No. 648,215. Patented Apr. 24, 1900.

W. A. McCOY & T. J. MARSHALL.

BUBBLE BLOWING DEVICE.

(Application filed Sept. 25, 1899.)

(No Model.)

Fig. 1

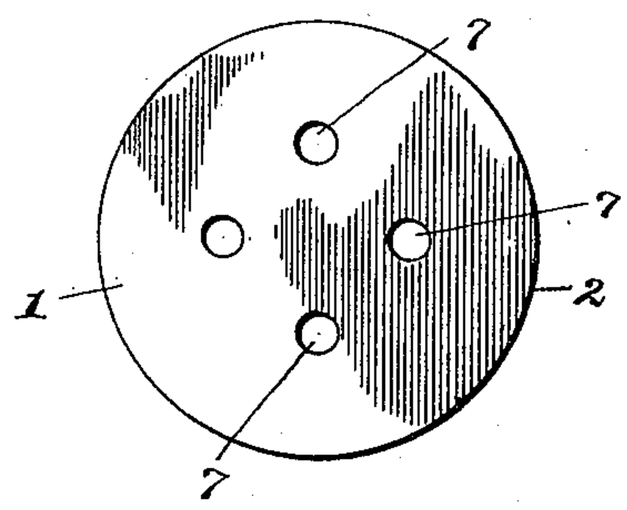
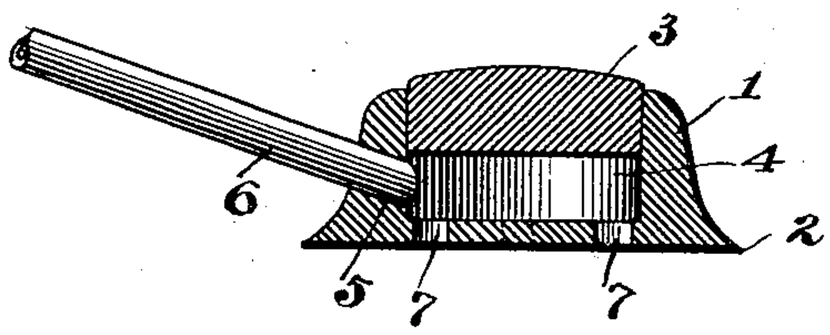


Fig. 2



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WILBER A. McCOY AND THOMAS J. MARSHALL, OF COLUMBUS, OHIO.

BUBBLE-BLOWING DEVICE.

SPECIFICATION forming part of Letters Patent No. 648,215, dated April 24, 1900.

Application filed September 25, 1899. Serial No. 731,525. (No model.)

To all whom it may concern:

Be it known that we, WILBER A. McCOY and THOMAS J. MARSHALL, citizens of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Bubble-Blowing Devices, of which the following is a specification.

Our invention relates to the improvement of soap-bubble devices; and the objects of our invention are to provide an improved soap-bubble-making device of superior construction and arrangement of parts, to so construct the same as to facilitate the production of large numbers or clusters of bubbles from one blowing, and to produce other improvements in details of construction and arrangement of parts, which will be more fully pointed out hereinafter. These objects we accomplish in the manner illustrated in the accompanying drawings, in which—

Figure 1 is an under side view, and Fig. 2 is a central vertical section.

Similar numerals refer to similar parts throughout both views.

In carrying out our invention we employ a cup-body 1, the base of the latter being made flaring or bell-shaped, as indicated, this flaring form resulting in the production of a comparatively-sharp circumferential base edge, such as is indicated at 2. The central recess or depression of the cup-body 1 has its upper end portion adapted to be closed by a tight-fitting plug, which is indicated at 3, thus forming the internal chamber 4. Leading outward from this chamber 4 is a port or socket 5, with which is designed to be connected one end of a hollow stem or pipe 6. In the bottom or base of the body 1 we provide one or more vertical openings, which are indicated at 7, the latter communicating with the internal chamber 4.

The bubble-making device above described may be produced of wood, rubber, or other suitable material or combinations of materials.

In utilizing our invention the lower portion of the body 1 is dipped into soapsuds in the usual manner of dipping a bubble-blowing-pipe bowl. The suds thus taken up through the openings 7 are by blowing through the stem 6 and into the chamber 4, forced out through said openings 7 in the form of bubbles which gradually increase in size. It will be observed that the flat under side of the body 1 will form a smooth extended surface from which said bubbles may depend and on which the same may slide outward to the edge portion 2 before dropping off. In producing the comparatively-sharp edge portion 2 it is obvious that means are provided for preventing any tendency of the bubble or the soapsuds from traveling up on the outer side of said body. It is obvious that the chamber 4 will act as a reservoir to receive the suds which are taken up by the dipping of the body 1 and that a number of bubbles may be thus blown through said openings at one dipping. It has been demonstrated that where a plurality of the openings 7 are employed a number of bubbles are successively formed, the peripheries of which unite to form a cluster of bubbles.

It is obvious that a bubble-blowing device such as herein formed may be produced at an exceedingly-low cost of manufacture and that the same will be of great utility in entertaining children and others in view of the fact that bubbles of exceedingly-large size and beauty are blown therefrom.

Having now fully described our invention, what we claim, and desire to secure by Letters Patent, is—

In a bubble-blowing device, the combination with a substantially bell-shaped integrally-formed cup-body 1, the flaring base portion having a plurality of openings therein communicating with the interior of said body, of a detachable plug 3 adapted to close the mouth of said cup-body and a hollow stem 6 passing through the wall of said cup and communicating with the interior thereof, substantially as specified.

WILBER A. McCOY.
THOMAS J. MARSHALL.

In presence of—
C. C. SHEPHERD,
A. L. PHELPS.