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Liquid-Pourers



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5 This invention relates to liquid-pourers.

According to the present invention a liquid-pourer for attachment to the neck of a bottle, comprises a spout-portion having a rear end for coupling to the bottle-neck and two elongate passageways extending parallel to one
10 between the rear and front ends of the spout-portion to open into and from the bottle, a first passageway for discharging liquid in pouring from the bottle and the second for admitting air to the bottle when the second
15 passageway is located above the first during pouring, and an elongate handle-portion attached to the spout-portion to extend both upwardly and rearwardly to overlie the bottle when the second passageway is above the first during pouring as aforesaid.

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The spout-portion, which may have a spigot at its rear end for entry into the bottle-neck, may be generally cylindrical. in the latter case, the two passageways may be of complementary segmental cross-section and extend
25 parallel to one another lengthwise of the spout-portion.

The liquid-pourer according to the invention may include means for screw-thread attachment of the spout-portion to the neck of the bottle. Alternatively, it may include to
30 the same end, a resilient clip-element for snap engagement under a portion of the neck of the bottle.

Two forms of liquid-pourer according to the present invention will now be described, by way of example, with
35 reference to the accompanying drawings, in which:

Figure 1 is a perspective view from the front of a first of the two liquid-pourers according to the invention;

Figure 2 is a sectional side elevation to an enlarged scale, of part of the liquid-pourer of Figure 1;

Figure 3 shows the liquid-pourer of Figure 1 attached to a bottle;

Figure 4 is a sectional side-elevation of the second liquid-pourer according to the invention; and

Figure 5 is illustrative of attachment of the liquid-pourer of Figure 4 to a bottle.

Referring to Figures 1 and 2, the first liquid-pourer is of moulded plastics and has a substantially cylindrical spout-portion 1 that is for coupling to the screw-threaded neck of a bottle. A handle-portion 2 for use in holding and guiding the pourer during use, is moulded integrally with the spout-portion 1 and extends both upwardly and rearwardly from a head-part 3 of it. Two passageways 4 and 5 of complementary segmental cross-section extend parallel to one another from front to rear of the spout-portion 1, the passageway 4 being for discharge of liquid from the bottle during pouring, whereas the passageway 5 is for admitting air to facilitate smoothness of that discharge. In this regard, the passageway 5 is located closer to the handle-portion 2 so as to be above the passageway 4 when the handle-portion 2 is held during pouring.

The handle-portion 2 extends upwardly and rearwardly from the portion 1 in a generous curve to terminate in an integral ring 6. The ring 6 is for use in retaining, by push fit, the cap of the bottle to which the pourer is attached. In this regard, once the cap of the bottle has

been removed and located in the ring 6, the spout-portion 1 is located on the bottle. More particularly, a rearwardly-projecting spigot 7 of the spout-portion 1 is entered in the neck of the bottle to bring an internally-threaded collar 8 of the head-part 3 into engagement with the external screw-thread of the bottle-neck; the collar 8 is moulded separately from the rest of the pourer and is snapped, fixedly and water-tightly, onto the head-part 3. The pourer is then screwed onto the bottle-neck to hold it fast to the bottle as illustrated in Figure 3.

With the pourer screwed to a cylindrical (2 litre) bottle 10 as illustrated in Figure 3, the handle-portion 2 extends outwardly from the bottle-neck 11 and down alongside, but spaced from, the cylindrical bottle-wall 12. The configuration of the handle-portion 2 is convenient for holding with one hand, whether carrying the bottle 10 upright or inclined away from the vertical for pouring. Whatever orientation of the bottle 10 is desired, and whatever its liquid content, there is in general a suitable location on the handle-portion 2 where it can be readily held comfortably by hand, with good balance.

As illustrated in Figures 1 to 3, the spout-portion 1 has a screw-threaded nose 13 that allows, for example, a rose or other spray-producing accessory, to be coupled to the pourer for use during pouring. Moreover, it allows the bottle-cap 14 retained by the ring 6 (Figure 3) to be removed and screwed onto the pourer to cap it and the bottle 10 as one while they remain attached to one another.

The pourer described above with reference to Figures 1 to 3 is attached to the bottle 10 by means of screw-threaded interengagement between the collar 8 and the bottle-neck 11. However, except when the bottle 10 is held vertical,

most of its weight is taken by the spigot 7 entered in the neck 11 so attachment of the pourer to the bottle need not be heavy. An alternative form of the pourer in which attachment is by means of a clip, is illustrated in
5 Figures 4 and 5.

Referring to Figures 4 and 5, the liquid-pourer in this case is moulded as one piece with a clip element 15 attached to a circumferential rim 16 of the spout-portion
10 17. When the spigot 18 of the portion 17 is inserted in a bottle 19, the rim 16 is brought down onto the top of the bottle-neck 20 with the element 15 extending down the outside of the neck 20. The element 15 has a hook-end 21 and a degree of resilience in itself and in its
15 attachment to the rim 16 by which the hook-end 21 snaps under the bottom rim 22 of the neck 20 as the rim 16 comes into abutment with the top of the neck 20, as illustrated in Figure 5. This holds the rim 16 hard on the neck 20 to retain the pourer firmly and water-tightly
20 attached to the bottle 19. Release of the pourer from attachment to the bottle 19 is achieved by pulling a lever-arm 23 of the clip-element 15 upwardly, so as to free the hook-end 21 from the rim 22.

25 The handle-portion 24 in this case is shown without provision for holding the cap of the bottle 19.

The liquid-pourers described above may be readily used for garden watering, and in this respect may be used for
30 economy with a plastics bottle (usually transparent or semi-transparent) which previously contained bottled water or other soft drink and which otherwise would be discarded. Because of the ready availability of bottles of this nature, a number may first be filled with water,
35 and the pourer attached to them in turn as each is emptied. A pourer of the form described above may also be used in the first place for dispensing the bottled-

water or other soft drink for consumption, and indeed such a pourer may be adapted for attachment to the neck of a wine bottle and used for dispensing the wine therefrom.

Claims:

1. A liquid-pourer for attachment to the neck of a bottle, comprising a spout-portion having a rear end for coupling to the bottle-neck and two elongate passageways extending parallel to one between the rear and front ends of the spout-portion to open into and from the bottle, a first passageway for discharging liquid in pouring from the bottle and the second for admitting air to the bottle when the second passageway is located above the first during pouring, and an elongate handle-portion attached to the spout-portion to extend both upwardly and rearwardly to overlie the bottle when the second passageway is above the first during pouring as aforesaid.
2. A liquid-pourer according to Claim 1 wherein the spout portion has a spigot at its rear end, for entry into the bottle-neck.
3. A liquid-pourer according to Claim 1 or Claim 2 wherein the spout-portion is generally cylindrical and the two passageways are of complementary segmental cross-section and extend parallel to one another lengthwise of the spout-portion.
4. A liquid-pourer according to any one of Claims 1 to 3 wherein the spout- and handle-portions are of moulded plastics.
5. A liquid-pourer according to Claim 4 wherein the spout- and handle-portions are moulded integrally with one another.

6. A liquid-pourer according to any one of Claims 1 to 5 including means for screw-thread attachment of the spout-portion to the neck of the bottle.

7. A liquid-pourer according to any one of Claims 1 to 5 including a resilient clip-element for snap engagement under a portion of the neck of the bottle.

8. A liquid-pourer according to any one of Claims 1 to 7 attached to the neck of a bottle for pouring liquid from the bottle.