CLAIMS

1. A refilling method of discharging a liquid material stored in a refill container into a self-standing main container body of a main container through a discharge nozzle of the refill container, the main container including: the self-standing main container body for storing a liquid material therein, the main container body having an upwardly-directed mouth; and a cap unit for closing the mouth in such a manner that the mouth can be opened and closed at will, the method comprising: using as the refill container a self-standing refill container in which the discharge nozzle is provided at a top portion of a refill container body and an opening surface of the discharge nozzle defines an angled discharge port inclined with respect to a central axis of the discharge nozzle; and inserting the discharge nozzle of the refill container into the mouth of the main container body, and causing the main container body and the refill container body to stand by themselves with the refill container body being inverted onto the main container body.

2. A refill container used in the refilling method according to claim 1, wherein a discharge nozzle forming projection obtained by closing a tip portion of a tubular body by an easy-opening portion is provided at a top

portion of the self-standing refill container body, and

the easy-opening portion includes:

an annular tearing portion formed on the tubular body in such a manner that the angled discharge port is opened at the tip portion of the closed tubular body; and a point-of-effort portion connected to a surface on which the annular tearing portion is formed or a portion closer to the tip portion than the annular tearing portion.

3. The refill container according to claim 2, wherein a ring-shaped finger hooked portion is provided on a side of a side surface of the tubular body as the point-of-effort portion.

4. The refill container according to claim 3, wherein the ring-shaped finger hooked portion is a pulled portion connected to a removing portion surrounded by the annular tearing portion on a tubular body tip portion side edge face with a connecting portion.

5. The refill container according to claim 3, wherein the tubular body rises from a cap of the refill container body, and a lower end of the ring-shaped finger hooked portion is connected to the cap in such a manner that the lower end can be separated off therefrom.

6. The refill container according to claim 3, wherein the tubular body rises from a cap of the refill container body, and the ring-shaped finger hooked portion is connected to a side surface of the tubular body in such a manner that the ring-shaped finger hooked portion can be separated off therefrom.

7. The refill container according to claim 2, wherein as the point-of-effort portion a knob portion rises on a tubular body tip portion side edge face surrounded by the annular tearing portion and formed by a plate-like member.

8. The refill container according to claim 7, wherein a cross-section of the plate-like member has an S-shape in the knob portion.

9. The refill container according to claim 2, wherein an opening tab extending from a tubular body tip portion side edge face surrounded by an annular tearing portion is provided as a point-of-effort portion.

10. An easy-opening portion for forming an angled discharge port whose opening surface is inclined with respect to a central axis of a discharge nozzle upon removal of a tip portion of the discharge nozzle being

closed, the easy-opening portion comprising at the tip portion of the closed discharge nozzle: an annular tearing portion for opening the angled discharge nozzle; a removing portion surrounded by the annular tearing portion; a connecting portion rising from an end of the removing portion; and a pulled portion extending from the connecting portion to a side of a side surface of the discharge nozzle, wherein, a thickness between a pulled portion side surface and an opposite surface thereof in a removing portion side end of the connecting portion is greater than or equal to a thickness between a pulled portion side surface and an opposite surface thereof in a pulled portion side end of the connecting portion.

11. The easy-opening portion according to claim 10, wherein the thickness between the pulled portion side surface and the opposite surface thereof in the removing portion side end of the connecting portion is greater than the thickness between the pulled portion side surface and the opposite surface thereof in the pulled portion side end of the connecting portion.

12. The easy-opening portion according to claim 10, wherein a protrusion protruding toward a center side of the removing portion is provided at the removing portion side end of the connecting portion.

13. The easy-opening portion according to claim 10, wherein the thickness between the pulled portion side surface and the opposite surface thereof in the connecting portion is approximately constant over a region extending from the removing portion side end of the connecting portion to the pulled portion side end thereof.

14. The easy-opening portion according to any of claims 10 to 13, wherein the connecting portion rises from an upper end or a lower end of the removing portion.

15. The easy-opening portion according to any of claims 10 to 14, wherein the pulled portion is vertically suspended along the discharge nozzle, and a lower end thereof is connected to the side surface of the discharge nozzle or a base surface from which the discharge nozzle rises in such a manner that the lower end can be separated off therefrom.

16. The easy-opening portion according to any of claims 10 to 15, wherein the closed discharge nozzle is formed on a cap to be attached to a mouth of a container body so as to protrude from the cap.

17. The easy-opening portion according to claim 10,

wherein a thick portion connected to the connecting portion is provided to the removing portion.

18. The easy-opening portion according to claim 17, wherein the thick portion of the removing portion has a design indicating an opening direction.

19. A main container to be used in the refilling method according to claim 1, comprising: a self-standing main container body for storing a liquid material therein, the main container body having an upwardly-directed mouth; and a cap unit to close the mouth in such a manner that the mouth can be opened and closed at will,

the cap unit including

an inner cap to be detachably screwed with the mouth of the main container body and having a small opening for liquid discharge, and

an outer cap to be screwed with the mouth of the main container body at the outside of the inner cap with the inner cap covering the mouth of the main container body.

20. A main container to be used in the refilling method according to claim 1, comprising: a self-standing main container body for storing a liquid material therein, the main container body having an upwardly-directed mouth;

and a cap unit for closing the mouth in such a manner that the mouth can be opened and closed at will,

the cap unit including

an annular member attached to the mouth of the main container body,

an inner cap connected to the annular member with a hinge, covering the mouth of the main container body in such a manner that the mouth can be opened and closed at will, and having a small opening for liquid discharge, and

an outer cap to be screwed with the mouth of the main container body at the outside of the inner cap with the inner cap covering the mouth of the main container body.

CLAIMS

1. A refilling method of discharging a liquid material stored in a refill container into a self-standing main container body of a main container through a discharge nozzle of the refill container, the main container including: the self-standing main container body for storing a liquid material therein, the main container body having an upwardly-directed mouth; and a cap unit for closing the mouth in such a manner that the mouth can be opened and closed at will, the method comprising: using as the refill container a self-standing refill container in which the discharge nozzle is provided at a top portion of a refill container body and an opening surface of the discharge nozzle defines an angled discharge port inclined with respect to a central axis of the discharge nozzle; and inserting the discharge nozzle of the refill container into the mouth of the main container body, and causing the main container body and the refill container body to stand by themselves with the refill container body being inverted onto the main container body.