ABSTRACT

DELIVERY DEVICE, DELIVERY CONTAINER, AND EYE DROPPER PROVIDED WITH THE SAME

The present invention has an object to provide a delivery device that is capable of preventing a content liquid from flowing back and achieving aseptic delivery of liquid drop (dripping), and provide a delivery container, and an eye dropper that can eliminate or reduce the use of an antiseptic agent and achieve smooth delivery of the liquid. The delivery device 10 of the present invention comprises the outlet portion 11 of a substantially bottomed tubular shape having the outlet orifice 12, the valve element support portion 13 of substantially cylindrical shape that is secured in the outlet portion 11 with a distal end 13a thereof exposed through the outlet orifice 12 to the outside of the outlet portion 11, and a valve element 14 that is secured in the outlet portion 11 with a distal end 14a thereof exposed through the outlet orifice 12 to the outside of the outlet portion 11. The distal end 14a of the valve element makes contact with the valve element support portion 13 so as to close the outlet orifice 12 when there is no liquid pressure applied to the distal end portion from the upstream U, and deforms so as to form a flow passage between the distal end portion and the valve element support portion 13 when subjected to liquid pressure applied from the upstream U. The delivery container 30 of the present invention has the

delivery device 10 installed at the mouth 31a of the squeeze bottle 31.

Figure 3C