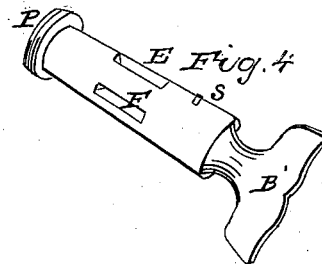
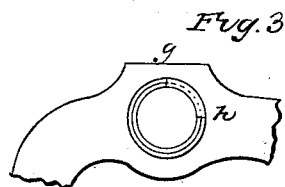
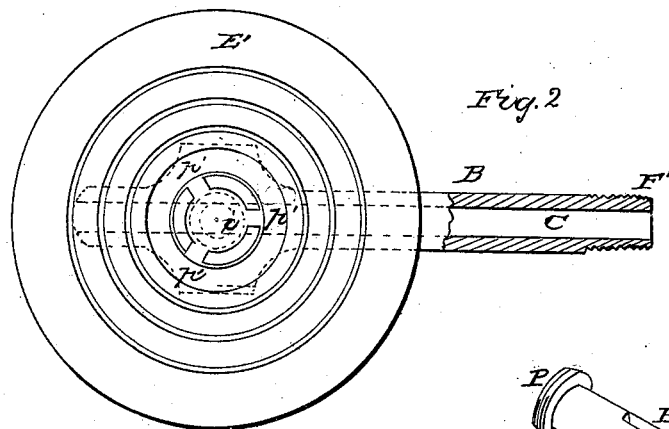
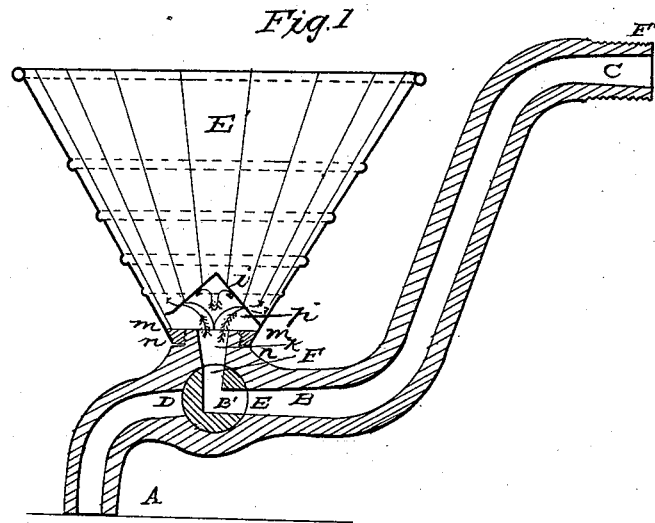


A. G. WILSON.
Combined Funnel and Cock.

No. 53,074.

Patented March 6, 1866.



witnesses
Geo. L. Chapin
McKinnon

Inventor
Arthur G. Wilson

UNITED STATES PATENT OFFICE.

ARTHUR GATES WILSON, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN COMBINED FUNNEL AND COCK.

Specification forming part of Letters Patent No. 53,074, dated March 6, 1866.

To all whom it may concern:

Be it known that I, ARTHUR GATES WILSON, of Chicago, in the county of Cook and State of Illinois, have invented an Improvement in Funnels; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings and letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a longitudinal section of my improvement in funnels, drawn vertically through the center, the plane of section being indicated by the line A A. Fig. 2 is a top or plan view of my improvement in funnels. Fig. 3 is a part of a longitudinal elevation of faucet to which the funnel is attached. Fig. 4 is a perspective representation of the stop-cock to the faucet.

The object of my invention is to provide convenient means by which a measuring or other kind of funnel can be attached to a faucet in such a manner that the funnel can be detached from the faucet for the purpose of cleaning; also, to provide means by which the liquid when entering the funnel from the faucet cannot spout or fly over the top.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

First, as a foundation for the attachment of my improvement, I use the common crooked faucet B and funnel E'. I then attach the part *m* to the bottom of the funnel by common solder or otherwise with common methods. The object of the part *m* is to give sufficient thickness to the funnel, so that a screw can be cut on the inside of the part *m* for the purpose of securing the funnel to the faucet, as shown at Fig. 1. The part of the faucet *k* is raised sufficient to hold the screw that the funnel is attached with to the faucet.

At *n* is represented rubber or leather packing. The object of the part *n* is for the purpose of making the connection of the funnel and faucet liquid-tight.

At *i* is represented the cone which prevents the liquid from spouting over the top of the funnel. The liquid, in passing up through the faucet at F, strikes the cone on the under side and is turned from its upward course in the direction indicated by the darts^{xxxxx}, there

being sufficient room for the liquid to pass between the cone and the inside of the funnel, thus allowing the funnel to be filled conveniently. The cone *i* is secured to the sides of the funnel by the three straps or braces P' P' P'.

C represents the orifice through which the liquid passes from the barrel to the funnel, and D the orifice through which the liquid is discharged.

F and E represent the rectangular openings through which the liquid passes into the funnel and from the funnel into the orifice D. This change is effected by turning the stop-cock B to the left.

At *g* and *h*, Fig. 3, are represented two shoulders, the object of which is to stop the stop-cock at the proper place for filling and discharging the funnel. This is effectively done by means of the pin or part *s* striking against the shoulders *g* and *h* as the stop-cock is turned.

At *o*, Fig. 4, is represented a spring, held to the end of the stop-cock by means of the screw P. The object of this spring is to hold the stop-cock in the faucet and overcome slight inequalities in use.

Operation: In order to use my invention it is first necessary to secure the faucet to the barrel or cask from which the liquid is to be drawn. This is done by means of the screw on the end of the faucet B. It is then necessary to adjust the stop-cock to fill the funnel. This is done by turning the stop-cock B' until the pin *s*, Fig. 4, rests against the shoulder *h*, Fig. 3. The stop-cock is represented in the drawing in this position—that is, for filling the funnel. In order to discharge the funnel it is only necessary to turn the stop-cock B' until the pin or part *s*, Fig. 4, strikes against the shoulder *g*. This will bring the opening E to the opening F and the opening F to the orifice B.

Now, having fully described my device, what I claim as my invention, and desire to secure by Letters Patent of the United States, is—

A funnel in which are arranged and combined the deflector I and the cock B, all substantially as described.

ARTHUR GATES WILSON.

Witnesses:

GEO. L. CHAPIN.

W. C. BRUSON.