

【DESCRIPTION】

【Invention Title】

FOUNDATION CONTAINER CAPABLE OF EASILY PREVENTING GEL-
STATE CONTENT FROM REMAINING

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【Technical Field】

The present invention relates to a foundation container
capable of easily preventing gel-state contents from
remaining and, more particularly, to a foundation container
10 capable of easily preventing gel-state contents from
remaining, wherein a content container has a bottom surface
formed to be concave, and the lower side of an impregnation
member corresponding to the bottom surface is formed to be
convex such that the contents, which are impregnated into the
15 impregnation member, may gather at the center of the concave
bottom surface, thereby enabling the contents to be fully
used up.

【Background Art】

20 In general, cosmetics are manufactured by mixing mutually
different materials having mutually different specific
gravity, and the cosmetic materials may be classified into
water-in-oil (W/O) emulsion type cosmetic material and oil-
in-water (O/W) emulsion type cosmetic material obtained by
25 mixing water-based material and oil-based material such as an

emulsifying agent including a surface active agent.

The water-in-oil emulsion type cosmetic material has a larger quantity of oil than that of water and is oily so that the absorption of skin is slow. Although the touch feeling of the water-in-oil emulsion type cosmetic material is heavy,
5 the persistence is longer than that of the oil-in-water emulsion type cosmetic material. The oil-in-water emulsion type cosmetic material has a larger quantity of water than that of oil and is little oily so that the absorption of skin
10 is fast. Although the touch feeling of the water-in-oil emulsion type cosmetic material is flash and light, the persistence is low.

Therefore, the cosmetics requiring persistence are manufactured by using the W/O emulsion type cosmetic material
15 to increase water resistance against sweat and water.

Although the touch feeling of the W/O emulsion type cosmetic material is heavy and sticky, the defects may be compensated by reducing the viscosity of content. However, when the water-in-oil product having low viscosity remains
20 for a long time in circulation, the aqueous material of internal phase and the oil materials of external phase may be separated from each other. In this case, a user shakes a container to mix the separated aqueous and oil materials with each other for use, but it is inconvenient to shake the
25 container for use.

To solve the problems, applicant of the present invention has developed a compact container disclosed in Korean Patent Registration No. 10-1159877, where low-viscosity water-in-oil contents are impregnated into an impregnation member
5 contained in the compact container.

In a gel-type content impregnated compact container, the gel-type contents are uniformly impregnated into the gel-type content impregnation member contained in an inner container in initial use.

10 However, as a customer uses the gel-type contents of the impregnation member after sticking the gel-type contents on a puff, the gel-type contents placed at an upper part of the impregnation member is used up and in addition, the gel-type contents moves from the upper part to a lower part. Thus,
15 even though the gel-type contents remains below, when the puff makes contact with the upper surface of the impregnation member, the gel-type contents are not sufficiently stuck on the puff, so that it is very difficult to use the compact.

In this case, since the impregnation member and the inner
20 container containing the impregnation member have flat bottoms, the gel-type contents evenly remain on the bottom of the impregnation member.

Thus, when a user attempts to use gel-type contents by stamping a puff on the upper surface of the impregnation
25 member, the gel-type contents are rarely stuck on the puff,

so that it is difficult to use the gel-type contents.

For this reason, customers separate the impregnation member from the inner container, turn over the impregnation member, and then insert the impregnation member into the inner container again to use contents. However, it may be difficult for a customer to separate the impregnation member from the inner container and the gel-type contents may be polluted while the impregnation member is coupled to the inner container. In addition, the surroundings may become dirty and it is inconvenient to use the contents.

【Disclosure】

【Technical Problem】

To solve the problems described above, an object of the present invention is to provide a foundation container capable of easily preventing gel-state contents from remaining, wherein a content container has a bottom surface formed to be concave, and the lower side of an impregnation member corresponding to the bottom surface is formed to be convex such that the contents, which are impregnated into the impregnation member, may gather at the center of the concave bottom surface, thereby enabling the contents to be fully used up.

Another object of the present invention is to provide a foundation container capable of easily preventing gel-state

contents from remaining, which can be conveniently used since a customer fully uses up gel-type contents even though the impregnation member is not turned over to use the gel-type contents remaining a lower part of the impregnation member.

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【Technical Solution】

The present invention provides a foundation container capable of easily preventing gel-type contents from remaining, which includes:

10 a content container (10) having a concave bottom surface (13);

an impregnation member (20) having a convex lower part and contained in the content container (10);

a coupling ring (30) coupled to an upper end of the
15 content container (10); and

a container cover (40) coupled to an outer periphery surface of an upper end of the content container (10).

The content container (10), in which the impregnation member (20) is embedded, may be coupled to a separated
20 container body (50).

According to another aspect of the present invention, there is provided a foundation container capable of easily preventing gel-type contents from remaining, which includes:

a container body (50);

25 a body cover (60) hinge-coupled to the container body (50)

to be opened or closed;

an inner container (70) installed in the container body (50);

an inner container cover (80) coupled to the inner
5 container (70);

a content container (10) coupled to an inside of the inner container (70) and formed with a concave bottom surface (13); and

a coupling ring (30) coupled to an upper end of the
10 content container (10).

The content container (10) is provided on an outer periphery surface of an upper end thereof with a coupling protrusion (11) and provided on an inner periphery surface of the upper end thereof with a coupling ring groove (12).

15 The impregnation member (20) is provided at a lower end thereof with a concave groove to form a content storage space (21).

The coupling ring (30) is provided with a push ring sill (31) and a coupling ring protrusion (32).

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【Advantageous Effects】

According to the foundation container of the present invention, the content container has the bottom surface formed to be concave, and the lower side of the impregnation
25 member corresponding to the bottom surface is formed to be

convex, such that the contents, which are impregnated into the impregnation member, may gather at the center of the concave bottom surface, thereby enabling the contents to be fully used up.

5 In addition, the foundation container according to the present invention may be conveniently used since a customer fully uses up gel-type contents even though the impregnation member is not turned over to use the gel-type contents remaining a lower part of the impregnation member.

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【Description of Drawings】

FIG. 1 is a perspective view showing a foundation container capable of easily preventing gel-type content from remaining according to an embodiment of the present
15 invention.

FIG. 2 is an exploded perspective view showing one example of a foundation container capable of easily preventing gel-type content from remaining according to an embodiment of the present invention.

20 FIG. 3 is a sectional assembly view showing a foundation container capable of easily preventing gel-type content from remaining according to an embodiment of the present invention.

FIG. 4 is a view showing a state that a container cover is
25 separated from the foundation container capable of easily

preventing gel-type content from remaining according to an embodiment of the present invention.

FIG. 5 is a sectional assembly view showing a foundation container capable of easily preventing gel-type content from remaining according to another embodiment of the present invention.

FIG. 6 is a perspective view showing a state that a container cover of the foundation container capable of easily preventing gel-type content from remaining according to another embodiment of the present invention is opened.

FIG. 7 is an exploded perspective view showing a foundation container capable of easily preventing gel-type content from remaining according to still another embodiment of the present invention.

FIG. 8 is a view showing a state that a content container is coupled to a container body of a foundation container capable of easily preventing gel-type content from remaining according to still another embodiment of the present invention.

FIG. 9 is a view showing a state that a content container is coupled to a container body of a foundation container capable of easily preventing gel-type content from remaining according to still another embodiment of the present invention.

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【Best Mode】

【Mode for Invention】

A foundation container capable of easily preventing gel-type content from remaining according to an embodiment of the present invention will be described with reference to accompanying drawings as follows.

FIG. 1 is a perspective view showing a foundation container capable of easily preventing gel-type content from remaining according to an embodiment of the present invention. FIG. 2 is an exploded perspective view showing one example of a foundation container capable of easily preventing gel-type content from remaining according to an embodiment of the present invention. FIG. 3 is a sectional assembly view showing a foundation container capable of easily preventing gel-type content from remaining according to an embodiment of the present invention. FIG. 4 is a view showing a state that a container cover is separated from the foundation container capable of easily preventing gel-type content from remaining according to an embodiment of the present invention. FIG. 5 is a sectional assembly view showing a foundation container capable of easily preventing gel-type content from remaining according to another embodiment of the present invention. FIG. 6 is a perspective view showing a state that a container cover of the foundation container capable of easily preventing gel-type content from

remaining according to another embodiment of the present invention is opened. FIG. 7 is an exploded perspective view showing a foundation container capable of easily preventing gel-type content from remaining according to still another embodiment of the present invention. FIG. 8 is a view showing a state that a content container is coupled to a container body of a foundation container capable of easily preventing gel-type content from remaining according to still another embodiment of the present invention. FIG. 9 is a view showing a state that a content container is coupled to a container body of a foundation container capable of easily preventing gel-type content from remaining according to still another embodiment of the present invention.

The foundation container according to an embodiment of the present invention includes a content container 10, an impregnation member 20 contained in the content container 10, a coupling ring 30 coupled to an upper end of the content container 10, and a container cover 40 coupled to an outer periphery surface of an upper end of the content container 10.

The content container 10 is provided on the outer periphery surface of the upper end thereof with a coupling protrusion 11, on an inner periphery surface of the upper end thereof with a coupling ring groove 12, and at an inside thereof with a bottom surface 13.

The impregnation member 20 is contained in the content container 10.

The coupling protrusion 11 is formed on the outer periphery surface of the upper end of the content container 10 such that the coupling protrusion 11 is coupled to the container cover 30 to seal the content container 10.

The coupling ring groove 12 is formed on the inner periphery surface of the upper end of the content container 10 such that the coupling ring groove 12 prevents the impregnation member 20 contained in the content container 10 from being separated from the content container 10.

The bottom surface 13 is concavely formed such that the contents gather on a central part of the concave bottom surface 13.

The impregnation 20 is contained in the content container 10 and has a convex lower part corresponding to the concave bottom surface 13 of the content container 10.

In addition, as shown in FIG. 5, according to another embodiment of the present invention, the impregnation member 20 may be provided on a lower end thereof with a concave groove to form a content storage space 21.

Since the lower part of the impregnation member 20 is convex, the gel-type contents impregnated into the impregnation member 20 gather in the content storage space 21 due to the gravity after a time is elapsed since the

foundation container according to the present invention is used.

In this case, when a user presses the impregnation member 20 with a puff, the contents gathered in the content storage space 21 transfers to the impregnation member 20 due to the pressure by the user, so that the contents are concentrated to the central part of the impregnation member 20.

The impregnation member (70) may include at least one selected from the group consisting of butadiene rubber, styrene butadiene rubber, natural rubber, wet urethane, dry urethane, polyether, polyester, polyvinyl chloride, polyethylene, ethylene vinyl acetate, latex, silicon, styrene isoprene styrene, styrene ethylene butylene styrene, polyvinyl alcohol, silicone agent elastomer, nitrile rubber, butyl rubber and neoprene.

The coupling ring 30 is coupled to the inner periphery surface of the upper end of the content container 10 and is provided with a push ring sill 31 and a coupling ring protrusion 32.

The coupling ring 30 is coupled to the content container 10 such that the impregnation member 20 contained in the content container 10 is prevented from be separated from the content container 10.

The push ring sill 31 is formed on an upper surface of the coupling ring 30 to press the impregnation member 20 such

that the impregnation member 20 is prevented from moving or being separated from the content container 10.

The coupling ring protrusion 32 is formed on a side outer periphery surface of the coupling ring 30 such that the
5 coupling ring protrusion 32 is coupled to the coupling ring groove 12 of the content container 10 to fix the coupling ring 30.

The container cover 40 is provided at the inside thereof with a coupling groove 41 coupled to the coupling protrusion
10 of the content container 10 such that the container cover 40 seals the content container 10.

The content container 10 of the foundation container capable of easily preventing gel-state contents from remaining according to the present invention may be coupled
15 to the container cover 40 and may be coupled to the foundation container including a container body 50 and the body cover 20 hinge-coupled to the container body 50 to be opened or closed as shown in FIGS. 6 to 9.

As shown in FIGS. 6 to 9, still another embodiment of the
20 present invention will be described.

A foundation container capable of easily preventing gel-type content from remaining according to still another embodiment of the present invention includes a container body 50, a body cover 60 hinge-coupled to the container body 50,
25 an inner container 70 installed in the container body 50, an

inner container cover 80 coupled to the inner container 70, a content container 10 coupled to the inner container 70, an impregnation member 20 contained in the content container 10, and a coupling ring 30 coupled to an upper end of the content
5 container 10.

The container body 50 includes a push button 51 provided on one side surface thereof with a locking sill 52 and a hinge formed on a part facing the push button such that the container body 50 is hinge-coupled to the body cover 60.

10 The inner container 70 is installed in the container body 50. The inner container 70 may be integrated with the container body 50.

The locking sill 52 formed on the push button 51 may be easily drawn back by a pushing operation of a user such that
15 the push button 51 may be separated from the locking protrusion 62 of the body cover 60.

The body cover 60 which covers the upper part of the container body 50 is hinge-coupled to the container body 50 to open or close the container body 50.

20 The locking protrusion 62 which is formed at one side of the body cover 60 corresponds to the locking sill 52 to have a protrusion shape.

In addition, a mirror 61 may be provided inside the body cover 60 to enable a user to easily wear makeup with the
25 contents.

A sealing groove 71 is formed on an upper end of the inner container 70 and a coupling groove 72 is formed on a lower end of an inner periphery surface of the inner container 70.

In addition, a hinge bracket 73 and a hinge pin 74 are
5 formed on the inner container 80 such that the inner container 70 is coupled to the inner container cover 80.

The inner container 70 may be formed to be integrated with or separated from the container body 50.

In the embodiment, the inner container 70 separated from
10 the container body 50 will be mainly described.

A sealing piece 82 of the inner container cover 80 is inserted into the sealing groove 71 which is formed on the upper end of the inner container 70 such that the sealing of the content container 10 is enhanced.

15 The coupling groove 72 is coupled to the content container 10 to allow the content container 10 to be fixedly coupled to the inner container 70.

The hinge bracket 73 is formed on the side surface of the inner container 70 such that the hinge bracket 73 is hinge-
20 coupled to a container cover 80 with a hinge pin 74.

A hinge protrusion 83 is formed on one side of the inner container cover 80 such that the inner container cover 80 is hinge coupled to the inner container 70.

In addition, a puff keeping space 84 for keeping a puff
25 (not shown) as a makeup tool is formed on an upper surface of

the inner container cover 80.

A hinge protrusion 83 formed at one side of the inner container cover 80 is fitted into the hinge bracket 73 of the inner container 70 so that the hinge protrusion 83 is fixed
5 by the hinge pin 74.

The sealing piece 82 formed on a lower end of the inner container cover 80 is inserted into the sealing groove 71 of the inner container 70 such that the sealing of the content container 10 is enhanced.

10 An opening/closing handle 81 is formed on one side surface of the inner container cover 80 to easily open or close the inner container cover 80.

The content container 10 is coupled to an inside of the inner container 70 and the coupling protrusion 11 is formed
15 on an outer periphery surface of an upper end of the content container 10. In addition, a coupling ring groove 12 is formed on an inner periphery surface of the upper end of the content container 10.

The content container 10 contains the impregnation member
20 20 therein.

The coupling protrusion 11 is formed on the outer periphery surface of the upper end of the content container 10 and is coupled to the coupling groove of the inner container 70 such that the content container 10 may be
25 fixedly installed to the inner container 70.

Hereinafter, a method of assembling a foundation container capable of easily preventing gel-type contents from remaining according to an embodiment and a state of using it will be described in detail as follows.

5 According to an embodiment of the present invention, the impregnation member 20, into which contents are impregnated and which is convex downward, is installed in the content container 10 having the concave bottom surface 13. Then, the coupling ring protrusion 32 of the coupling ring 30 is fitted
10 into the coupling ring groove 12 on the upper end of the content container 10 so that the impregnation member 20 is prevented from being separated from the content container 10. In addition, as shown in FIG. 3, the coupling groove 41 of the container cover 40 is coupled to the coupling protrusion
15 11 formed on the outer periphery surface of the upper end of the content container 10. Thus, the assembly of the foundation container capable of easily preventing gel-type contents from remaining is completed.

To use the foundation container capable of easily
20 preventing gel-type content from remaining, which is assembled as described above, as shown in FIG. 4, the container cover 40 is separated from the content container 10.

Thereafter, the impregnation member 20 is pressed with the
25 puff such that the contents impregnated into the impregnation

member 20 are taken to apply makeup.

As the foundation container capable of easily preventing gel-type content from remaining according to the present invention is used, since the bottom surface 13 of the content
5 container 10 has a concave shape, the content remaining on the lower part of the impregnation member 20 is gathered at the central part of the bottom surface 13 due to the gravity.

When the impregnation member 20 is pressed with a puff, the contents gathered on the central part of the bottom
10 surface 13 transfers to the impregnation member 20 such that the contents may be fully used up.

In addition, according to still another embodiment of the present invention, the foundation container includes a container body 50 and a body cover 60 hinge-coupled to the
15 container body 50. The inner container 70 is coupled to an inside of the container body 50. The inner container 70 is hinge-coupled to the inner container cover 80.

Thereafter, the impregnation member 20 is contained in the content container 10 and the content container 10 is
20 assembled with the coupling ring 30, and then, as shown in FIG. 8, the content container 10 is fitted from the bottom of the container body 50, so that the assembly of the foundation container capable of easily preventing gel-type content from remaining according to the present invention is completed.

25 To use the foundation container capable of easily

preventing gel-type content from remaining, which is assembled as described above, the impregnation member 20 is pressed with the puff such that the contents impregnated into the impregnation member 20 are taken to apply makeup.

5 As described above, the foundation container capable of easily preventing gel-type content from remaining described in this disclosure is an illustrative purpose only, and the present invention is not limited thereto. Thus, it should be understood that numerous other modifications and embodiments
10 can be devised by those skilled in the art within the spirit and scope of the present invention and they will fall within the scope of the present invention.

[Description of Reference Numeral]

15 10: Content container
11: Coupling protrusion
12: Coupling ring groove
13: Bottom surface
20: Impregnation member
20 21: Content storage space
30: Coupling ring
32: Coupling ring protrusion
40: Container cover
41: Coupling groove
25 50: Container body

- 51: Push button
- 52: Locking sill
- 60: Body cover
- 61: Mirror
- 5 62: Locking protrusion
- 70: Inner container
- 71: Sealing groove
- 72: Coupling groove
- 73: Hinge bracket
- 10 74: Hinge pin
- 80: Inner container cover
- 81: Opening/closing handle
- 82: Sealing piece
- 83: Hinge protrusion
- 15 84: Puff keeping space

【CLAIMS】

【Claim 1】

A foundation container capable of easily preventing gel-type contents from remaining, the foundation container
5 comprising:

a content container (10) having a concave bottom surface (13);

an impregnation member (20) contained in the content container (10) and concave groove formed at a lower end
10 thereof and having a content storage space (21); and

a container cover (40) coupled to an outer periphery surface of an upper end of the content container (10).

【Claim 2】

15 A foundation container capable of easily preventing gel-type contents from remaining and including a container body (50) and a body cover (60) hinge-coupled to the container body (50) to be opened or closed, the foundation container comprising:

20 an inner container (70) installed in the container body (50);

an inner container cover (80) coupled to the inner container (70);

a content container (10) coupled to an inside of the inner
25 container (70) and formed with a concave bottom surface (13);

and

an impregnation member (20) contained in the content container (10) and having a convex lower part.

5 **【Claim 3】**

The foundation container of claim 1 or 2, further comprising a coupling ring (30) coupled to an upper end of the content container (10).

10 **【Claim 4】**

The foundation container of claim 1 or 2, wherein the content container (10) is provided on an outer periphery surface of an upper end thereof with a coupling protrusion (11) and provided on an inner periphery surface of the upper
15 end thereof with a coupling ring groove (12).

【Claim 5】

The foundation container of claim 1 or 2, wherein the impregnation member (70) includes at least one selected from
20 the group consisting of butadiene rubber, styrene butadiene rubber, natural rubber, wet urethane, dry urethane, polyether, polyester, polyvinyl chloride, polyethylene, ethylene vinyl acetate, latex, silicon, styrene isoprene styrene, styrene ethylene butylene styrene, polyvinyl
25 alcohol, silicone agent elastomer, nitrile rubber, butyl

rubber and neoprene.

【Claim 6】

The foundation container of claim 3, wherein the coupling
5 ring (30) is provided with a push ring sill (31) and a
coupling ring protrusion (32).

【Claim7】

The foundation container of claim 2, wherein the inner
10 container (70) is provided on an upper end thereof with a
sealing groove (71).

【Claim 8】

The foundation container of claim 2, wherein the inner
15 container (70) is provided on an inner periphery surface of
an upper end thereof with a coupling groove (72).

【Claim 9】

The foundation container of claim 2, wherein the inner
20 container cover (80) is provided at a lower side thereof with
a sealing piece (82).