the first embodiment of an under hair forming tool according to the present invention and FIG. 1B is a schematic cross-sectional view thereof taken along the center line thereof.

[0012] Referring to FIGS. 1A and 1B, 1 denotes an under hair contour sheet plate having a predetermined profile (heart-like profile) and 2 denotes an adhesive layer bonded to the rear surface thereof. Furthermore, a peeling sheet layer 3 having a profile same as that of the under hair contour sheet plate is laid on the surface of the adhesive layer.

[0013] When using the under hair forming tool having the above described configuration, the peeling sheet layer 3 is firstly peeled off to expose the adhesive layer 2 and the under hair contour sheet plate is accurately applied to the part of the under hair to be left at the rear surface thereof to make the adhesive layer 2 adhere to that part so as to be held there.

[0014] Then, the part of the under hair overflowing from the under hair forming tool is shaved off or cut off by means of a razor or a hair clipper. Alternatively it may be removed by applying a depilatory.

[0015] Since the necessary part of the under hair is protected by the under hair forming tool to show a predetermined profile. Therefore, only the overflowing remaining part is shaved off, cut off or otherwise removed. The operation is an easy one and does not require neither skill nor any particular care.

[0016] In this embodiment, "Micropore Surgical Tape 1530" (trademark, available from 3M Healthcare Co. Ltd. which is a rayon type unwoven tape provided on the rear surface thereof with an acryl-based adhesive layer) is employed as the material of the under hair contour sheet plate and shaped to show a heart-like profile by means of a punch.

Second Embodiment:

[0017] FIG. 2A is a schematic plan view of the second embodiment of an under hair forming tool according to the present invention and FIG. 2B is a schematic cross-sectional view thereof taken along the center line thereof.

[0018] Referring to FIGS. 2A and 2B, 1 denotes an under hair contour sheet plate having a predetermined profile (heart-like profile) and 2 denotes an adhesive layer bonded to the rear surface thereof. Furthermore, a peeling sheet layer 3 (3a, 3b) having a profile same as that of the under hair contour sheet plate is laid on the surface of the adhesive layer.

[0019] Additionally, perforations or slits 6 are arranged along the peripheral edge of the peeling sheet layer 3 with a predetermined margin.

[0020] When using the under hair forming tool having the above described configuration, the release sheet 3a, which is a peripheral part of the peeling sheet layer 3, is firstly peeled off along the perforations 6 to expose the

adhesive layer 2 under it and the under hair contour sheet plate is accurately applied to the part of the under hair to be left at the rear surface thereof to make the adhesive layer 2 adhere to the pubes there so as to be held there.

[0021] Then, the part of the under hair overflowing from the under hair forming tool is shaved off or cut off by means of a razor or a hair clipper as described above by referring to the first embodiment. Alternatively it may be removed by applying a depilatory. Since the necessary part of the under hair is protected by the under hair forming tool to show a predetermined profile. Therefore, only the overflowing remaining part is shaved off, cut off or otherwise removed. The operation is an easy one and does not require neither skill nor any particular care.

Third Embodiment:

[0022] FIG. 3 is a schematic plan view of the third embodiment of an under hair forming tool according to the present invention.

[0023] This embodiment is adapted to have any of various sizes. As shown in FIG. 3, under hair contour sheet plate having a heart-like profile is provided with cutting guide lines 4a, 4b.

[0024] The cutting guide lines are arranged to accommodate the differences of size or liking among individuals. They include a cutting guide line 4a (for a medium size) and a cutting guide line 4b (for a small size). Thus, for example, an under hair contour sheet plate for a medium size can be produced by cutting the original under hair contour sheet plate along the cutting guide line 4a for a medium size by scissors and the like.

[0025] The sheet plate of an under hair forming tool according to the present invention is preferably made of a plastic material.

[0026] More preferably, the contour plate of an under hair forming tool according to the present invention is made of a plastic material that is transparent or semi-transparent. Then, the part of the under hair to be left is visible through the contour plate from the outside so that the user can see how it actually appears and hence the user can selectively determine the profile of the part of the under hair to be left according to his or her liking.

[0027] A sheet plate prepared by lamination of a PET sheet and a hologram film to show a brilliant and attractive appearance may also preferably be used for the sheet plate of an under hair forming tool according to the present invention.

[0028] The plastic material of the sheet plate may be selected from vinyl chloride resin, polyethylene resin, acryl resin, nylon resin and other resins because such materials can be processed with ease to form a thin plate and also colored with ease.

[0029] The sheet plate may alternatively be made of cloth, unwoven cloth or paper. If it is made of paper, the paper may be water-proof paper or water-soluble paper. Paper provides an advantage of being disposable.

[0030] Still alternatively, the sheet plate may be made of metal such as aluminum, tin or copper. A sheet plate may be formed by lamination of a metal sheet and a plastic sheet. Still alternatively, the contour plate may be formed by bonding a sheet of paper and a sheet of plastic or by impregnating a sheet of paper with resin and setting the sheet.

[0031] A sheet plate made of any of the above listed materials can be bent to show a profile that is curved by an appropriate angle and the curved profile can be maintained. Thus, the contour plate can be three-dimensionally accurately applied to the necessary part of the under hair so as to be held there. Then, the under hair can be trimmed accurately and easily.

[0032] The under hair contour sheet plate may be provided on the front surface thereof with a handle to improve the operability of the contour plate. A decorative ribbon 5 may be bonded to the sheet plate so as to operate as handle as shown in FIG. 4. Then, the ribbon operates both as handle and as decoration.

[0033] As shown in FIG. 5, the profile of the under hair contour sheet plate may be that of a tear drop (B), triangle (C) or square (D) instead of that of a heart (A), which is employed for the above described embodiments.

Claims

1. An under hair forming tool **characterized in that** an adhesive layer is laid on the rear surface of an under hair contour sheet plate having a predetermined profile.

2. An under hair forming tool **characterized in that** an adhesive layer and a peeling sheet layer are sequentially laid as multilayer on the rear surface of an under hair contour sheet plate having a predetermined profile.

3. An under hair forming tool **characterized in that** an adhesive layer is arranged along the peripheral edge of the rear surface of an under hair contour sheet plate having a predetermined profile.

4. An under hair forming tool **characterized in that** an adhesive layer and a peeling sheet layer are sequentially laid as multilayer along the peripheral edge of the rear surface of an under hair contour sheet plate having a predetermined profile.

5. An under hair forming tool **characterized in that** an adhesive layer and a peeling sheet layer having a profile same as an under hair contour sheet plate are laid as multilayer on the rear surface of the under hair contour sheet plate and perforations or slits are arranged along the peripheral edge of the peeling sheet layer with a predetermined margin.

6. The under hair forming tool according to any one of

claims 1 through 5, **characterized in that** the sheet plate is made of a plastic material.

7. The under hair forming tool according to any one of claims 1 through 5, **characterized in that** the sheet plate is made of a transparent or semi-translucent plastic material.

8. The under hair forming tool according to any one of claims 1 through 5, **characterized in that** the sheet plate is made of cloth or paper.

9. The under hair forming tool according to any one of claims 1 through 5, **characterized in that** the sheet plate is made of metal such as aluminum, tin or copper.

10. The under hair forming tool according to any one of claims 1 through 9, **characterized in that** the predetermined profile of the under hair contour sheet plate is selected from the profile of a heart, that of a tear drop, a triangle or a square.

11. The under hair forming tool according to any one of claims 1 through 10, **characterized in that** a handle is fitted to the front surface of the under hair contour sheet plate having a predetermined profile.

12. The under hair forming tool according to any one of claims 1 through 10, **characterized in that** a handle formed by a decorative ribbon is fitted to the front surface of the under hair contour sheet plate having a predetermined profile.

13. The under hair forming tool according to any one of claims 1 through 12, **characterized in that** cutting guide lines are formed on the under hair contour sheet plate having a predetermined profile to make it as that of a large, medium or small size.

Fig. 1

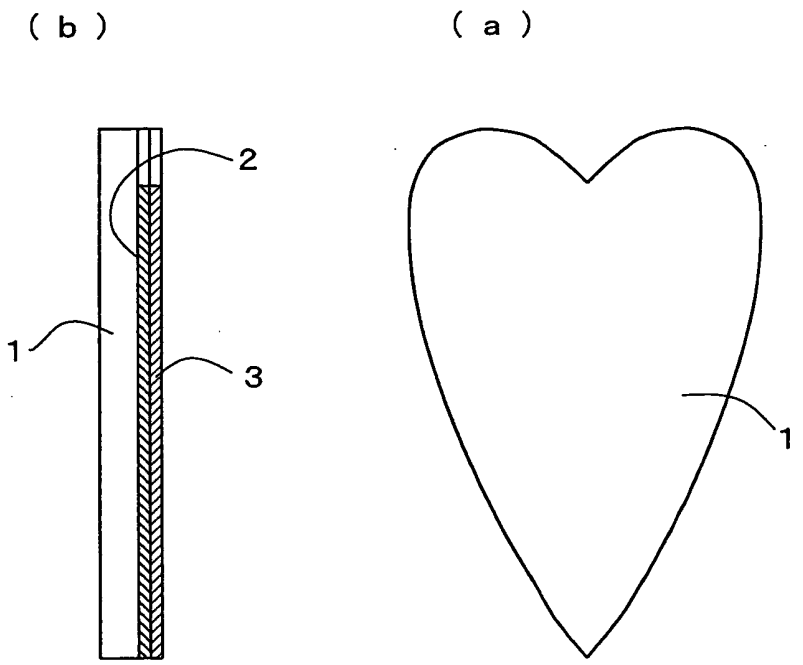


Fig. 2

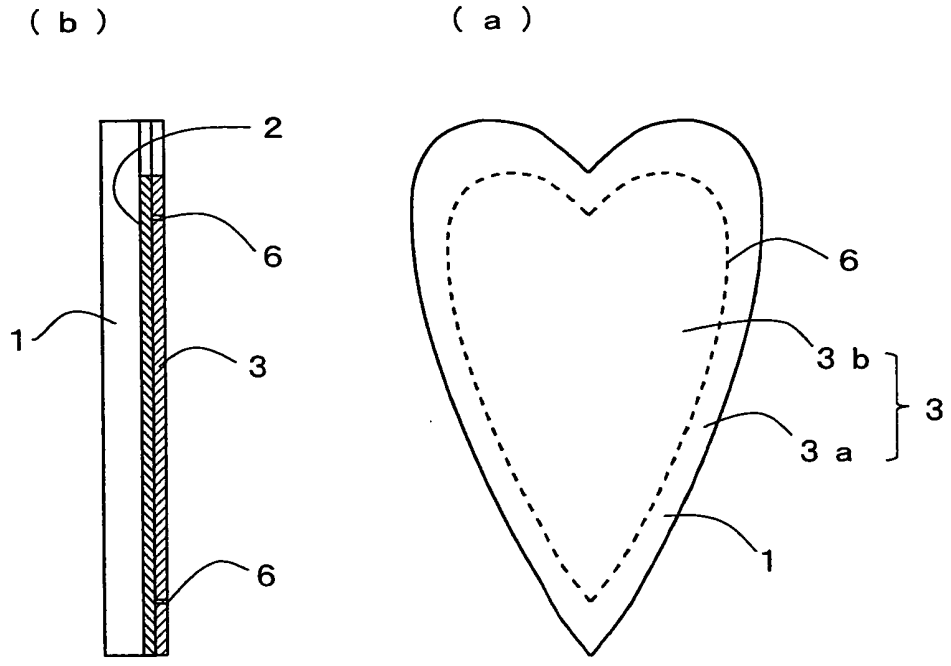


Fig. 3

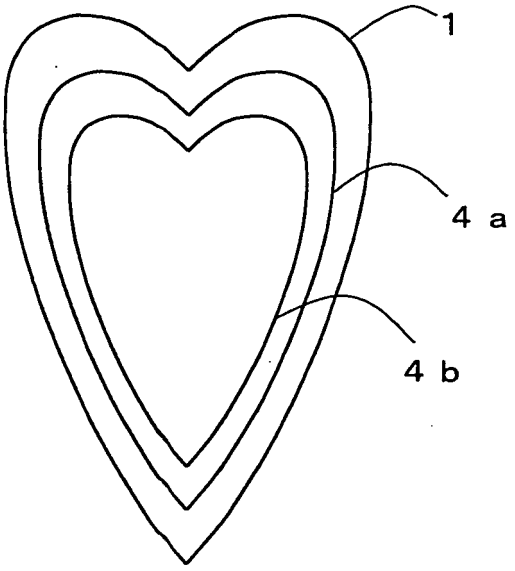


Fig. 4

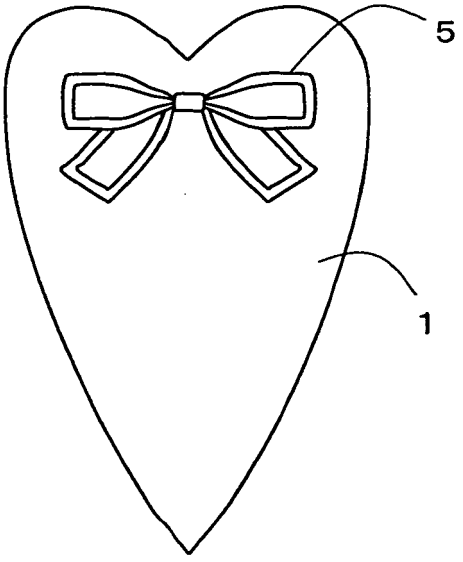
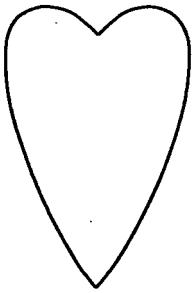
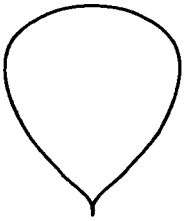


Fig. 5

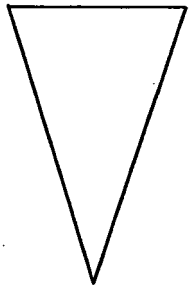
(A)



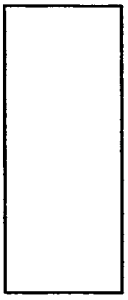
(B)



(C)



(D)



INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2007/059819

A. CLASSIFICATION OF SUBJECT MATTER
A45D24/36(2006.01)i, *A45D26/00*(2006.01)i, *A45D44/08*(2006.01)i, *A45D44/12*(2006.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A45D24/36, A45D26/00, A45D44/08, A45D44/12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2007
Kokai Jitsuyo Shinan Koho 1971-2007 Toroku Jitsuyo Shinan Koho 1994-2007

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 3120112 U (Yugen Kaisha Saegusa Biyo Risu), 23 March, 2006 (23.03.06), Full text (Family: none)	1,2,6-10 3-5,11-13
Y	JP 2000-333730 A (Kazuo TOYOTA), 05 December, 2000 (05.12.00), Par. Nos. [0009], [0018]; Fig. 4 (Family: none)	3-5
Y	JP 3080835 U (Koji Honpo Co., Ltd.), 18 July, 2001 (18.07.01), Par. Nos. [0006] to [0007]; Figs. 1 to 4 (Family: none)	5

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search	Date of mailing of the international search report
27 June, 2007 (27.06.07)	17 July, 2007 (17.07.07)
Name and mailing address of the ISA/ Japanese Patent Office Facsimile No.	Authorized officer Telephone No.

Form PCT/ISA/210 (second sheet) (April 2005)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2007/059819

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 64282/1990(Laid-open No. 25608/1992) (Masakazu TSUNODA), 28 February, 1992 (28.02.92), Full text (Family: none)	11,12
Y	JP 6-237816 A (Kabushiki Kaisha Onetoucher), 30 August, 1994 (30.08.94), Par. Nos. [0009] to [0010], [0016] to [0019]; Fig. 1 (Family: none)	13

Form PCT/ISA/210 (continuation of second sheet) (April 2005)