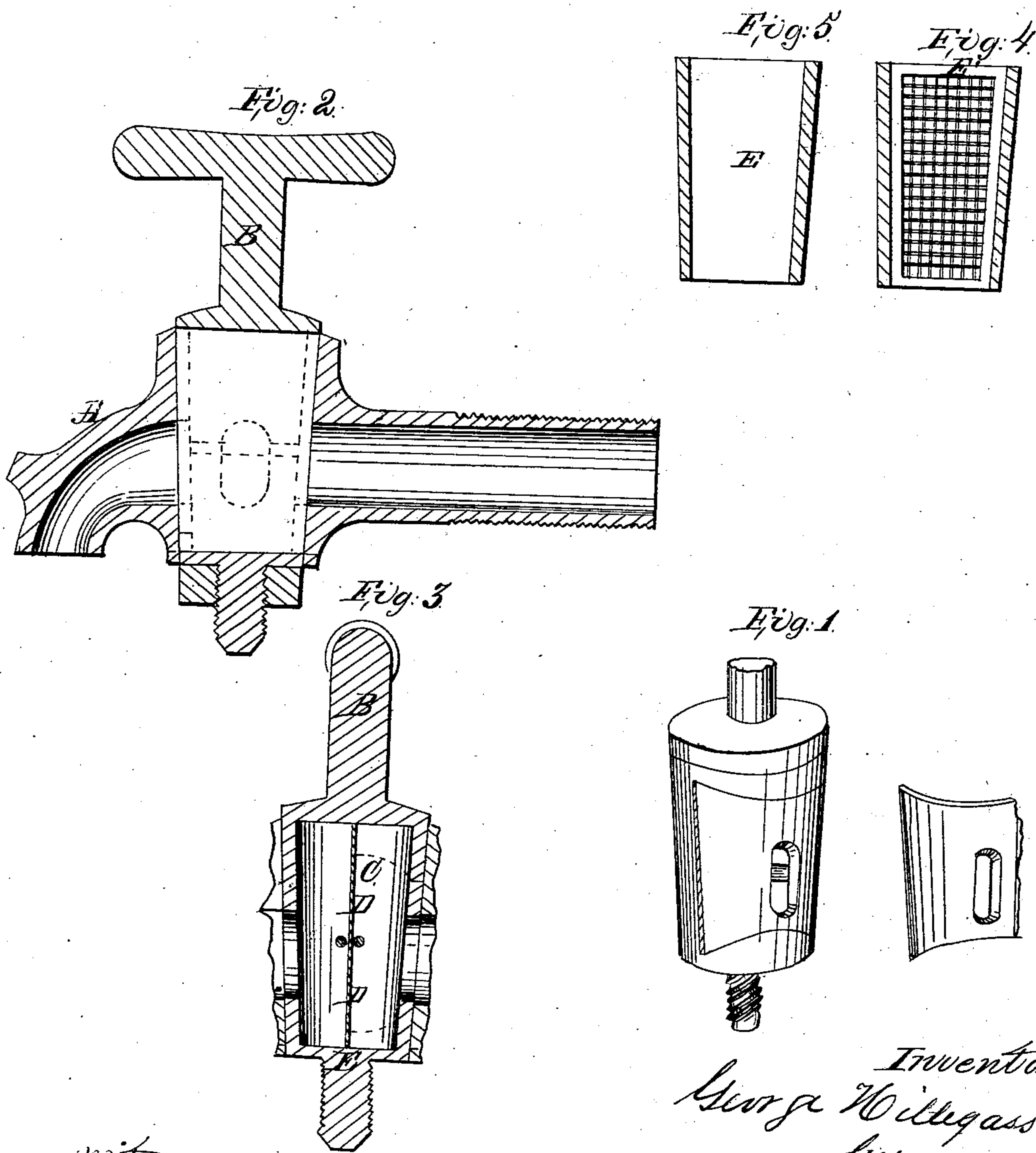


G. Hillegass,
Filtering Faucet,
No 54,347, *Patented May 1, 1866.*



Witnesses:
L. Murphy;
Chas. F. Clauser.

Inventor:
George Hillegass
by
D. P. Hollaway & Co
his attys

UNITED STATES PATENT OFFICE.

GEORGE HILLEGASS, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN FILTERING-FAUCETS.

Specification forming part of Letters Patent No. 54,347, dated May 1, 1866.

To all whom it may concern:

Be it known that I, GEORGE HILLEGASS, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Filtering-Faucets; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being made to the annexed drawings, made part of this specification, in which—

Figure 1 is a perspective view of the spigot. Fig. 2 is a longitudinal section, showing the faucet when closed. Fig. 3 is a similar section, showing the faucet when open. Fig. 4 shows the arrangement of the screw in the spigot. Fig. 5 shows the arrangement of the felt when the faucet is used as a filter.

In the different views the same letters refer to identical parts.

A represents the tube of the faucet, which is of ordinary construction. B is the spigot, of the general external form, having an opening through it in usual form. This spigot I make hollow and finish it in two parts.

C represents a four-sided section cut out of the barrel of the spigot, of one-half of the circumference thereof, and cut with a dovetail, so as to slide out and in on one side, and when in to fit snugly in its place.

The dovetailed slide C is slightly cut away at its ends, so as to allow a narrow space, D, to receive a piece of felt, E, or screen E', passing across the chamber in the spigot and perfectly separating it into two parts. Through

this filter or screen the fluid flowing through the spigot must pass. Whenever the fluid in passing has deposited its impurities upon the face of the filter or screen so as to impede the flow, by removing the spigot in the faucet, the flow being then from the opposite side of the filter or screen, these impurities will be immediately washed away and their proper action restored.

As a filter, felt, I think, is at once the cheapest and most effective. The screen is intended for larger substances, such as the hops in ale, which frequently stop the perforated inner end of faucets in ordinary use, occasioning great inconvenience. With my improved faucet such substances are entirely washed away by simply reversing the spigot.

What I claim as my invention, and seek to secure by Letters Patent, is—

Constructing the reversible spigot of a faucet with a chamber and dovetailed slide, C, so arranged as to secure a filter of felt or other material, E, or screen E' across the chamber, through which the fluid must flow in passing through the faucet, substantially in the manner and for the purpose set forth.

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

GEORGE HILLEGASS.

Witnesses:

JOHN S. HOLLINGSHEAD,
R. MASON.