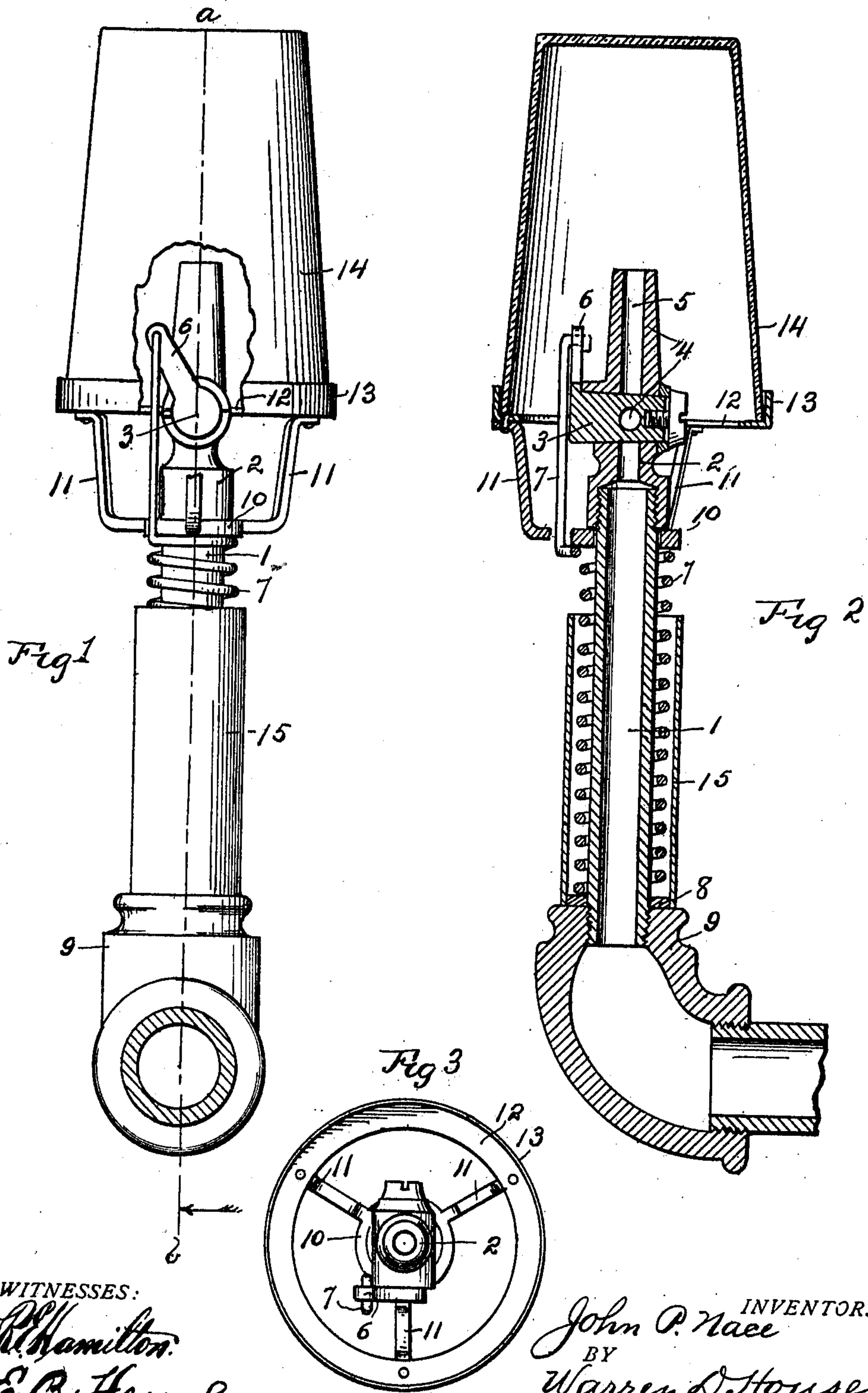


J. P. NACE.
TUMBLER WASHER.
APPLICATION FILED NOV. 15, 1909.

980,324.

Patented Jan. 3, 1911.



WITNESSES:
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UNITED STATES PATENT OFFICE.

JOHN P. NACE, OF KANSAS CITY, MISSOURI.

TUMBLER-WASHER.

980,324.

Specification of Letters Patent.

Patented Jan. 3, 1911.

Application filed November 15, 1909. Serial No. 528,106.

To all whom it may concern:

Be it known that I, JOHN P. NACE, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Tumbler-Washers, of which the following is a specification.

My invention relates to improvements in tumbler washers.

It is particularly well adapted for quickly and cleanly washing such articles as goblets, tumblers and cups.

The object of my invention is to provide a tumbler washer which is economical to manufacture, efficient in operation, simple in construction, and not liable to get out of order.

The novel features of my invention are hereinafter fully described and claimed.

In the accompanying drawings which illustrate the preferred form of my invention—Figure 1 is an elevation having some of the parts broken away, and showing a glass tumbler mounted on the washer. Fig. 2 is a vertical sectional view on the dotted line *a—b* of Fig. 1. Fig. 3 is a plan view with the tumbler removed.

Similar characters of reference denote similar parts.

1 denotes a stand pipe connected with a suitable source of supply and adapted to contain water under pressure. The upper end of the stand pipe is provided with a cock 2 having a rock valve 3 provided with a transverse opening 4 which is adapted, when the valve 3 is rocked to the open position, to align with the longitudinal opening 5 of the cock 2. The valve 3 is provided with a crank arm 6 to which is connected the upper end of a coil spring 7 which encircles the stand pipe 1 and has its lower end supported on the washer 8 which encircles the pipe 1 and is supported on an elbow 9, which in turn is secured to the lower end of the pipe 1.

Reciprocatively mounted on the stand pipe 1 is a support for glasses comprising preferably a horizontal ring 10 which encircles the stand pipe 1 and is supported on the coil spring 7 and is provided with one or more upwardly and outwardly extending arms 11 which support a horizontal ring 12, provided with an annular vertical peripheral flange

13, within which, supported on the ring 12, is placed the lower open end of the inverted glass 14. Encircling the coil spring 7 and the washer 8 is a vertical tube 15, the lower end of which is supported in the elbow 9 and the upper end of which serves to limit the downward movement of the glass supporting device above described. The cock 2 serves to limit the upward movement of said device.

In operating my invention, the glass 14 is placed as shown in Figs. 1 and 2 and then forced downwardly with its support thereby compressing the coil spring 7, which in turn rocks the valve 3 to the open position, thereby permitting the water under pressure to be discharged from the cock 2 into the glass 14. After the glass has been sufficiently washed it is removed from the ring 12, thereby permitting the spring 7 to expand to the position shown in Figs. 1 and 2, in which position the valve 3 is closed.

The rock valve 3 may be of any ordinary construction, such as for instance, are employed in the ordinary gas cocks.

Various modifications of my invention, within the scope of the appended claim, may be made without departing from its spirit.

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

In a tumbler washer, the combination with a stand pipe having at its discharge end a cock provided with a rock valve having a crank arm, the cock serving as a stop, of a coil spring encircling and supported by said stand pipe and having its upper end connected to said crank arm for rocking said valve when the spring is compressed and expanded, a tube encircling said spring and supported by said stand pipe and serving as a stop, and means for supporting an inverted tumbler or other article over the cock, said supporting means being reciprocative on said stand pipe intermediate said stops and supported by said spring.

In testimony whereof I have signed my name to this specification in presence of two subscribing witnesses.

JOHN P. NACE.

Witnesses:

E. B. HOUSE,
WARREN D. HOUSE.