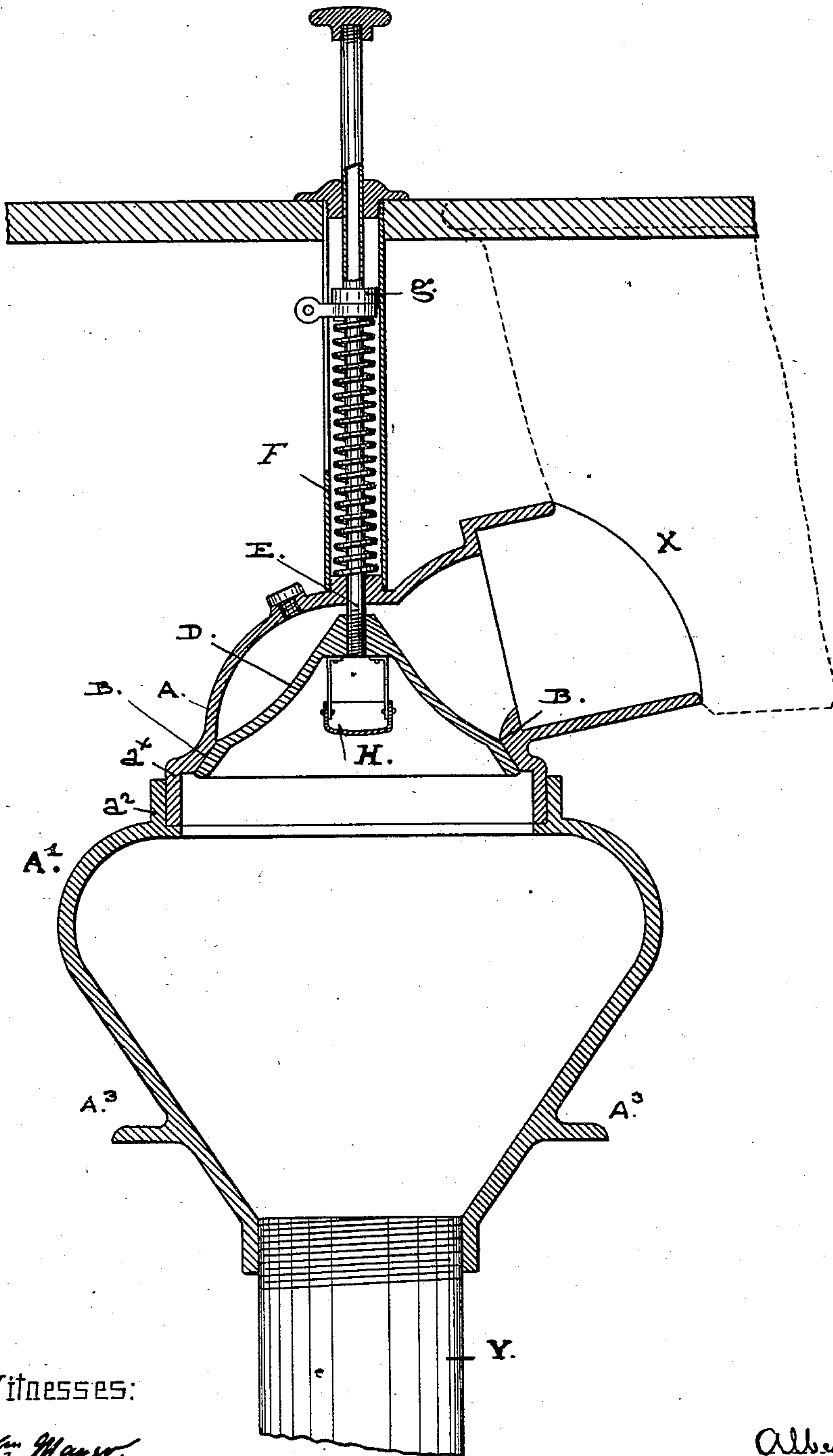


(No Model.)

A. A. & F. B. STOUT.
VALVE FOR SINKS OR WATER CLOSETS.

No. 454,889.

Patented June 30, 1891.



Witnesses:

Wm. Meyer
A. M. Chaslot

Inventors:

Albert A. Stout
Flora B. Stout
By J. Smith & Son
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UNITED STATES PATENT OFFICE.

ALBERT A. STOUT AND FLORA B. STOUT, OF FOWLER, CALIFORNIA.

VALVE FOR SINKS OR WATER-CLOSETS.

SPECIFICATION forming part of Letters Patent No. 454,889, dated June 30, 1891.

Application filed June 9, 1890. Renewed April 13, 1891. Serial No. 388,649. (No model.)

To all whom it may concern:

Be it known that we, ALBERT A. STOUT and FLORA B. STOUT, citizens of the United States, residing at Fowler, in the county of Fresno, State of California, have invented certain new and useful Improvements in Valves for Sinks or Water-Closets, of which the following is a specification.

Our invention has for its object to provide a waste-pipe valve for sinks, water-closets, and basins that shall be an effectual seal to prevent the escape of gases from the sewer-pipe into the apartment; and to such end and purpose it consists in the described construction of valve hereinafter set forth, producing a simple and effective device for sinks and basins of all kinds having connection with the sewer.

The following drawing, forming part of this specification, represents our improved valve as applied to a wash-bowl or a water-closet bowl, the view being a general vertical section through the body of the valve and connected parts.

X indicates the outlet of the bowl, to which the valve is connected by a suitable coupling, and Y the waste-pipe leading to the sewer-pipe.

The body of the valve is made in two parts A A', united together by an overlap-joint, the upper part A having a neck a^x to fit within and form a close joint with the standing rim a^2 on the other part. A seat B is formed within the part A above the rim, and against it is fitted the conical cup-shaped valve D to set against it from below. This seat tapers or flares outwardly, and the edge d of the valve D is ground or finished with a corresponding angle or inclination to make a tight joint.

E is a valve-rod secured at the lower end in the top of the valve and furnished with a head or handle on the top for operating the valve. This rod is formed of a tube, and is set in a tubular casing F, which is supported at the bottom on the valve-body, and is carried through the wood-work of the seat or through the slab around the basin. Around the rod within the casing is placed a coil-spring of suitable strength to hold the valve against the seat, the lower end of the spring being set against the top of the valve-body, with the upper end bearing against a collar g on the rod.

The valve is opened by pressing down the rod, which extends above the slab or wood-work a suitable distance for that purpose, and as soon as the rod is released the spring exerts sufficient force to bring the valve up to its seat and close the outlet.

Provision is made for introducing disinfecting material into the valve-chamber without moving the valve from its seat by making the valve-rod hollow, so that a disinfecting-liquid can be poured into its open top, and setting into the hollow space within the rim of the valve directly under the bottom end of the tubular rod is a receptacle H, of any convenient size, containing a sponge or other similar substance that is sufficiently absorbent to hold the disinfectant and having openings around the sides of the disinfectant to pass into the valve-chamber.

Flanges A^3 are provided on the valve-body, by which to secure it to the floor, and the neck of the body is tapped to receive the threaded end of the waste-pipe, or otherwise finished to obtain a tight joint.

Having thus fully described our invention, what we claim, and desire to secure by Letters Patent, is—

1. The herein-described valve for sinks and water-closets, consisting of the two-part body A A', united by a lap-joint, the top part having a neck or coupling to connect with the bowl and a flaring seat B, and the bottom part having a socket for the waste-pipe, the conical valve D, having a rim adapted to set against the seat from below, the valve-rod E, spiral spring bearing against the valve-body and against a fixed collar g on the rod, and the tubular casing F, inclosing the spring.

2. In combination with the valve adapted to close the valve-chamber above the sewer-pipe outlet, the tubular valve-rod adapted to be opened at the upper end to introduce disinfecting material or substances, and a cup or receptacle fixed in the valve below the open bottom end of the rod.

In testimony that we claim the foregoing we have hereunto set our hands and seals.

ALBERT A. STOUT. [L. S.]
FLORA B. STOUT. [L. S.]

Witnesses:

A. C. PALMER,
A. DAVIDSON.