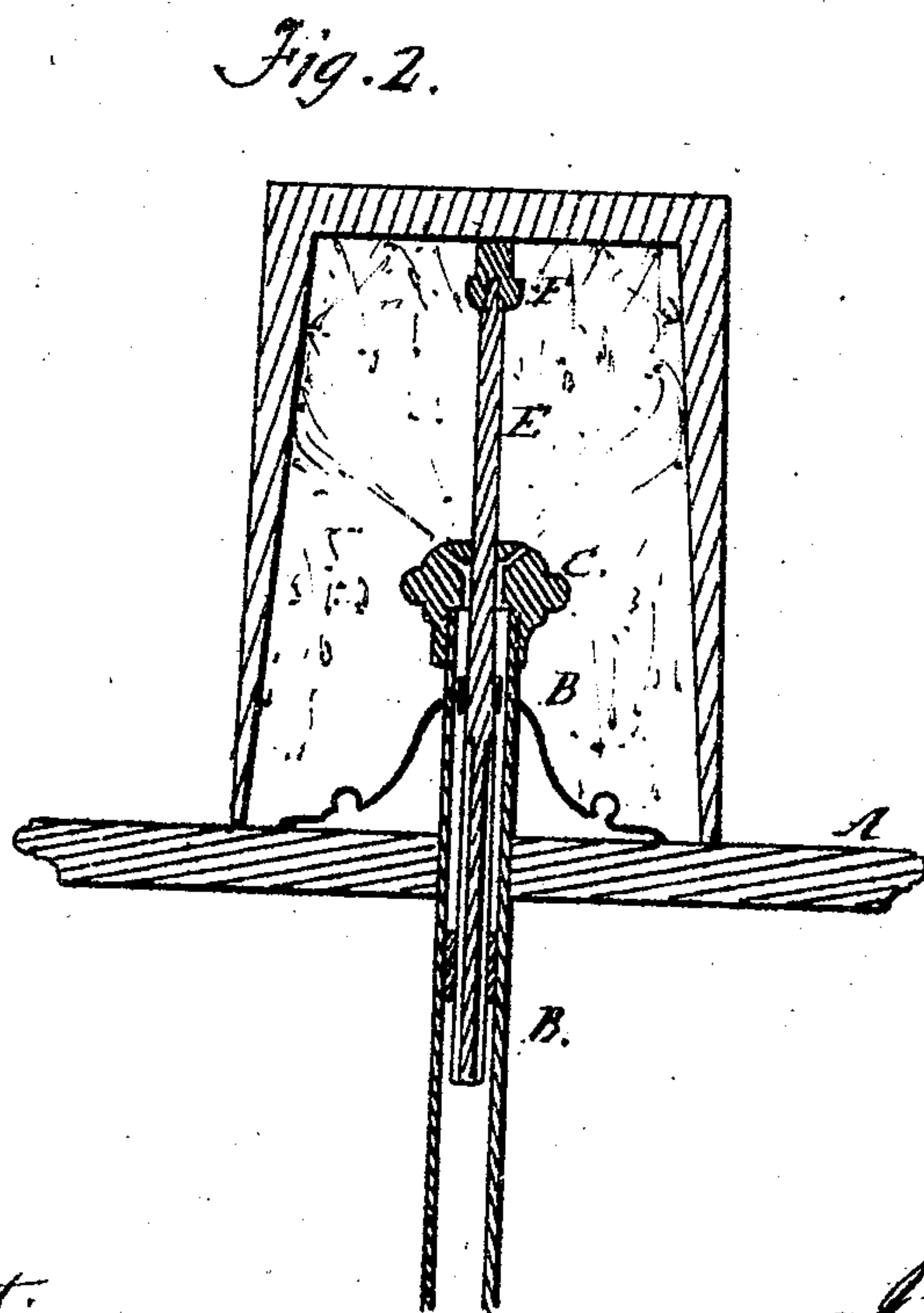
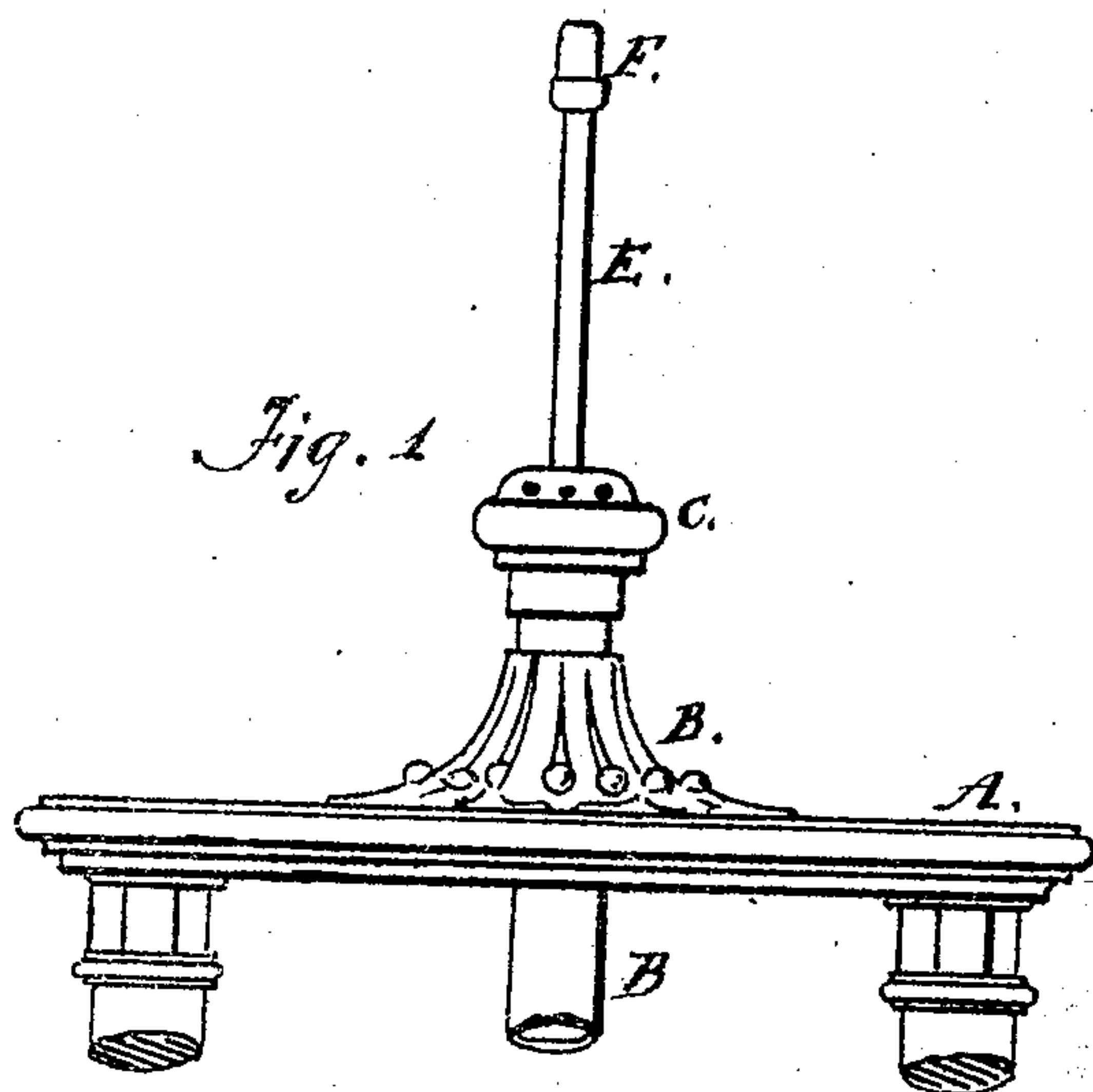


E. W. Russell.
Imp^d Tumbler-Washer.
N^o 72911
Patented Dec. 31, 1867.



Attest:
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United States Patent Office.

E. WALTON RUSSELL, OF BALTIMORE, MARYLAND.

Letters Patent No. 72,911, dated December 31, 1867.

IMPROVED TUMBLER-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, E. WALTON RUSSELL, of the city and county of Baltimore, and State of Maryland, have invented a new and improved Tumbler-Washer; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, and in which—

Figure 1 is a side elevation of my invention.

Figure 2 is a vertical section through the centre of my invention, showing the instrument in operation under a tumbler.

Similar letters of reference indicate corresponding parts in the two figures.

In this invention a jet is closed at its top by a plug-valve, seating upward, which closes by the force of the water. The valve-rod projects from the top of the jet. When an inverted tumbler is placed over the jet, its weight opens the valve, and a shower of spray is thrown into the tumbler until it is removed.

In order that others skilled in the art to which my invention appertains may be enabled to make and use the same, I will proceed to describe it in detail.

In the drawings, A represents a tumbler-stand, from which projects upward a pipe, B, connected with a reservoir having sufficient head of water to throw a jet of spray from the pipe. A cap, C, with foraminated top, is screwed to the top of the pipe B. Inside of this cap is a plug-valve, D, seating upward against the top of the cap, and, when seated, closing all the perforations of the cap water-tight. A short rod, E, attached to the top of the valve, projects upward through the centre of the cap, terminating in a knob, F. The weight of the valve is to be so adjusted to the upward pressure of the water beneath it that, when undisturbed, it will remain constantly closed by the force of the water. The materials of which the apparatus is constructed may be metal, wood, rubber, or any other material which will best answer the purpose.

The pipe B projects so far above the surface of the stand that if an inverted tumbler be placed over it, the weight of the tumbler will press upon the knob F, depress the valve-rod, and open the valve, causing the water to be thrown upward and outward in spray against the bottom and sides of the tumbler.

The instrument is designed to be used in connection with soda-water stands, or other places of that character, where many tumblers are constantly in use, and require frequent washing or rinsing.

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

The tumbler-washer, above described, consisting of the water-pipe B, cap C, valve D, and rod E, all constructed, combined, and arranged substantially as and for the purpose specified.

E. WALTON RUSSELL.

Witnesses:

J. BAIRD WOLFE,
JULIUS JONSON.