

No. 648,891.

Patented May 1, 1900.

F. B. ABBOT.  
SOAP BUBBLE PIPE.

(Application filed June 14, 1899.)

(No Model.)

FIG. 1.

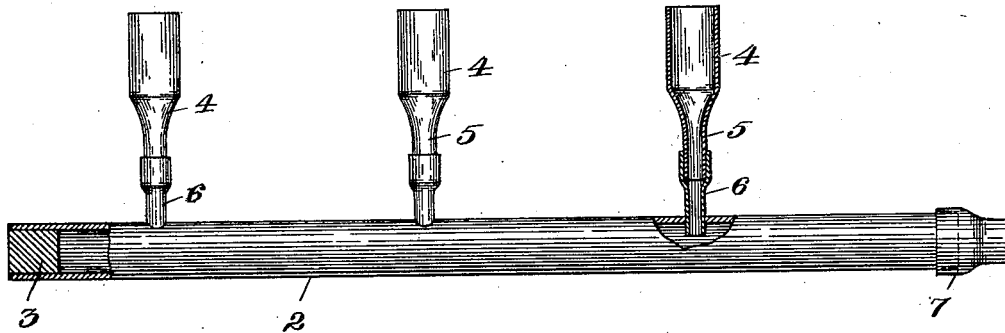
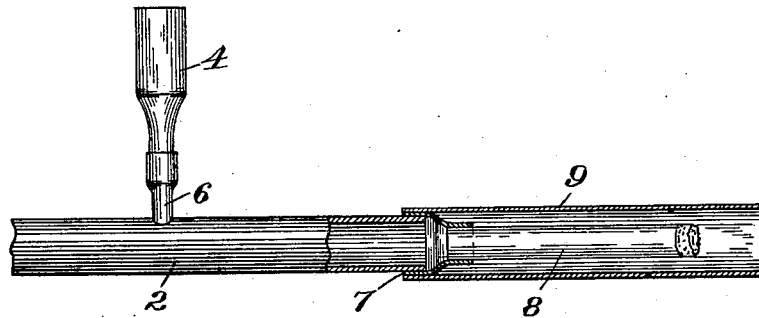


FIG. 2.



WITNESSES.

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# UNITED STATES PATENT OFFICE.

FREDERIC BRADLEE ABBOT, OF SHARON, MASSACHUSETTS.

## SOAP-BUBBLE PIPE.

SPECIFICATION forming part of Letters Patent No. 648,891, dated May 1, 1900.

Application filed June 14, 1899. Serial No. 720,502. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERIC BRADLEE ABBOT, a citizen of the United States, residing at Sharon, in the county of Norfolk and State of Massachusetts, have invented certain new and useful Improvements in Soap-Bubble Pipes, of which the following is a specification.

My invention relates to soap-bubble pipes; and its object is to provide a simple and inexpensive device of that character having certain features of improvement hereinafter set forth.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation, partly in section, of a soap-bubble pipe embodying my invention. Fig. 2 is a side elevation of the mouth end of a pipe such as shown in Fig. 1, showing also in section an attachment hereinafter described.

My invention in its preferred form comprises a hollow tube or stem 2, closed at one end, as at 3, and provided with one or more bowls 4. I have shown three such bowls in Fig. 1 of the drawings, each consisting of a piece of glass tubing drawn down to a small stem 5 and connected with a hollow stem 2 by a flexible connection, such as a short piece of rubber tubing 6, which at one end is stretched over the stem 5 and at its other end is inserted tightly in a hole bored in the side of the stem 2.

The advantages of the construction just described, in addition to its simplicity and inexpensiveness, reside in the flexibility of the connections between the bowls 4 and the stem 2, whereby said bowls are rendered much less likely to be broken than when they are rigidly attached to the stem, and also in the fact that a "knockdown" pipe is thereby produced, as the bowls 4 may readily be slipped out of and into the rubber tubes 6, and the pipe can thus be packed very compactly for transportation or when not in use.

In connection with the pipe above described I may use an attachment for blowing bubbles full of smoke constructed substantially as follows: A short piece of rubber tubing 7 is

stretched over the mouth end of the stem 2, the other end of said tubing being of such size as suitably to receive and retain a cigarette or small cigar 8, as shown in Fig. 2. A piece of tubing 9 is provided somewhat longer than the cigarette, as shown, of such size as to fit snugly over the stretched end of the rubber tubing 7, by the compression of which it will be firmly held on the mouth end of the stem 2 and will form a supplemental mouthpiece therefor. In blowing bubbles with this attachment the mouth end of a lighted cigarette or small cigar is inserted within the free end of the rubber tube 7 and the tube 9 is slipped over the same, as shown in Fig. 2. After dipping the bowls 4 bubbles may be blown full of smoke by blowing into the free end of the tube 9, whereby smoke will be driven through the cigarette 8 into the stem 2 and into the bubbles, as will be obvious.

I claim as my invention—

1. In a soap-bubble pipe, the combination of a rigid hollow stem with one or more bowls connected thereto by a piece of flexible tubing of less length than the bowl, whereby each bowl is made practically a part of said stem but is yieldingly connected therewith, for the purpose set forth.

2. In a soap-bubble pipe, a hollow stem, a bowl carried and supported by said stem and having a reduced extension, and a flexible connection between said bowl and stem, consisting of a short piece of rubber tubing inserted at one end into said stem and stretched at its other end over the reduced extension of the bowl, for the purpose set forth.

3. A knockdown soap-bubble pipe, comprising a rigid hollow stem, a plurality of laterally-extending bowls carried and supported by said stem, and a flexible connection between each of said bowls and said stem, consisting of a short piece of rubber tubing, into one end of which the bowl is inserted, and inserted at its other end into the stem, all substantially as described.

4. In a soap-bubble pipe, a hollow stem provided with one or more bowls, a piece of rubber tubing stretched over the mouth end of said stem and arranged to receive and hold a

cigar or cigarette, and a supplemental mouth-  
piece consisting of a piece of tubing of greater  
length than said cigar or cigarette, and adapt-  
ed to be slipped over the mouth end of said  
5 stem and be retained thereon by the com-  
pression of said rubber tubing, for the pur-  
pose set forth.

In testimony whereof I have hereunto sub-  
scribed my name this 12th day of June, 1899-

FREDERIC BRADLEE ABBOT.

Witnesses:

E. D. CHADWICK,  
E. B. TOMLINSON.