

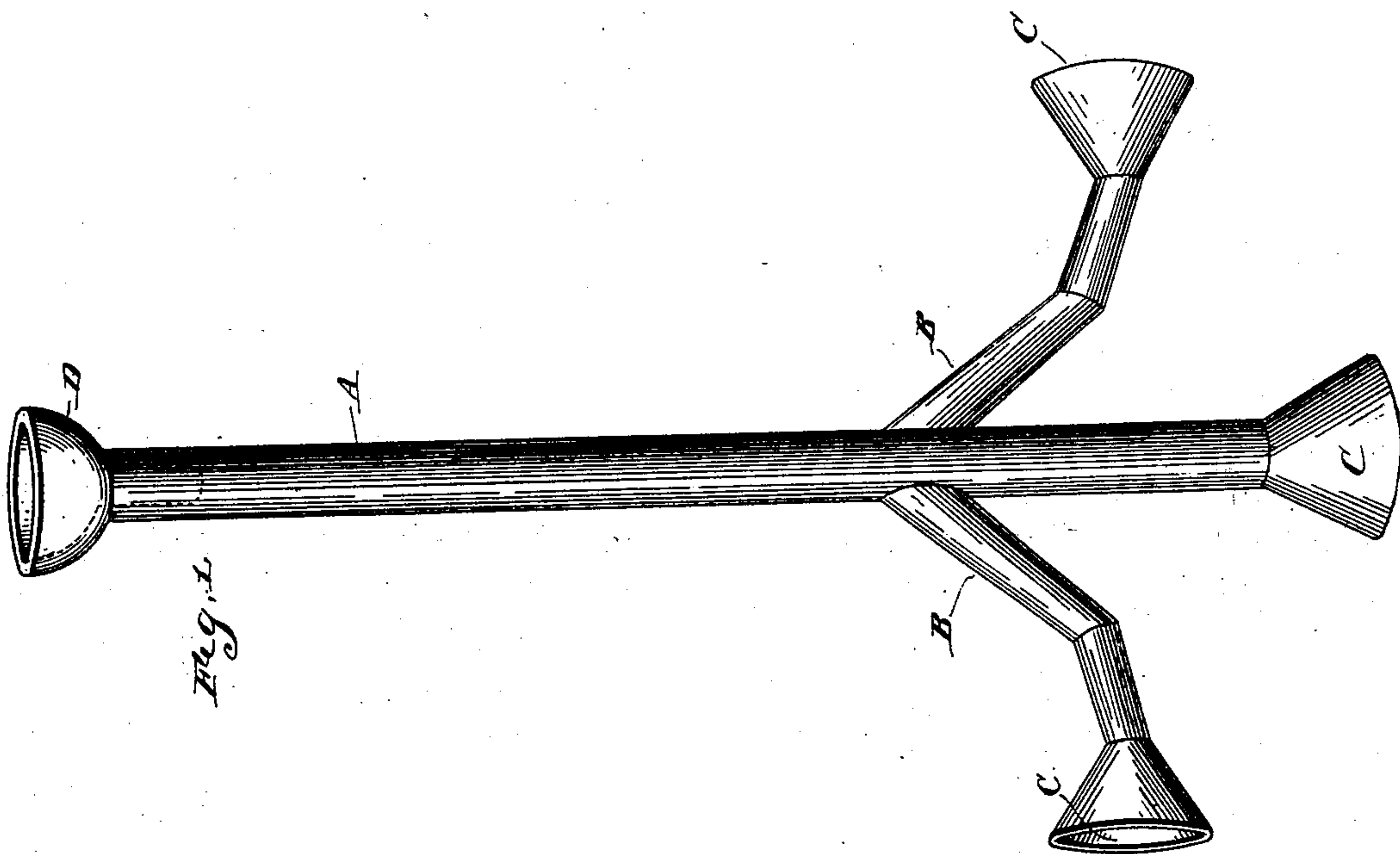
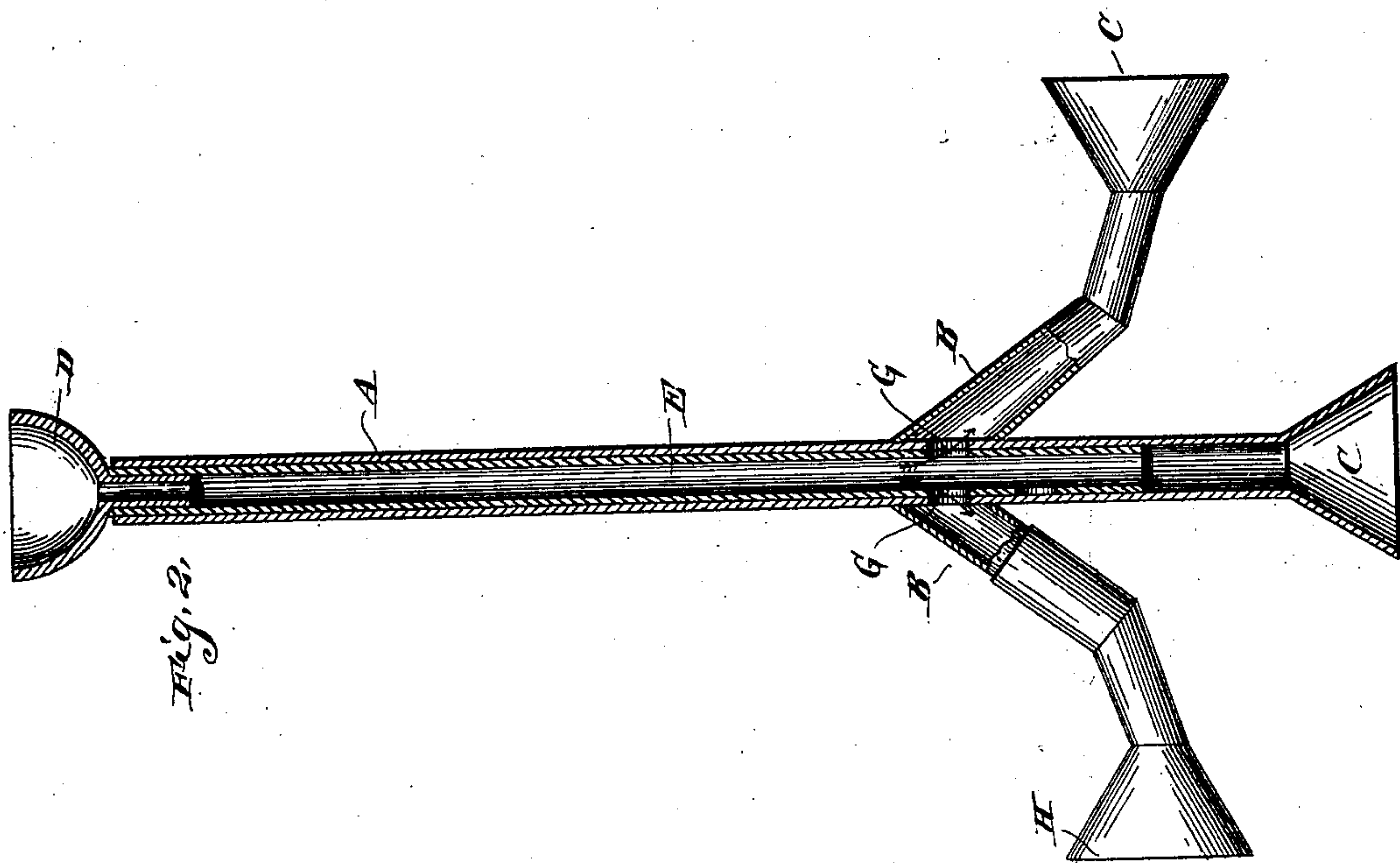
No. 673,488.

Patented May 7, 1901.

E. H. WATERMAN & J. P. MURDOCK.
SOAP BUBBLE BLOWER.

(Application filed Oct. 1, 1900.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

ELIZABETH H. WATERMAN, OF BINGHAMTON, NEW YORK, AND
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SOAP-BUBBLE BLOWER.

SPECIFICATION forming part of Letters Patent No. 673,488, dated May 7, 1901.

Application filed October 1, 1900. Serial No. 31,673. (No model.)

To all whom it may concern:

Be it known that we, ELIZABETH H. WATERMAN, residing at Binghamton, in the county of Broome and State of New York, and JEANNETTE P. MURDOCK, residing at Newark, in the county of Essex and State of New Jersey, citizens of the United States, have invented new and useful Improvements in Soap-Bubble Blowers of which the following is a specification.

Our invention relates to improvements in soap-bubble blowers in which to render it more attractive a number of bubbles may be blown simultaneously or adjusted so as to blow a single bubble therefrom, a bell-shaped mouthpiece of non-corrosive material against which the lips may be pressed in blowing bubbles, and jointed branch pipes by means of which bubbles may be blown therefrom in different directions.

Figure 1 represents a plan or top view; Fig. 2, a central longitudinal sectional view showing the manner in which the blower may be adjusted so as to vary the number of bubbles that may be blown therefrom simultaneously.

Similar letters refer to corresponding parts in both views.

From a central tubular stem A extend branches B laterally and terminating in bell-shaped ends C, from which the bubbles are to be blown.

A mouthpiece D, of any suitable non-corrosive material, is provided, and which is concave or bell-shaped in imitation of a wind instrument, in order that the lips may be pressed against instead of introducing it into the mouth, in which latter case it soon becomes objectionable in blowing bubbles.

To render this soap-bubble blower more attractive by being capable of varying the number of bubbles that may be blown simultaneously therefrom, an interior tube E, Fig. 2, is fitted to the tubular stem A, with openings G, corresponding in location with openings

into the branches B, so that by adjusting this inner tube E back and forth the number of bubbles capable of being blown therefrom simultaneously may be varied, as before stated.

The non-corrosive bell-shaped mouthpiece D is fitted to the sliding tube E, as represented in Fig. 2.

In order to render this soap-bubble blower still more attractive, the branch pipes B may be made in sections and fitted the same as stovepipes, so that the bell-shaped ends thereof may be revolved and the bubbles blown in different directions therefrom, as shown in Fig. 2, H, which is turned upward to direct the bubble therefrom in a different direction.

Having described our invention, what we claim therein as new, and desire to secure by Letters Patent, is—

1. In a soap-bubble blower the combination of an exterior tube fitted with an adjustable interior tube capable of sliding back and forth therein, branch tubes secured to the exterior tube and corresponding openings formed in the exterior and interior tubes respectively leading into the branch tubes substantially as and for the purpose set forth.

2. In a soap-bubble blower the combination of an exterior tube fitted with an adjustable interior tube capable of sliding back and forth therein, jointed branch tubes, and corresponding openings formed in the exterior and adjustable, interior tubes respectively, leading into the jointed branch tubes substantially as and for the purpose set forth and shown.

Signed at Binghamton, in the county of Broome and State of New York, this 22d day of September, A. D., 1900.

ELIZABETH H. WATERMAN.
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Witnesses:

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