DESCRIPTION

BEAUTY AID

Technical Field

[0001]

The invention relates to a beauty aid equipped with massage rollers to aim for beautifully conditioned skin.

Background Art

[0002]

The known beauty aids of this type are conventionally structured as described in, for example, Patent Literatures 1 and 2.

The beauty aid described in Patent Literature 1 has three stainless balls spaced at equal intervals on its body, the balls being rotatably supported by their ball supports. When these stainless balls are pressed onto and moved on the skin, the skin is massaged.

[0003]

The beauty aid described in Patent Literature 2 has two spherical rollers supported on ends of a handle, the rollers being rotatable on two shaft lines extending so as to spread out toward their ends.

Citation List

Patent Literature

[0004]

Patent Literature 1: Japanese Utility Model Registration No. 3151598

Patent Literature 2: Japanese Design Registration No. 1426575

Summary of Invention

Technical Problem

[0005]

These known beauty aids have the disadvantages described below. In the case of the beauty aid described in Patent Literature 1, since the stainless rollers are simply pressed onto and/or rolled on the skin, it is difficult to produce an effective massage effect.

[0006]

The beauty aid described in Patent Literature 2 may, by using two spherical rollers, produce substantially the same massage effect as provided by the beauty aid of Patent Literature 1. This beauty aid, when the two rollers pressed onto the skin are rotated and moved in one direction, works in a manner that the skin is nipped between the two rollers and thereby lifted upward. This skin nip-lifting massage effect, however, can only be obtained when the rollers are rotating in one direction. To enjoy a skin pressing massage effect and a skin nip-lifting massage effect simultaneously, a user may need to meticulously move the beauty aid back and forth. Thus, handling of this beauty aid is not very user-friendly.

[0007]

The invention was accomplished to solve these problems with the prior art. The invention has an object to provide a beauty aid capable of producing a skin pressing massage effect and a skin nip-lifting massage effect simultaneously through the unidirectional motion of its body.

Solution to Problem

[0008]

To achieve the object, a beauty aid according to the invention has a body,

support shafts supported on the body and located on at least three shaft lines which extend inclinedly so as to spread out toward distal ends thereof, and massage rollers rotatably supported by the support shafts.

[0009]

This beauty aid is characterized in that, when its body is moved, with the rollers being pressed onto skin, in one direction and another direction along a direction intersecting a direction of arrangement of paired adjacent ones of the rollers, the rollers rotate around the support shafts on the shaft lines which extend inclinedly so as to spread out toward their distal ends. At the time, adjacent rollers ahead of the other rollers rotate on the intersecting shaft lines spreading out forward in the moving direction. These rollers thus rotated can effectively press and thereby massage the skin. On the other hand, the other adjacent rollers behind rotate inward on the intersecting shaft lines spreading out backward in the moving direction. These rollers thus rotated can effectively nip-lift and thereby massage the skin. Advantageously, this beauty aid can produce the different massage effects for the skin, which are a pressing effect and a nip-lifting effect, through the unidirectional motion, instead of reciprocating motion, of the body. The state being “inclined so as to spread out toward distal ends” is, in other words, the state being “inclined so that inter-shaft intervals increase toward distal ends”. In this beauty aid, the support shafts are located on at least three shaft lines which extend inclinedly so that their inter-shaft intervals increase toward their distal ends.

Effects of Invention

[0010]

This beauty aid can produce a skin pressing massage effect and a skin nip-lifting massage effect simultaneously through the unidirectional motion of its body.

Brief Description of Drawings

[0011]

Fig. 1 is a perspective view of a beauty aid according to an embodiment of the invention.

Fig. 2 is a perspective view of the beauty aid in Fig. 1, seen from its bottom side.

Fig. 3 is a plan view of the beauty aid.

Figs. 4 (a) and 4(b) are front views of the beauty aid, illustrating different operations.

Figs. 5 (a) and 5(b) are side views of the beauty aid, illustrating different operations.

Fig. 6 is an enlarged sectional view of Fig. 3 cut along 6-6 line.

Fig. 7 is a partly enlarged sectional view of Fig. 6 cut along 7-7 line.

Fig. 8 is a sectional view of a roller support structure.

Fig. 9 is a sectional view of a modified example of the roller support structure.

Fig. 10 is a sectional view of another modified example of the roller support structure.

Fig. 11 is a side view of a modified example of a roller shape.

Fig. 12 is a side view of another modified example of a roller shape.

Fig. 13 is a side view of yet another modified example of a roller shape.

Fig. 14 is a side view of yet another modified example of a roller shape.

Description of Embodiments

[0012]

A beauty aid according to an embodiment of the invention is hereinafter described in detail referring to the accompanying drawings.

As illustrated in Figs. 1 and 2, a beauty aid 11 according to this embodiment has a body 12 formed of a synthetic resin. As shown in Figs. 2 and 6, the body 12 has four leg portions 121 protruding at four corner sections thereof. The leg portions 121 are located at top corners of a rectangle. Four support shafts 13, 14, 15, and 16 in total are protrudingly formed on the leg portions 121. As illustrated in Figs. 4 and 5, when situated on a horizontal plane, the support shafts 13 to 16 are formed at corners of the rectangle and extending inclinedly to a vertical line so as to spread out toward their distal ends. As illustrated in Figs. 4 (a) and 4(b), in a lateral view, two pairs of the support shafts 13 and 14, and 15 and 16 are respectively situated at both ends of short sides of the rectangle with the short sides interposed therebetweeen, and these support shafts are inclined so as to spread out toward their distal ends. The paired support shafts 13 and 14 and the paired support shafts 15 and 16 are respectively spaced at a relatively small inter-shaft interval L1. As illustrated in Figs. 5 (a) and 5(b), in another lateral view different from the lateral view by 90 degrees, two pairs of the support shafts 13 and 15, and 14 and 16 are respectively situated at both ends of long sides of the rectangle with the long sides interposed therebetweeen, and these support shafts are inclined so as to spread out toward their distal ends. Between the paired support shafts 13 and 15, 14 and 16 is an inter-shaft interval L2 greater than the interval L1. Of the four support shafts 13, 14, 15, and 16, therefore, two pairs of the support shafts in the lateral view are inclined so as to spread out toward their distal ends, and two pairs of the support shafts in another lateral view different from the lateral view by 90 degrees are similarly inclined so as to spread out toward their distal ends.

[0013]

As illustrated in Figs. 2 and 8, the support shafts 13 to 16 rotatably support massage rollers 17, 18, 19, and 20 at distal ends thereof by means of bearings 40. Shaft lines 101, which are respectively centers of rotation of the rollers 17 to 20, are coincident with shaft lines 100 of the support shafts 13 to 16. The rollers 17 to 20 are formed of a synthetic resin in a substantially spherical shape as a whole. The rollers 17 to 20 have a large number of triangular facets 171, 181, 191, and 201 respectively formed on their outer surfaces. These facets apply a good stimulus to the skin surface and tissues. The outer surfaces of the rollers 17 to 20 are plated with an electro-conductive metal constituting an electrical conductive material.

[0014]

As illustrated in Fig. 6, the body 12 has a boss 21 formed at its center part. A support shaft 23 protrudingly formed at the center on the lower surface of a handle 22 is inserted in the boss 21, so that the handle 22 is supported on the body 12. The handle 22 is rotatable in a plane on which the rollers 17 to 20 are situated. The handle 22 is also allowed to move upward and downward on the drawing of Fig. 6. As illustrated in Fig. 3, the handle 22 is large enough to cover the whole upper surface of the body 12. The handle 22 is formed of a synthetic resin in substantially the shape of a balance weight in planar view. The handle 22 has gripping portions 221 on both sides thereof. The gripping portions 221 each form an arc-shaped concavity. The outer surface of the handle 22 is plated with an electro-conductive metal constituting an electrical conductive material. The electro-conductive metal plating of the handle 22 and the electro-conductive metal plating of the rollers 17 to 20 are electrically insulated from each other. Between a lower end of the boss 21 and a spring washer 24 secured to a lower end of the support shaft 23 is interposed a spring 25 for imparting an elastic force in a direction to move the handle 22 downward on the drawing of Fig. 6.

[0015]

As illustrated in Figs. 6 and 7, the handle 22 has a metal-made collar embedded therein at the center on its lower surface. The collar 26 has a pair of semi-spherical engaging projections 27 formed on its lower surface at intervals of 180 degrees on a circumference centered on the shaft center of the support shaft 23. The body 12 has pairs of semi-spherical engaging dents 28, 29, 30, and 31 formed at the center on the upper surface of the boss 21. These engaging dents are formed to engageably fit the engaging projections 27 therein. The pairs of engaging dents 28 to 31 are formed at intervals of 45 degrees on the circumference centered on the shaft center of the support shaft 23. When the handle 22 is rotated clockwise or counterclockwise relative to the body 12, the engaging projections 27 are fitted in and engaged with the engaging dents 28 to 31. The position at which the handle 22 rotates is accordingly adjusted at every 45 degrees. As illustrated in Fig. 3 with solid and dotted lines, for example, the handle 22 can be optionally redirected at every 45 degrees within 360 degrees. By suitably changing the number and/or pitch of the engaging dents, angles of the handle 22 to be adjusted and an allowable range of degrees can be selectively decided. Thus, the engaging projections 27 and the engaging dents 28 to 31 constitute a holding mechanism whereby the handle 22 is held in different directions.

[0016]

As illustrated in Figs. 1, 3, and 6, the handle 22 has a pair of recesses 32 formed on its upper surface, and a solar cell panel 33 is installed in each of the recesses 32 of the handle 22. Power outputted from the solar cell panels 33 is supplied to the electro-conductive metal plating of the rollers 17 to 20 and the electro-conductive metal plating of the handle 22 through a power feed line not illustrated in the drawings. In that sense, the electro-conductive metal plating serves as output terminals of the solar

cell panels 33, and generated power is outputted from the solar cell panels 33 to the electro-conductive metal plating of the rollers 17 to 20 and the electro-conductive metal plating of the handle 22. During the use of the beauty aid 11, human body-mediated electric circuits are formed between the electro-conductive units, and week current flows through a massage recipient's body including skin between the rollers 17 to 20 and the handle 22. This increases the stimulus to the body, enhancing the cosmetic effect.

[0017]

The operation of the beauty aid 11 thus structured is hereinafter described. To massage substantially non-flat parts of a massage recipient's body with large curvatures such as arms, legs, and neck using this beauty aid 11, a user, gripping the gripping portions 221 of the handle 22, presses the rollers 17 to 20 onto a skin 34 of his/her body part to be massaged as illustrated with dotted lines in Fig. 4 (a). Then, the user moves the beauty aid in an arrow-P1 direction illustrated in Figs. 2 and 3 orthogonal to a direction of arrangement of the short-spaced rollers 17 and 18, and 19 and 20, or a direction opposite to the arrow-P1 direction.

[0018]

When the beauty aid 11 is moved in, for example, the arrow-P1 direction on the drawings of Figs. 2 and 3, the paired rollers 17 and 18 ahead of the other rollers in the moving direction rotate on intersecting shaft lines spreading out forward in the moving direction as illustrated with curved arrows Q1 and Q2. The rollers 17 and 18 thus rotated press and thereby massage the skin 34 as illustrated in Fig. 4 (a). At the same time, the other paired rollers 19 and 20 behind in the moving direction rotate inward on shaft lines whose front sides draw nearer to each other in the moving direction and intersect as illustrated with arrows Q3 and Q4 in Figs. 2 and 3. Then, the

skin 34, being nipped between the rollers 19 and 20 and thereby lifted, is massaged as illustrated in Fig. 4 (b). Thus, this beauty aid, through the unidirectional movement of the body 12, can produce different massage effects for the skin 34 simultaneously: pressing effect and nip-lifting effect.

[0019]

When the body 12 is moved by the handle 22 in the direction opposite to the arrow-P1 direction illustrated in Figs. 2 and 3, the pressing and nip-lifting massages are performed by the rollers 17 to 20 paired otherwise. Specifically, the paired rollers 19 and 20 ahead of the other rollers press and thereby massage the skin 34 as illustrated in Fig. 4 (a). At the same time, the other paired rollers 17 and 18 behind nip-lift and thereby massage the skin 34 as illustrated in Fig. 4 (b). When the body 12 is moved back and forth in the arrow-P1 direction and the opposite direction on the drawings of Figs. 2 and 3, the skin 34 receives the pressing and nip-lifting massage effects in succession in these two directions.

[0020] Between the support shafts 13 and 14 and the support shafts 15 and 16 respectively supporting the paired rollers 17 and 18 and the paired rollers 19 and 20 is a relatively small inter-shaft interval L1. The paired rollers 17 and 18, and 19 and 20 can accordingly effectively massage the body parts with large curvatures, such as arms and ankles, as described earlier. As illustrated in Fig. 4 (b), the nip-lifting action, especially, works as a cosmetically effectual massage for the skin 34.

[0021]

To massage relatively flat body parts with small curvatures, such as thighs and lower back, a user, gripping the gripping portions 221 of the handle 22, presses the rollers 17 to 20 onto the skin 34 of the thigh or lower back, and then moves the rollers 17 and 19 and the rollers 18 and 20 in an arrow-P2 direction illustrated in Fig. 3. Then,

the paired rollers 17 and 19 ahead of the other rollers press and thereby massage the skin 34 as illustrated in Fig. 5 (a), and the other paired rollers 18 and 20 behind nip-lift and thereby massage the skin 34 as illustrated in Fig. 5 (b).

[0022]

When the body 12 is moved in the direction opposite to the arrow-P2 direction illustrated in Fig. 3, the pressing and nip-lifting massages are performed by the rollers 17 to 20 paired otherwise. Specifically, the paired rollers 18 and 20 ahead of the other rollers are pressed onto the skin 34 as illustrated in Fig. 5 (a), while the other paired rollers 17 and 19 behind nip-lift the skin 34 as illustrated in Fig. 5 (b). Every time the body 12 is moved in one direction, the skin 34 can receive both the pressing massage effect and the nip-lifting massage effect. When the body 12 is reciprocated in the arrow-P2 direction illustrated in Fig. 3 and the opposite direction, the skin can receive these massage effects in succession.

[0023]

Referring to the pair of the rollers 17 and 19 and the pair of the rollers 18 and 20 described in the preceding paragraph, between the support shafts 13 and 15 and the support shafts 14 and 16, which support these rollers respectively, is a greater inter-shaft interval L2. Then, the rollers 17 and 19 and the rollers 18 and 20 respectively paired can effectively massage body parts with small curvatures such as thighs and lower back.

[0024]

To massage any of small-curvature and large-curvature body parts, the handle 22 can be optionally angularly adjusted at every 45 degrees within 360 degrees. By adjusting the handle 22 to a suitable angle depending on body parts to be massaged, a user can effortlessly hold the handle 22 and thereby easily massage the skin without physical strain.

[0025]

This embodiment provides the following advantages.

(1) The beauty aid 11 has four support shafts 13 to 16 protrudingly formed on its body 12 and extending inclinedly so as to spread out toward their distal ends. The support shafts 13 to 16 rotatably support the massage rollers 17 to 20.

[0026]

In the beauty aid 11 thus structured, of the rollers 17 to 20, a pair of adjacent rollers ahead of the other rollers presses and thereby massages the skin 34, whereas the other pair of adjacent rollers behind nip-lifts and thereby massages the skin 34 between the rollers. Thus, the beauty aid can simultaneously produce two different massage effects for the skin 34 and muscles, which are a pressing effect and a nip-lifting effect, through the unidirectional motion, instead of reciprocating motion, of the body 12.

[0027]

(2) The beauty aid 11 has four support shafts 13 to 16 respectively constituting two pairs. The paired support shafts 13 and 15 and the paired support shafts 14 and 16 are respectively spaced at the inter-shaft interval L2 greater than the inter-shaft interval L1 between the paired support shafts 13 and 14, and 15 and 16. To massage narrow body parts such as arms and ankles, the body 12 is held and moved with the rollers 17 to 20 being situated in the moving direction such that the rollers 17 and 18 supported by the paired support shafts 13 and 14 spaced at the smaller interval L1 are ahead of the rollers 19 and 20 supported by the paired support shafts 15 and 16 also spaced at the smaller interval L1. Then, the two pairs of rollers 17 to 20 can produce the different massage effects, pressing effect and nip-lifting effect, for narrow body parts with large curvatures such as arms. To massage wide body parts with small curvatures such as thighs and lower back, on the other hand, the body 12 is held and moved with the rollers 17 to 20

being situated in the moving direction such that the rollers 17 and 19 supported by the paired support shafts 13 and 15 spaced at the larger interval L2 are ahead of the rollers 18 and 20 supported by the paired support shafts 14 and 16 also spaced at the larger interval L2. Then, the two pairs of rollers 17 to 20 can produce the different massage effects, pressing effect and nip-lifting effect, for wide body parts. Thus, the rollers 17 to 20 can be appropriately combined and used for any parts to be massaged of a user's body. This provides effective massages well-suited for different body parts that a user wants to massage.

[0028]

(3) The beauty aid 11 has the handle 22 on its body 12. A user, holding the handle 22, can easily move the body 12. This greatly helps the user to perform the massages.

[0029]

(4) In the beauty aid 11, the handle 22 can be optionally redirected and held at a desired angle. Whenever the handle 22 is redirected depending on body parts to be massaged, the body 12 can be effortlessly moved in any desired direction. This improves the handleability of this beauty aid and massage effects thereby produced.

[0030]

Modified Examples

This embodiment includes some modifications as described below.

· The number of the support shafts 13 to 16, namely, the number of the rollers may be three, or five or more. With three rollers, for example, the rollers may be spaced at different intervals, so that different body parts can be massaged in accordance with their curvatures, and a larger or smaller portion of the skin and/or muscles can be nipped and lifted.

[0031]

· The handle 22 may be structured so as to be redirected at an angle different from that in the foregoing structure: for example, every 30 degrees.

· The handle 22 may be shaped differently to the embodiment, for example, in the form of a bar, ball, or annular member.

[0032]

· The handle 22 may be omitted, in which case the body 12 serves the purpose of the handle.

· The handle 22 may be integral with the body 12.

[0033]

· The handle 22 may be securely fixed to the body 12.

· The body 12 may be formed of, instead of a synthetic resin, a material such as metal, lumber, stone, or ceramic.

[0034]

· The handle 22 may be formed of, instead of a synthetic resin, a material such as metal, lumber, stone, or ceramic.

· The electro-conductive metal plating may be omitted for the body 12, handle 22, and rollers 17 to 20. In that case, embedded type output terminals of the solar cell panels 33 may be formed on surfaces of the body 12, handle 22, and/or rollers 17 to 20 to allow for contacts between a user’s skin and the output terminals.

[0035]

· The number of solar cell panels 33 may be one, or three or more.

· The solar cell panels 33 may be omitted.

· At least one roller may be diametrically different from the other rollers, or all of the rollers may have different diameters.

[0036]

· As illustrated in Fig. 9, the center shaft lines 101 of one or more rollers 17 to 20 may be non-coincident with the center shaft lines 100 of the support shafts 13 to 16. In this example, the center shaft lines 101 of the rollers 17 to 20 may be differently located and inclined to the center shaft lines 100 of the support shafts 13 to 16. The center shaft lines 101 of the rollers 17 to 20 may or may not intersect the center shaft lines 100 of the support shafts 13 to 16. This invites the rollers 17 to 20 to oscillate while rotating as illustrated with two-dotted chain lines in Fig. 9, thereby allowing for suitable adjustments of strengths of the pressure applied to the skin.

[0037]

· As illustrated in Fig. 10, the center shaft line 101 of one or more rollers 17 to 20 may be eccentric to the center shaft lines 100 of the support shafts 13 to 16. In this example, the center shaft lines 101 of the rollers 17 to 20 are parallel to the center shaft lines 100 of the support shafts 13 to 16. This invites the rollers 17 to 20 to eccentrically rotate as illustrated with two-dotted chain lines in Fig. 10, thereby allowing for suitable adjustments of strengths of the pressure applied to the skin.

[0038]

· Optionally, the support shafts 13 to 16 of one or more rollers 17 to 20 are rotatably supported on the body 12 by means of bearings, and the rollers 17 to 20 are securely fixed to the support shafts 13 to 16. This allows the support shafts 13 to 16 and the rollers 17 to 20 to integrally rotate. In this example, though not illustrated in the drawings, the support shafts 13 to 16 of one or more rollers 17 to 20 may be bent or curved between parts supported by the leg portions 121 and parts supporting the rollers 17 to 20. Thus structured, the support shafts 13 to 16, on the whole, form a dogleg or crank shape. This invites the rollers 17 to 20 to oscillate while rotating or eccentrically

rotate, thereby allowing for suitable adjustments of strengths of the pressure applied to the skin.

[0039]

· As illustrated in Figs. 11 to 14, the rollers 17 to 20 may be changed in shape. The rollers 17 to 20 are spherical rollers in Fig. 11, elliptical or rugby ball-shaped rollers in Fig. 12, cylindrical rollers with semi-spherical both ends in Fig. 13, and balloon-shaped rollers with semi-spherical one ends in Fig. 14. Other examples of the shape are flat rollers with both ends chipped-off, tubular rollers with cylindrical outer surfaces such as drum-shaped or barrel-shaped rollers, and polygonal (decagonal or dodecagonal) tubular rollers. The balloon-shaped rollers, for example, can nip-lift the skin with the distal end side parts with large curvatures and retain the nip-lifted skin with the parts with small curvatures. This can improve the skin nip-lifting effect.

[0040]

· The facets 171, 181, 191, and 201 on the surfaces of the rollers 17 to 20 may be reshaped into, for example, square facets as illustrated in Fig. 11, long thin facets as illustrated in Fig. 12, or circular facets as illustrated in Fig. 14. Referring to Fig. 12, the rollers 17 to 20 have annular lines 103 at their diametrically largest parts. The rollers 17 to 20 illustrated in Fig. 13 have flattened surfaces without the facets 171, 181, 191 or 201. The surfaces may be pearskin-finished or dimpled with multiple fine pores.

[0041]

· The surfaces of the rollers 17 to 20 may have multiple wart-like projections.

· In one or more rollers 17 to 20 that may be formed in various shapes such as substantially spherical or rugby ball-like shapes, their surfaces may be dented or projected at plural positions or partly in the circumference of a portion in contact with

the skin. In this example, the intervals among the rollers 17 to 20 accordingly change during the rotations of the rollers 17 to 20, thereby allowing for suitable adjustments of strengths of the pressure applied to the skin.

[0042]

· A difference in electrical potentials may be intentionally caused between adjacent ones of the rollers 17 to 20 on the long sides or diagonally adjacent ones of the rollers. Then, alternate current or pulse current flows between the rollers 17 to 20, providing electrical massages to the skin and/or muscles between the rollers 17 to 20. It should be noted that an electrical insulating configuration is necessary between the ones of the rollers 17 to 20 with such a potential difference.

[0043]

Other Technical Concept

The following technical concept is drawn from the embodiment described thus far.

(A) A beauty aid wherein the shaft line of at least one roller is present at a location different from the shaft line of the support shaft.

[0044]

(B) A beauty aid wherein the shaft line of the roller is inclined to the shaft line of the support shaft.

(C) A beauty aid wherein the shaft line of the roller is parallel to the shaft line of the support shaft.

Reference Signs List

[0045]

11 beauty aid

12	body
13 - 16	support shaft
17 - 20	roller
22	handle
33	solar cell panel
100	shaft line
101	shaft line
L1, L2	inter-shaft interval

CLAIMS

1. A beauty aid, comprising:

a body;

support shafts supported on the body, the support shafts being located on at least three shaft lines which extend inclinedly so as to spread out toward distal ends thereof; and

massage rollers rotatably supported by the support shafts.

2. A beauty aid, comprising:

a body;

support shafts rotatably supported on the body, the support shafts being located on at least three shaft lines which extend inclinedly so as to spread out toward distal ends thereof; and

massage rollers securely fixed to the support shafts.

3. The beauty aid according to claim 1 or 2, wherein the number of the support shafts is four.

4. The beauty aid according to claim 3, wherein the support shafts include a pair of support shafts spaced at a small inter-shaft interval and a pair of support shafts spaced at a large inter-shaft interval.

5. The beauty aid according to claim 3 or 4, wherein, of the support shafts, at least a pair of support shafts is inclined so as to spread out toward distal ends thereof in a lateral view.

6. The beauty aid according to claim 5, wherein, of the support shafts, at least a pair of support shafts is inclined so as to spread out toward distal ends thereof in another lateral view different from the lateral view by 90 degrees.

7. The beauty aid according to claim 4 or 5, wherein, of the support shafts,

two pairs of support shafts are inclined so as to spread out toward distal ends thereof in a lateral view, and

two pairs of support shafts are inclined so as to spread out toward distal ends thereof in another lateral view different from the lateral view by 90 degrees.

8. The beauty aid according to any one of claims 3 to 7, wherein the support shafts are situated at corners of a rectangle.

9. The beauty aid according to any one of claims 1 to 8, wherein the body comprises a handle.

10. The beauty aid according to claim 9, wherein the handle is adjustable in direction in a plane on which the rollers are situated.

11. The beauty aid according to claim 10, further comprising a holding mechanism for holding the handle in any adjusted direction.

12. The beauty aid according to claim 10 or 11, wherein

surfaces of the roller and the handle are formed of an electrical conductive material,

a solar cell panel is installed on an upper surface of the handle, and

the electrical conductive material on the surfaces of the roller and the handle constitutes an output terminal of the solar cell panel.