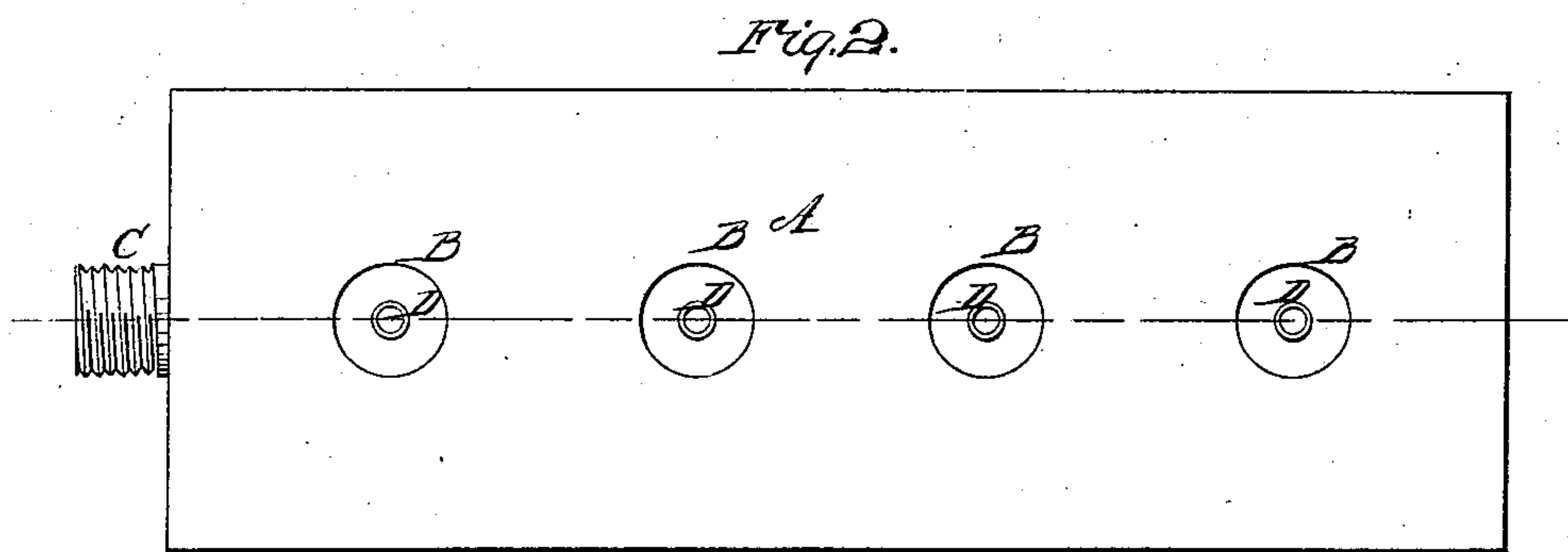
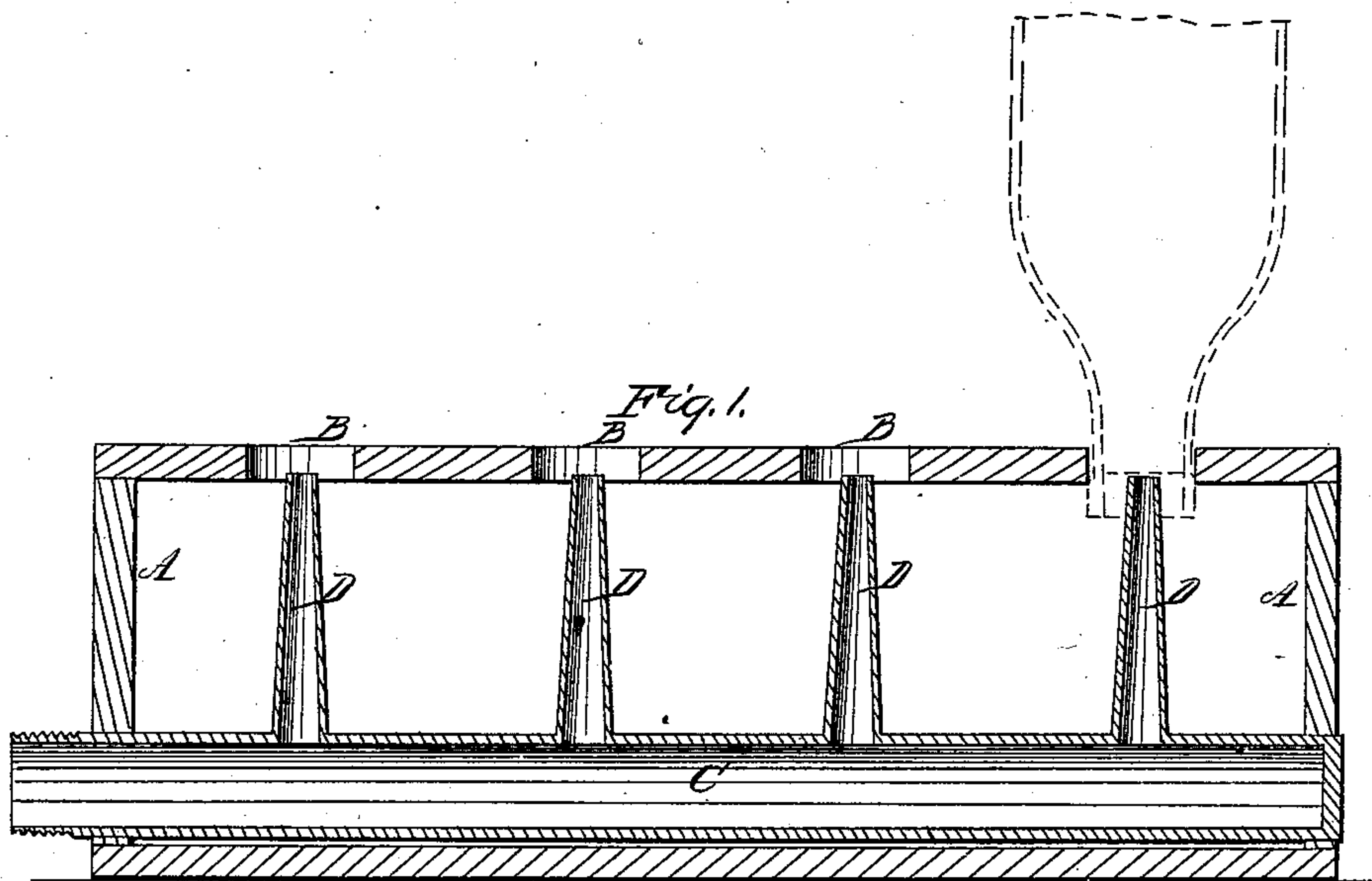


H.B. Davison,
Bottle Cleaner,
No 70,973, Patented Nov. 19, 1867.



Witnesses:
Wm. Smith
Geo. A. Munn

Inventor:
H.B. Davison

United States Patent Office.

HENRY B. DAVISON, OF SAN FRANCISCO, CALIFORNIA.

Letters Patent No. 70,973, dated November 19, 1867.

IMPROVED BOTTLE-WASHER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, HENRY B. DAVISON, of San Francisco, county of San Francisco, State of California, have invented a new and improved "Bottle-Washer;" and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvement, without further invention or experiment.

The object of my invention is to provide an improved apparatus for washing and cleansing bottles after they have been emptied of their contents, the bottles being washed cleaner and much more speedily than by hand, and with much less labor.

To effect this, I provide a box of any desirable shape, and of a size sufficient to accommodate any number of bottles. At the bottom of this box is a pipe, which is connected with the tank or source from which the water is derived, considerable pressure being necessary to render it effectual. A sufficient number of jet tubes is attached to the upper side of this pipe, and holes are made in the top of the box, corresponding with these tubes, into which the necks of the bottles are inserted, and the water turned on. As fast as the bottles are washed they are removed, and others take their place.

To more fully describe my invention, reference is had to the accompanying drawings, forming a part of this specification, of which—

Figure 1 is a side sectional elevation.

Figure 2 a top view.

A is a box, of any size and shape desirable, having holes, B B, in its top, which are large enough to admit the necks of the bottles to be washed, so that the bottle is sustained upright by resting the body on the top of the box. A pipe, C, runs along the bottom of the box, directly beneath these openings, and having jet tubes D D D extending upward, so that their ends enter the necks of the bottles when in position. The water having considerable head, is turned on, and strikes the bottom and sides of the bottle with great force, thus effectually cleaning it, the dirty water constantly running out and passing out through the holes in its bottom or sides. A trough may be placed in front, where the bottles to be washed can lie, and their outsides will be washed by the waste water as it runs off. Six or eight bottles will be all that can be washed at once. one being replaced by another as soon as it is cleaned.

By this arrangement the bottles are washed cleaner, the water always being fresh, and the labor of filling and shaking each bottle is done away with. From eight hundred to a thousand bottles may be washed per hour by one man, and the apparatus is easily arranged for any size or kind of bottle used.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A bench or support, provided with a series of holes, B B, to hold the bottles, in combination with a series of jet pipes, D D, extending into the nozzles of the bottles, and conducting water to wash them, substantially as described.

In witness whereof I have hereunto set my hand and seal.

H. B. DAVISON. [L. s.]

Witnesses:

C. W. M. SMITH,

A. C. KNOX.