CLAIMS

1. A beverage discharge cock to which beverage is supplied from a beverage supply source, comprising:

a valve main body including a hole and a valve seat arranged in an end portion of the hole;

a valve rod slidably arranged in the hole, and including a valve body that forms a first valve together with the valve seat of the valve main body, and a first seal; and

a movable part slidably arranged in the hole, and including a second seal facing the first seal, the second seal forming a second valve together with the first seal of the valve rod,

wherein the valve rod includes a first channel extending through the valve body, and one or a plurality of second channels extending from the first seal to the first channel, and

the second channel includes a first portion, and a second portion arranged between the first seal and the first portion, and a diameter of the second portion is smaller than a diameter of the first portion.

2. The beverage discharge cock according to claim 1, wherein a length of the second portion is within a range from 0.5 to 2.5 mm.

3. The beverage discharge cock according to claim 1 or 2, wherein a diameter of the second portion is within a range from 0.5 to 0.8 mm.

4. The beverage discharge cock according to claim 1 or 2, wherein the diameter of the second portion is within a range from 0.6 to 0.8 mm.

5. The beverage discharge cock according to any one of claims 1 to 3, wherein the number of the second channels is one of 1, 2, 3, and 4.

6. The beverage discharge cock according to claim 1, wherein the number of the second channels is 2, a length of the second portion is within a range from

0.5 to 2.5 mm, and a diameter of the second portion is within a range from 0.6 to 0.8 mm.

7. The beverage discharge cock according to any one of claims 1 to 6, wherein a length of the second channel is within a range from 5 to 8 mm.

8. The beverage discharge cock according to any one of claims 1 to 7, wherein a diameter of the first portion is within a range from 1.5 to 2.5 mm.

9. The beverage discharge cock according to any one of claims 1 to 8, wherein an axial direction of the second channel is a direction intersecting an axial direction of the first channel.

10. The beverage discharge cock according to claim 9, wherein an angle at which the axial direction of the second channel intersects the axial direction of the first channel is within a range from 20° to 60°.

11. The beverage discharge cock according to any one of claims 1 to 10, wherein the axial direction of the second portion is equal to the axial direction of the first portion.

12. A valve rod to be incorporated into a beverage discharge cock to which beverage is supplied from a beverage supply source, wherein

the valve rod includes a valve body and a seal,

the valve rod includes a first channel extending through the valve body, and one or a plurality of second channels extending from the seal to the first channel, and

the second channel includes a first portion, and a second portion arranged between the seal and the first portion, and a diameter of the second portion is smaller than a diameter of the first portion.

13. The valve rod according to claim 12, wherein a length of the second portion is within a range from 0.5 to 2.5 mm.

14. The valve rod according to claim 12 or 13, wherein a diameter of the

second portion is within a range from 0.5 to 0.8 mm.

15. The valve rod according to claim 12 or 13, wherein the diameter of the second portion is within a range from 0.6 to 0.8 mm.

16. The valve rod according to any one of claims 12 to 15, wherein the number of the second channels is one of 1, 2, 3, and 4.

17. The valve rod according to claim 12, wherein the number of the second channels is 2, a length of the second portion is within a range from 0.5 to 2.5 mm, and a diameter of the second portion is within a range from 0.6 to 0.8 mm.

18. The valve rod according to any one of claims 12 to 17, wherein a length of the second channel is within a range from 5 to 8 mm.

19. The valve rod according to any one of claims 12 to 18, wherein a diameter of the first portion is within a range from 1.5 to 2.5 mm.

20. The valve rod according to any one of claims 12 to 19, wherein an axial direction of the second channel is a direction intersecting an axial direction of the first channel.

21. The valve rod according to claim 20, wherein an angle at which the axial direction of the second channel intersects the axial direction of the first channel is within a range from 20° to 60°.

22. The valve rod according to any one of claims 12 to 21, wherein the axial direction of the second portion is equal to the axial direction of the first portion.

23. A beverage dispenser comprising a beverage discharge cock as defined in any one of claims 1 to 11.