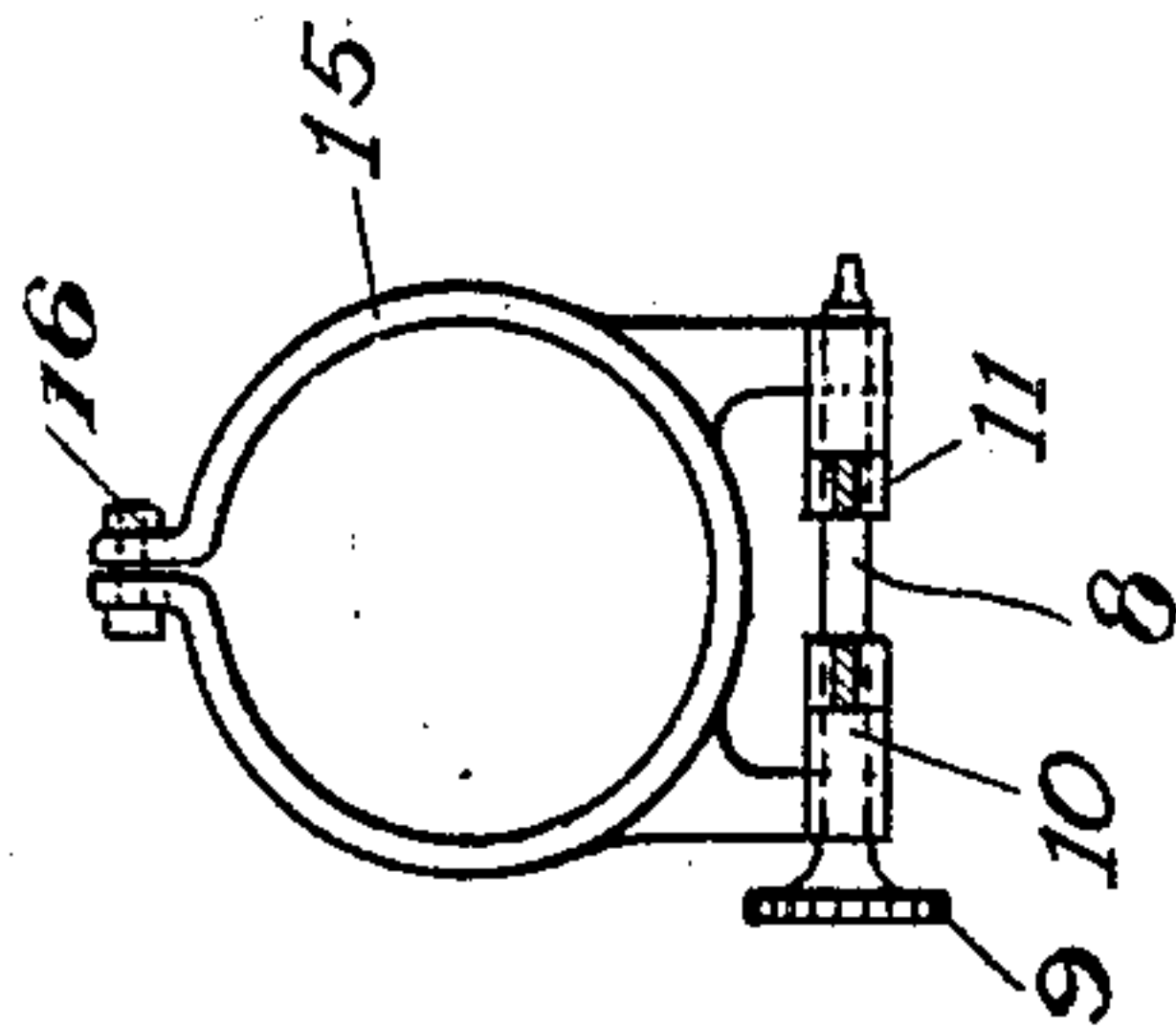
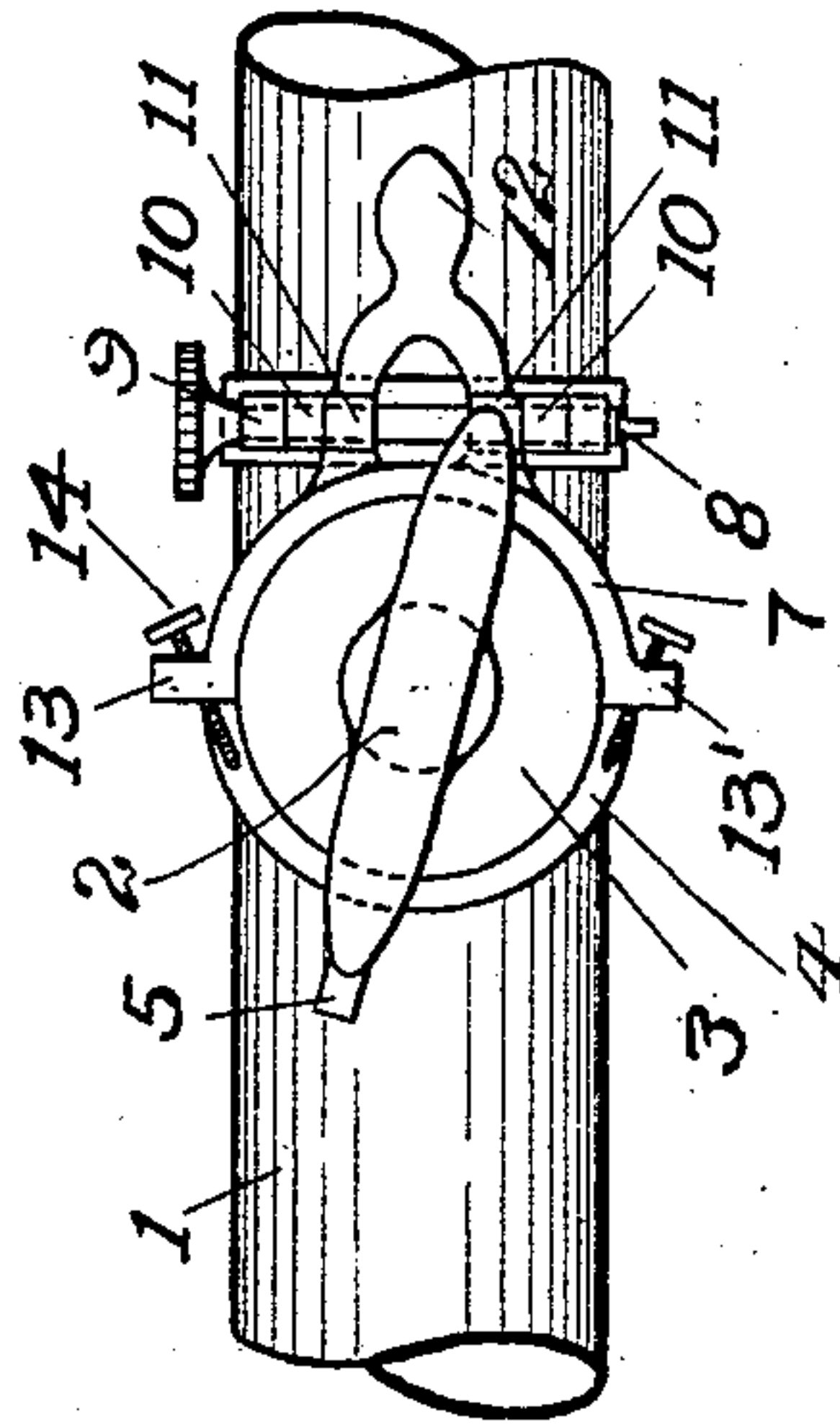
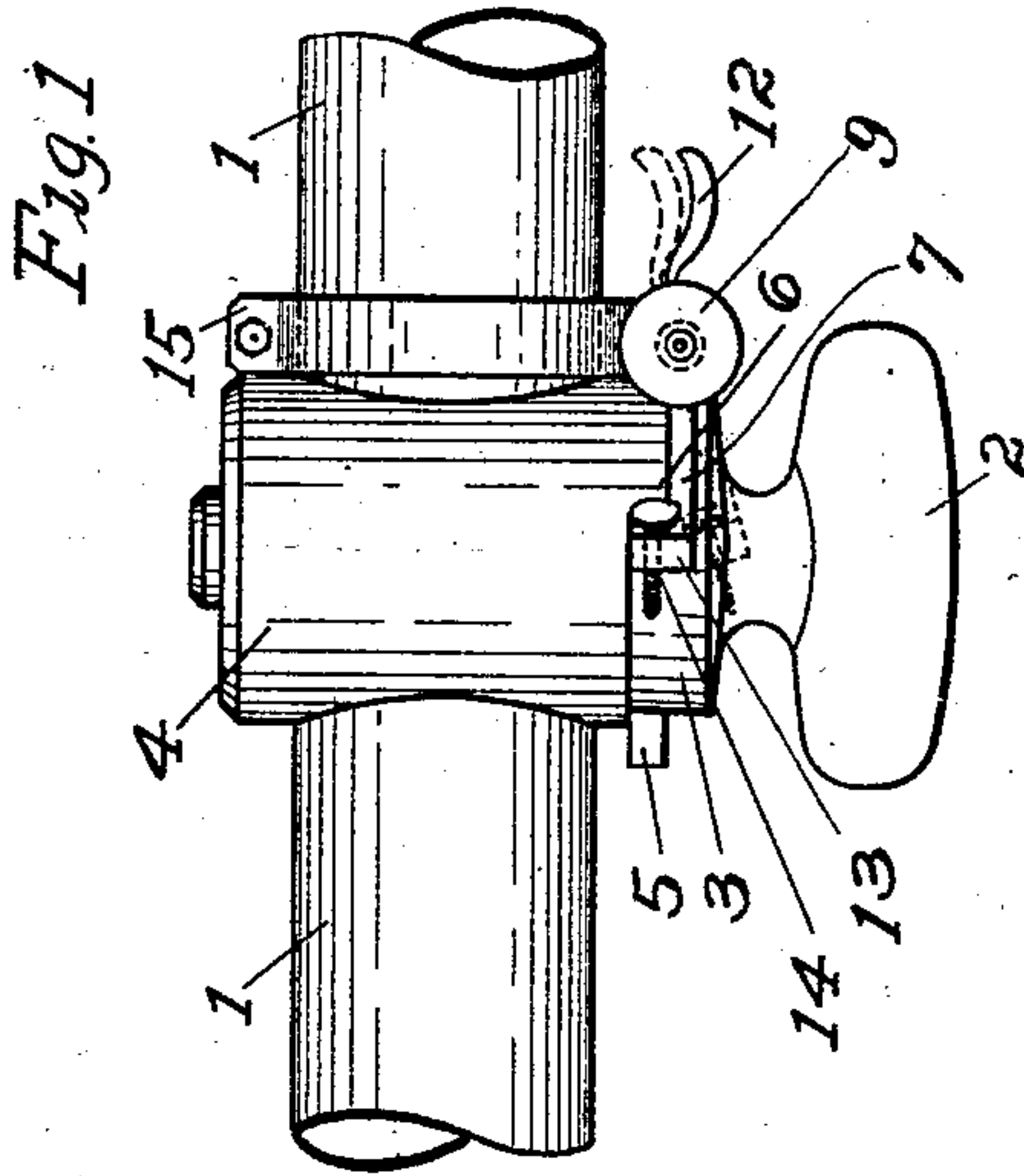


G. GILCHER.
 ADJUSTABLE PILOT LIGHT ATTACHMENT FOR GAS FIXTURES.
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Patented Feb. 16, 1909.



Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE GILCHER, OF RIDGEFIELD PARK, NEW JERSEY.

ADJUSTABLE PILOT-LIGHT ATTACHMENT FOR GAS-FIXTURES.

No. 912,304.

Specification of Letters Patent.

Patented Feb. 16, 1909.

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To all whom it may concern:

Be it known that I, GEORGE GILCHER, a citizen of the United States of America, and a resident of Ridgefield Park, New Jersey, have invented a new and useful Improvement in Adjustable Pilot-Light Attachments for Gas-Fixtures, which improvement is fully set forth in the following specification.

This invention relates to gas-cocks where it is desired to maintain what is known as a "pilot-light". In such contrivances the gas can be turned fully on, yet when the cock is turned the other way, the gas can not be cut completely off, since a small jet continues to burn as a "pilot-light", so-called.

My invention consists of a device suitably constructed and arranged whereby either the gas may be turned low to produce such pilot-light (without any chance of turning it out entirely), or, at will, by a simple manipulation of my device, the gas may be turned off entirely.

The invention will be best understood by reference to the annexed drawings in which—
Figure 1 is a side elevation illustrating one embodiment of my invention affixed to a gas-cock; and Fig. 2 is a bottom view of the same; while Fig. 3 is a transverse section of a detachable device adapted for connection with gas-fixtures already in use.

1—1 represents the ordinary gas-pipe; and 2 the key or handle of the gas-cock having the usual transversely-apertured barrel 3 that turns in the hollow barrel 4, which latter is really part of the gas-pipe 1—1. Upon the barrel 3 is a stud 5 which will abut against either one of the two oppositely-located stops or shoulders 6 formed by cutting away a portion of the barrel 4,—all of which is the ordinary construction now in use.

According to the present invention, I employ a device such as 7 that may be interposed in front of the shoulders 6, so as to intercept the stud 5, to limit the extent of its axial play, and thereby prevent the gas being turned completely off; and this device 7 may at will be moved out of the way, so that the stud 5 may be turned all the way back to either shoulder 6, and thus cut the gas completely off. When the device 7 is in operative position, I have a pilot-light device; when the device is moved into inoperative position, I have an ordinary gas-cock. According to my preferred construction, this device 7 is shown as shaped in general like the letter Y, with its branches constituting

substantially a semi-circle, and its stem serving as a thumb-piece or handle. At the center it is pivoted to a bearing upon the gas-pipe, this bearing being either made integral with the gas-fixture or secured thereto. The drawings indicate this device 7 as pivoted by means of a pin 8 secured by a nut 9 through a plurality of registering bearings 10 and 11 upon the gas-pipe and the device 7, respectively. The thumb-piece 12 serves when pressed against the gas-pipe to move the device out of operative relation with the stud 5. By properly adjusting the nut 9 once for all, sufficient tension is obtained to cause the pivoted device 7 to remain in whatever position it may be placed. When the device 7 is moved into operative relation, and the key 2 is turned as for cutting off the gas, then the stud 5 will abut against one of the two ends 13 (or 13') of the device, so that the gas can not be turned completely off. Set-screws 14 in the ends of the device 7 may be utilized as adjustable stops for the stud 5, so as to vary the extent to which the key 2 may be turned, and thus vary the amount of gas left for the pilot-light.

In Fig. 3 is shown a clip (or other suitable device) 15, to which the device 7 is pivotally secured by the pin 8, which passes through bearings 10 of the clip and bearings 11 of the device 7. This clip may be secured in place on a gas-fixture by a clamping-screw 16 or otherwise. This construction may be manufactured in assorted sizes as a stock article, and employed interchangeably upon ordinary gas-fixtures.

I have explained my invention with some detail, but only for the sake of clearness. Parts of my invention may be used to the exclusion of other parts, and changes may be made in the details of construction and arrangement and additional features may be employed therewith, without departing from the spirit of my invention.

Having thus described my invention, I claim:

1. The combination with a gas-fixture comprising a gas-cock having means to limit its play, of a substantially Y-shaped device carrying a set-screw in the end of each branch and movable into and out of operative relation to said gas-cock to still further limit its play.

2. The combination with a gas-fixture comprising a key having a stud thereon and shoulders against which said stud abuts to

limit its play, of a substantially Y-shaped device pivotally mounted upon said fixture and with its ends movable into and out of position between said stud and the shoulders.

5 3. The combination with a gas-fixture comprising a key having a stud thereon and shoulders against which it abuts to limit its play, of a substantially Y-shaped device
10 pivotally mounted upon said fixture and movable into and out of position in front of said stud, and set-screws projecting from the ends of said device to abut against said stud.

15 4. As an article of manufacture, the herein described interchangeable pilot-light device, comprising a substantially Y-shaped member, and means for securing it pivotally to a gas-fixture so that its ends may be moved
20 into position to limit the play of the key or cock of said gas-fixture.

5. As an article of manufacture, the herein-described interchangeable pilot-light device, consisting of a clip or the like adapted to be secured to a gas-fixture, and a substantially Y-shaped device pivotally mounted upon said clip, as and for the purpose described. 25

6. A clip or the like adapted to be secured to a gas-fixture, and a device pivotally secured thereto and adapted to be moved into and out of operative position for limiting the play of the gas-key of said fixture. 30

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

GEORGE GILCHER.

Witnesses:

C. A. L. MASSIE,
RALPH L. SCOTT.