

(No Model.)

A. S. HUFFMAN.

DEVICE FOR PREVENTING DISCHARGE OF GAS.

No. 603,993.

Patented May 10, 1898.

Fig. 1

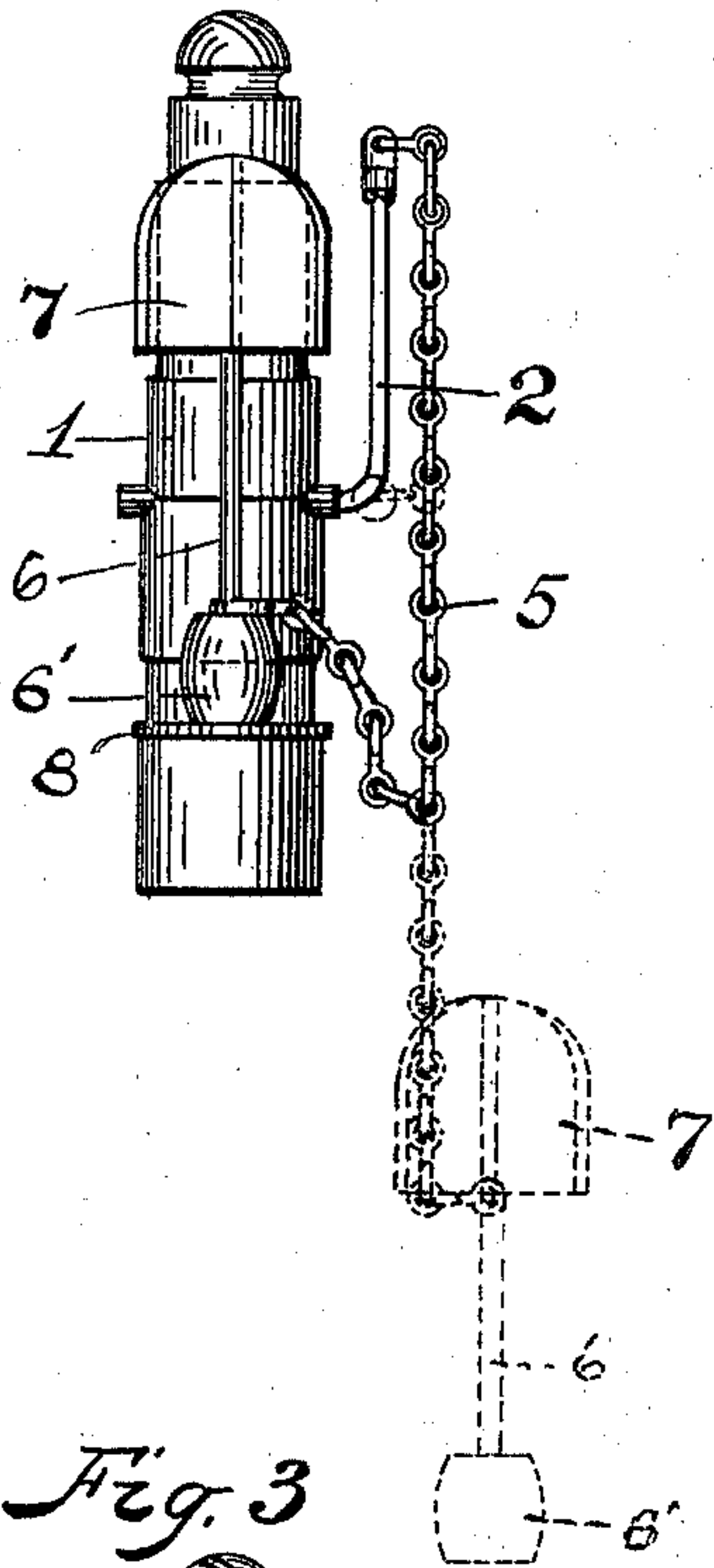


Fig. 2

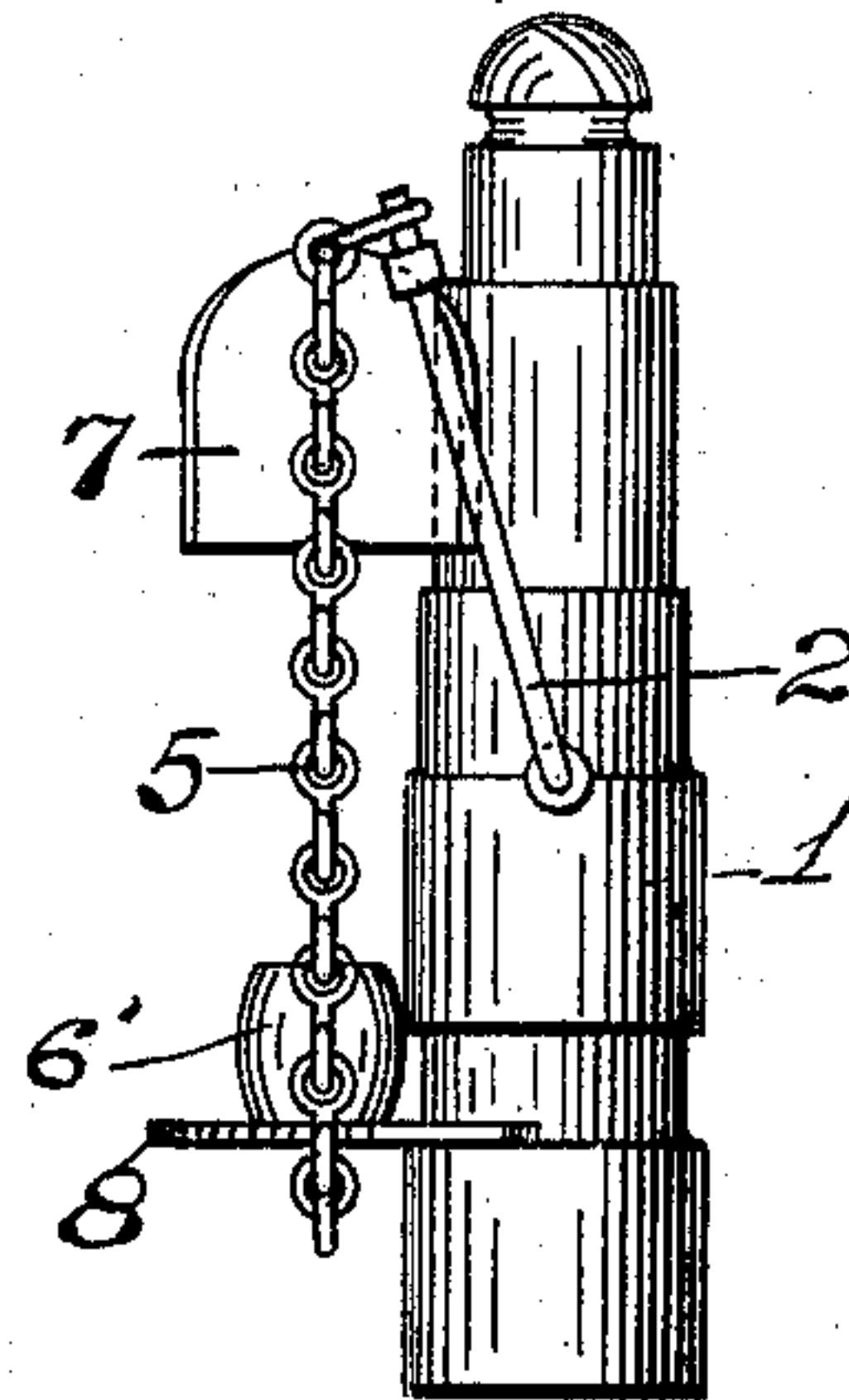


Fig. 3

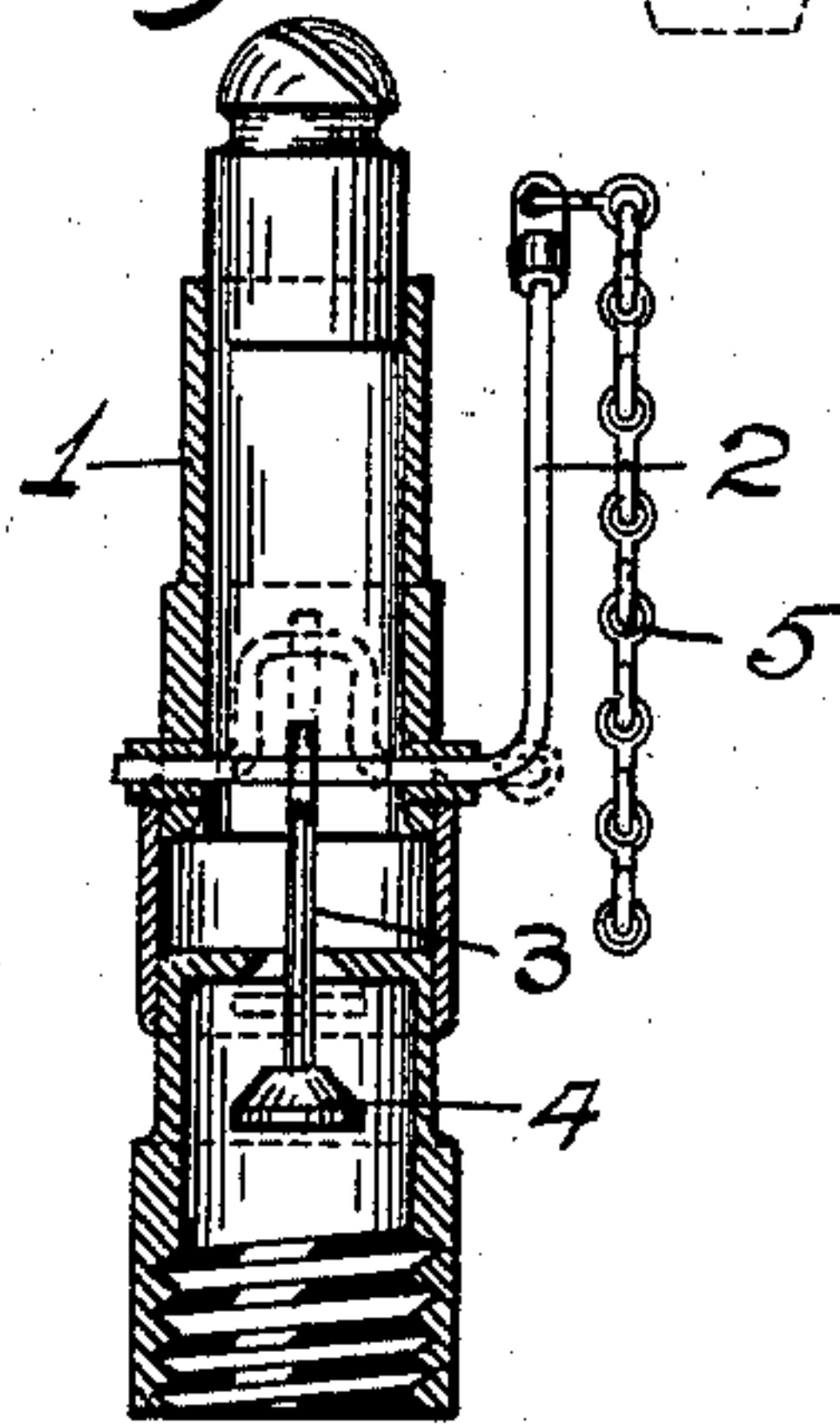
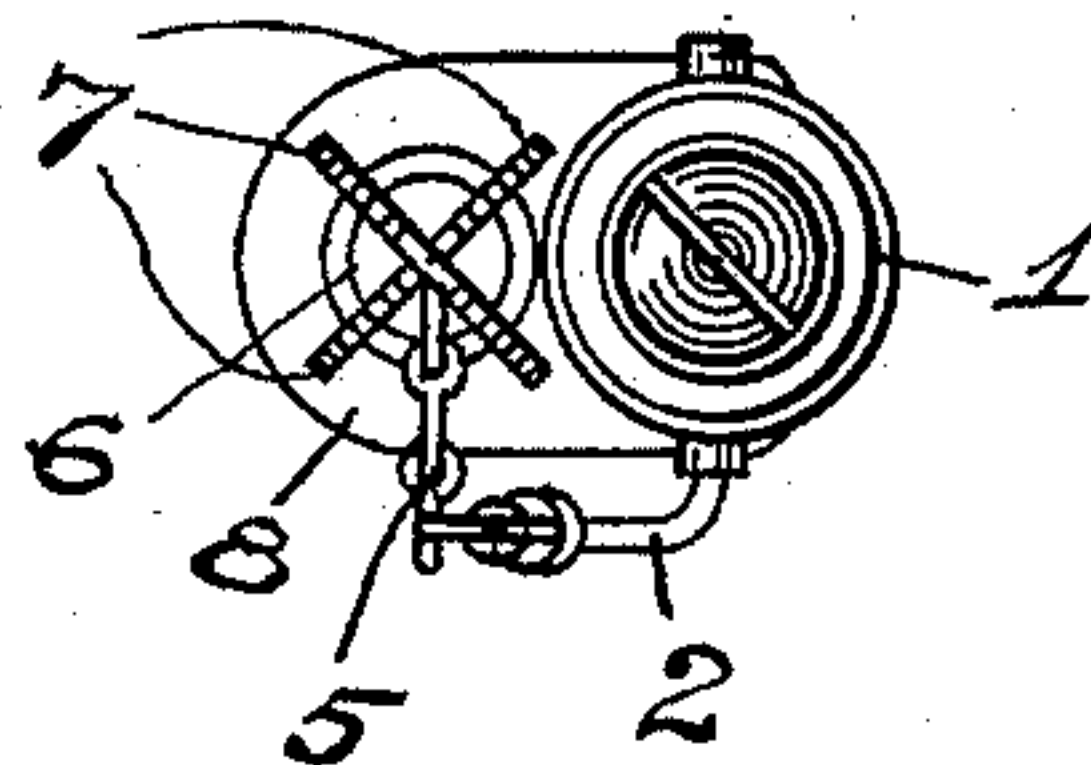


Fig. 4



Witnesses
William J. Brown.
Wm. F. Kerne

Inventor
Adam S. Huffman
By his Attorney John H. Roney

UNITED STATES PATENT OFFICE.

ADAM S. HUFFMAN, OF PITTSBURG, PENNSYLVANIA.

DEVICE FOR PREVENTING DISCHARGE OF GAS.

SPECIFICATION forming part of Letters Patent No. 603,993, dated May 10, 1898.

Application filed May 6, 1897. Serial No. 635,439. (No model.)

To all whom it may concern:

Be it known that I, ADAM S. HUFFMAN, a citizen of the United States, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Devices to Prevent the Discharge of Gas; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, in which—

Figure 1 indicates a front elevation of my improvement. Fig. 2 is a side elevation of the same. Fig. 3 is the same in section to show valve and mechanism to operate same. Fig. 4 is a plan view of the same.

My invention relates to devices for preventing the escape of gas in the event of the jet being blown out or otherwise extinguished without closing the supply-cock.

The object of my invention is to produce a simple and efficient device adapted to prevent the discharge of gas in the event of the flame being blown out or otherwise inadvertently extinguished without closing the stop-cock; and to accomplish this purpose my invention consists of the novel construction and arrangement of parts hereinafter described, reference being had to the accompanying drawings, forming part hereof, in which like numerals indicate like parts wherever they occur.

Referring to said drawings, 1 is the ordinary gas-tip, in the side of which near the top thereof is journaled the bell-crank 2. 3 is a stem connected to said crank, to the lower end of which is attached the valve 4, adapted to close the orifice in the lower end of the tip, as hereinafter specified. Upon the outwardly-projecting member of said bell-crank is attached the arm or lever, the free end of which is connected by the chain 5 or other suitable

means to the weighted shaft 6, the upper end of which is provided with outwardly-projecting wings 7, which are formed of aluminium or other light metal. The lower end of said shaft has secured thereto a weight 6'. The lower end of said tip is provided with a shelf 8, on which said weighted shaft is adapted to be placed, in which position the valve is open and the lever elevated.

In the event of an attempt to blow the gas out a draft sufficient to do so would strike the wings of the weighted shaft and cause the same to fall off the shelf and in descending turn the lever and close the valve.

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

1. In a device of the character described, the combination of a gas-tip, a valve therein, a shaft, the upper end of which is provided with outwardly-projecting wings, and the lower end thereof with a weight; a shelf or support for said weighted shaft, and means to connect said shaft and the valve in said tip, substantially as described.

2. In a device of the character described, the combination of a gas-tip having a bell-crank secured in the sides thereof, the said tip being provided with a shelf on the exterior thereof; a valve connected to said bell-crank and adapted to control the opening of said tip; a lever connected to the outer member of said crank; a shaft connected to said lever, the upper end being provided with outwardly-projecting wings, and the lower end with a weight, substantially as described.

In testimony that I claim the foregoing I hereunto affix my signature this 29th day of January, A. D. 1897.

ADAM S. HUFFMAN. [L. S.]

In presence of—

C. A. WILLIAMS,
GEO. B. PARKER.