

[TITLE OF DOCUMENT] BALL TAP

[ABSTRACT]

[Object] To discharge, along with drainage, all of the foreign matter mixed in water to be supplied regardless of whether the water to be supplied is clean water or recycled wastewater without using a built-in strainer.

[Solution Means] In a ball tap 1, a valving element 3 includes a valve part 10 provided with a contact projection part 9 that can come into close contact with a valve seat 7 when the valving element 3 is closed, and a flange part 11 having a circular ring shape in plan view which continues downward from the rim of the valve part 10 and is slidable like a piston in the secondary side flow passage 5, and the left and right half circumferences of the upper surface of the flange part 11 have bilaterally symmetrical shapes curved downward in arch shapes, and the left and right lower limit portions of the upper surface of the flange part are set so as to be positioned at the same heights as those of the lower end edges of drainage ports 8 formed to expand on the left and right of a secondary side flow passage 5 or slightly higher than the lower end edges when the valving element 3 is fully opened.

[Selected Drawing] Fig. 4