Sept. 22, 1931. L. D. CRANE 1,824,394

LIQUID DRIPPING DEVICE

Filed March 6, 1929

Fig. 2

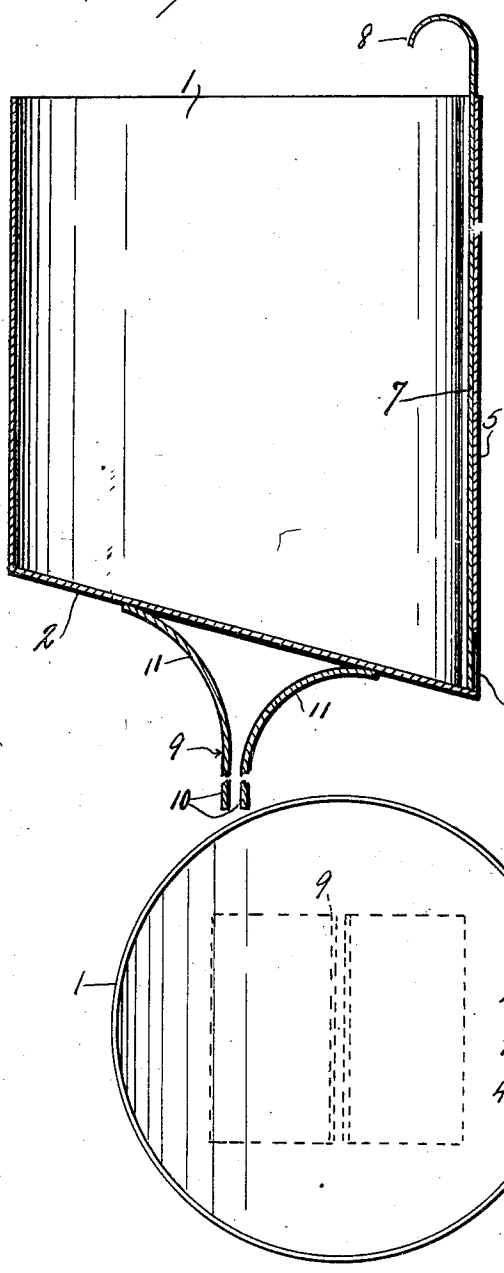


Fig. 1

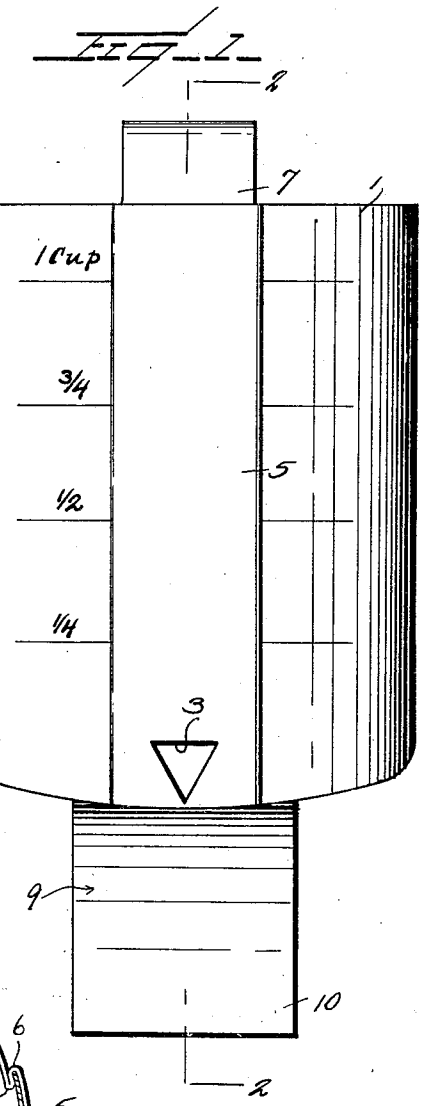


Fig. 3

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LIQUID DRIPPING DEVICE

Application filed March 6, 1929. Serial No. 344,837.

This invention relates to a device designed for the purpose of dispensing a predetermined quantity of liquid or granular material at a regulated speed and pertains particularly to a measuring and dispensing device designed for dripping oil into a mixing bowl while the same is being incorporated with other materials, as for example, for the introduction of oil into mayonnaise while the same is in the course of preparation.

The primary object of the present invention is to provide a measuring cup adapted to be mounted above a mixing bowl and designed particularly for dripping oil at a desired speed into the mixing bowl during the preparation of mayonnaise or other dressings where the ingredients must be introduced in small quantities.

A further object of the invention is to provide a measuring cup of the above described character which can be inexpensively manufactured and which is adapted to be easily controlled by a finger of the user while the mixing operation is taking place.

The invention will be best understood from a consideration of the following detailed description taken in connection with the accompanying drawings forming a part of the present invention with the understanding, however, that the invention is not confined to any strict conformity with the showing of the drawings but may be changed or modified so long as such changes or modifications mark no material departure from the salient features of the invention as expressed in the appended claim.

In the drawing:—

Figure 1 is a view in front elevation of the dripping device embodying this invention;

Figure 2 is a vertical sectional view taken upon the line 2—2 of Figure 1;

Figure 3 is a view in top plan of the device, the slide thereof being in section.

Referring to the drawings in detail, the numeral 1 indicates generally the dispensing receptacle or cup embodying the present invention which may be constructed of any desirable material such as aluminum or the like and is graduated to indicate a quarter, half, and three quarters or full cup measure, as shown.

The bottom 2 of the cup is arranged at an oblique angle with respect to the side wall thereof and the wall adjacent the lowermost point of the bottom has formed therethrough the triangular outlet opening 3, one point of the angle being at the bottom as shown, so that two sides thereof diverge upwardly.

In the formation of the cup that portion of the wall through which the discharge aperture 3 is formed is crimped longitudinally and in two places as indicated at 4, these crimps extending the full length of the cup and in spaced parallel relation as shown, forming the offset shield 5 bordered at each side by a groove 6. As is shown in Figure 1 the discharge opening 3 is formed through the central portion of this shield at the bottom thereof.

Slidably positioned behind the shield 5 with its edges in the grooves 6, is a gate or slide 7, the lower end of which normally rests upon the bottom of the receptacle covering and closing the outlet 3. The upper end of the slide 7 is turned back as indicated at 8 to form a handle designed to facilitate the grasping of the slide so that it may be readily raised to open the discharge outlet.

Secured to the central portion of the bottom of the receptacle is a supporting structure indicated as a whole by the numeral 9, which structure consists of a pair of relatively heavy resilient strips 10, separated or turned outwardly at their upper ends as indicated at 11, and secured in any appropriate manner to the bottom 2.

The lower portions of these strips are in relatively close relation as shown, and are designed to support the receptacle in position over a bowl or other mixing receptacle by gripping the sides of the receptacle when the edge of the wall thereof is inserted between the members 10.

From the foregoing description it will be readily seen that with the dripper embodying this invention after mounting the same upon the side of a mixing bowl one of the fingers may be employed to raise the slide

7 the desired height during the mixing operation so that the contents of the receptacle may flow at the desired rate of speed through the opening 3 into the mixing bowl.

Having thus described my invention, what I claim is:—

A liquid dripping device, comprising a receptacle having a bottom inclined with respect to the side wall and a discharge aperture through the wall at the lowest point of said bottom, a guide channel integrally formed with and extending vertically of the receptacle wall, said aperture being formed through the lower portion of said channel, a sliding gate arranged in said channel and designed to have its lower end extend across and close the aperture, said aperture being of triangular formation with two sides extending in upwardly diverging relation from the bottom of the receptacle, and said slide having the upper end extending above the top of the receptacle and formed to provide a finger hold and a pair of oppositely inclined clamping members secured to said bottom.

In testimony whereof I hereunto affix my signature.

LUELLA D. CRANE.