CLAIMS

1. A lid for a liquid material storage container including a storage cylinder that has a large-diameter opening at an upper end and a small-diameter opening at a lower end, and a flange extending in opposite lateral directions from an upper end portion of the storage cylinder, the lid closing the large-diameter opening, the lid comprising:

an upper plate portion covering the flange and the large-diameter opening;

a plug portion extending downward from a central region of the upper plate portion and plugging the large-diameter opening of the storage cylinder;

a pair of first lateral portions coming into contact with lateral surfaces of a pair of short sides of the flange when the lid is closed;

a second lateral portion formed in one of the first lateral portions;

a pair of claw portions extending from the pair of first lateral portions toward the plug portion and coming into contact with lower surfaces of the pair of short sides of the flange when the lid is closed; and

a push-up operating portion formed in at least one of the pair of first lateral portions,

wherein a length of each of the claw portions is shorter than a distance between the claw portion and the upper plate portion, and

wherein the second lateral portion is constituted by a pair of plate-like members extending from both short sides of the first lateral portions toward the plug portion and coming into contact with lateral surfaces of a pair of long sides of the flange.

2. The lid for the liquid material storage container according to Claim 1, wherein at least the upper plate portion, the pair of first lateral portions, the second lateral portion, the pair of claw portions, and the push-up operating portion are integrally formed of a synthetic resin material.

3. The lid for the liquid material storage container according to Claim 1 or 2, wherein the push-up operating portion is constituted by a plate-like member extending outward from the first lateral portion on the side where the second lateral portion is not provided.

4. The lid for the liquid material storage container according to any one of Claims 1 to 3, further comprising a second lateral portions provided at the first lateral portions on the side where the second lateral portion is not provided,

wherein the second lateral portions are each constituted by a pair of plate-like members extending from both short sides of one of the pair of first lateral portions toward the plug portion and coming into contact with lateral surfaces of a pair of long sides of the flange.

5. The lid for the liquid material storage container according to Claim 4, wherein the push-up operating portion is constituted by a plate-like member extending outward from the first lateral portion and is provided in association with each of the pair of first lateral portions.

6. The lid for the liquid material storage container according to any one of Claims 1 to 5, wherein the second lateral portion or the pair of second lateral portions are formed in a length allowing the whole of the plug portion to be seen when viewed from front.

7. The lid for the liquid material storage container according to any one of Claims 1 to 6, wherein the pair of claw portions are engaged with the pair of short sides of the flange when the upper plate portion is pushed down in a state in which one of the claw portions catches one of the short sides of the flange and the plug portion is inserted into the large-diameter opening, and

engagement between the claw portion on the side where the push-up operating portion is provided and the short side of the flange is released

when the push-up operating portion is pushed up from below by a finger.

8. The lid for the liquid material storage container according to any one of Claims 1 to 7, wherein the length of the claw portion is shorter than a thickness of the claw portion.

9. The lid for the liquid material storage container according to Claim 7 or 8, wherein the length of the claw portion is 2 mm or shorter.

10. The lid for the liquid material storage container according to any one of Claims 1 to 9, further comprising a seal portion provided on a lateral peripheral surface of the plug portion at a position above a lower end thereof.

11. The lid for the liquid material storage container according to any one of Claims 1 to 10, wherein the upper plate portion includes a thin film portion that is broken when an inner pressure of the storage cylinder rises, thus releasing the inner pressure.

12. The lid for the liquid material storage container according to any one of Claims 1 to 11, wherein the plug portion is constituted by a tubular member having an opening at a lower end.

13. The lid for the liquid material storage container according to any one of Claims 1 to 12, wherein engagement between the claw portion on the side where the push-up operating portion is provided and the short side of the flange is released when, in a state of grasping the storage cylinder by one hand, a user pushes up the push-up operating portion from below by the thumb of the hand.

14. A liquid material storage container to which the lid for the liquid

material storage container according to Claim 10 is fitted, the liquid material storage container comprising:

a storage cylinder having a large-diameter opening at an upper end and a small-diameter opening at a lower end, and a flange extending in opposite lateral directions from an upper end portion of the storage cylinder,

wherein an expanding portion is formed in an inner peripheral surface of the large-diameter opening.

15. A lid-equipped liquid material storage container comprising:

a storage cylinder having a large-diameter opening at an upper end and a small-diameter opening at a lower end,

a flange extending in opposite lateral directions from an upper end portion of the storage cylinder, and

the lid for the liquid material storage container according to Claim 10,

wherein an expanding portion is formed in an inner peripheral surface of the large-diameter opening.

16. A lid-equipped liquid material storage container comprising:

a storage cylinder having a large-diameter opening at an upper end and a small-diameter opening at a lower end,

a flange extending in opposite lateral directions from an upper end portion of the storage cylinder, and

the lid for the liquid material storage container according to Claim 11,

wherein an expanding portion is formed in an inner peripheral surface of the large-diameter opening, and

the plug portion is formed in such a length that, when an inner pressure of the storage cylinder rises and the upper plate portion is elastically deformed, the inner pressure is released through the expanding portion before the upper plate portion is broken.

17. The lid-equipped liquid material storage container according to Claim

15 or 16, wherein a height of the plug portion is 1.2 to 2 times a height of the first lateral portion.

18. The lid-equipped liquid material storage container according to any one of Claims 15 to 17, wherein a shape of the upper plate portion is similar to a shape of the flange.

19. The lid-equipped liquid material storage container according to any one of Claims 15 to 18, wherein a distance between the claw portion and the upper plate portion is substantially equal to a thickness of the flange.