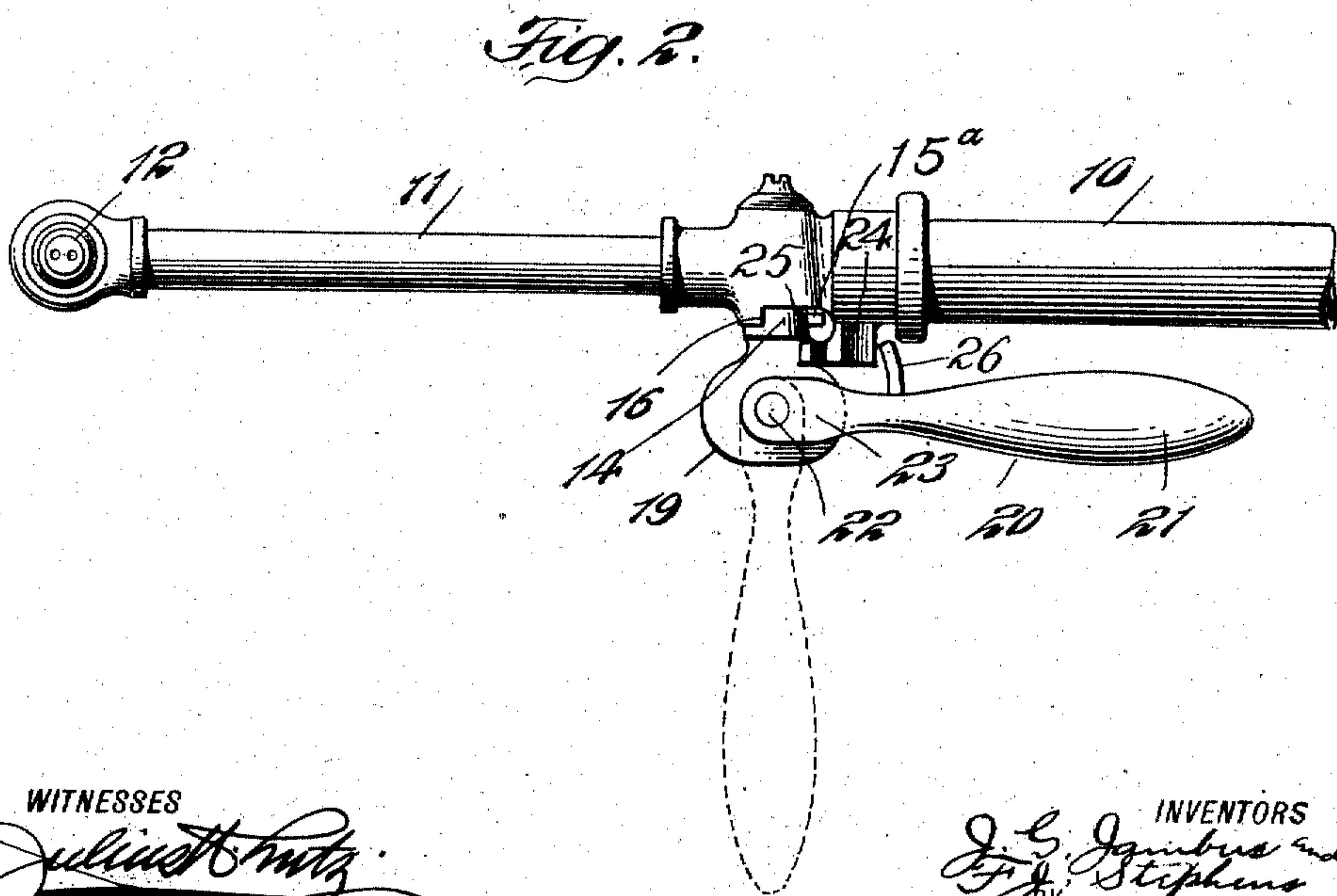
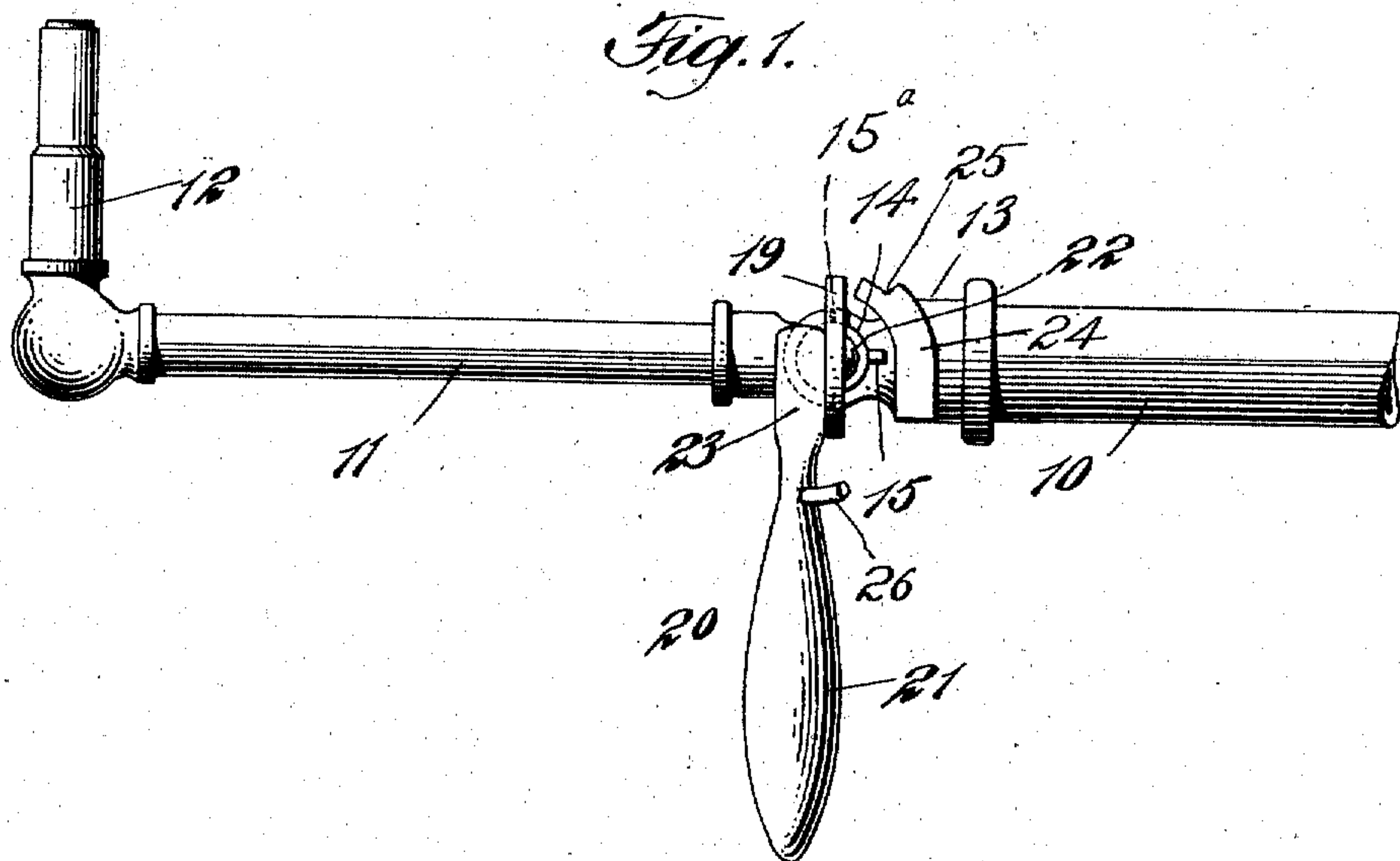


J. G. JAMBAS & F. J. STEPHENS.
SAFETY DEVICE FOR GAS FIXTURES.
APPLICATION FILED APR. 20, 1908.

917,303.

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UNITED STATES PATENT OFFICE.

JOHN G. JAMBAS AND FRANK J. STEPHENS, OF WATERTOWN, NEW YORK.

SAFETY DEVICE FOR GAS-FIXTURES.

No. 917,303.

Specification of Letters Patent.

Patented April 6, 1909.

Application filed April 20, 1908. Serial No. 428,237.

To all whom it may concern:

Be it known that we, JOHN G. JAMBAS, a citizen of the United States, and FRANK J. STEPHENS, a subject of the King of England, and residents of Watertown, county of Jefferson, and State of New York, have invented certain new and useful Improvements in Safety Devices for Gas-Fixtures, of which the following is a full, clear, and exact description.

This invention relates more particularly to a device adapted to be applied to the ordinary gas cock or valve to automatically shut off the gas.

The primary object of the invention is to provide a simple and efficient device which may be readily applied to the handle of the ordinary form of gas cock forming a part of the usual gas fixture, in such a way as will prevent the gas from being accidentally turned on, and which is adapted to hold the gas plug or valve to permit the burner to remain lighted at will, but in case of partly closing the same the said device will automatically force the cock to a closed position so as to entirely shut off the gas, thereby preventing the possibility of an accident due to the gas being turned on, and also serving to economize in the use of gas.

A further object of the invention is to provide a weight which is so arranged on the handle of the cock that the latter may be either in a closed, partly closed, or an open position, and which when once in a closed position will hold the same to prevent accidental movement thereof.

The invention will be hereinafter more particularly described with reference to the accompanying drawings, which form a part of this specification, and will then be pointed out in the claims at the end of the description.

In the drawings, Figure 1 is an elevation showing the position of one form of fixture when the gas is turned off; and Fig. 2 is a plan view showing the position of the device when the gas is turned on.

The supply pipe 10 may have the usual gas fixture 11, which may be of any suitable form, and to which the invention is applied, or said device may be employed in connection with cocks or similar devices used to cut off the supply of gases or fluids of various kinds. As shown the device is applied to the ordinary fixture 11, which has the usual burner 12, and a suitable cock com-

prising a casing 13 and a valve plug or member 14. The plug has a rotary movement as usual, and is provided with pins 15 and 15^a forming a stop to limit the movement of the plug, and which is adapted to engage the shoulders 16 arranged in the casing, and to operate the plug is the handle 19, which may be of the usual or of any preferred construction.

To shut off the gas automatically or to hold the valve or plug in either an open or a closed position, we provide a device 20. This device is provided with a weighted handle portion 21, and is pivoted at 22 to the plug handle 19 or other part thereof, so that said device may swing freely on its pivot and be placed in different positions. The device 20 has its end 23 adapted to rest on the handle or other part 19 of the plug, and in this position, whether that shown in full lines or that shown in dotted lines of Fig. 2, it will hold the plug open to permit a full flow of the gas; while if the part 19 is given a slight movement or the device 20 moved opposite to that shown in Fig. 2, the weighted part 21 will automatically throw the cock to a closed position so as to entirely shut off the gas as shown in Fig. 1. By this means the plug can be held in either position, and the liability of being turned on after once shut off is reduced to a minimum, as any movement of the plug will cause the device 20 to restore the plug to its closed position.

The plug 14 may be held in one or more intermediate positions. As shown the casing 13 is provided with a projecting guide, arc or device 24, and in this arc is a notch 25 which is adapted to be engaged by a pin or pawl 26 carried by the device 20. There may be more than one notch 25 and by means of said notches and the pin the plug 14 may be held in one or more intermediate positions between the closed and full open position. As the device 20 is pivoted at 22, the said device may be moved so as to remove the pin 26 out of the path of the arc if so desired.

From the foregoing it will be seen that simple and efficient means is provided whereby a gas cock or other controlling device may be positively held in either a closed, open or an intermediate position, and which is so made that the device will automatically shut off the gas unless placed in a certain position, thus avoiding liability to accidents.

Having thus described our invention, we claim as new and desire to secure by Letters Patent:—

1. In a safety device for gas fixtures the combination with a valve casing, and a cut-off plug rotatably mounted therein, and provided with a key or handle, of a weighted member pivotally mounted on one face of said key or handle and arranged to be shifted relatively to the axis of the plug to hold the latter open or closed as the case may be.

2. In a safety device for gas fixtures, the combination with a valve casing, and a cut-off plug rotatably mounted therein and provided with a key or handle, of a weighted member secured to one face of said key or handle and arranged to hold the plug open or closed as the case may be.

3. In a safety device for gas fixtures, the combination with a valve casing, and a cut-off plug rotatably mounted therein, and provided with a key or handle, of a weighted member pivotally mounted on one face of said key or handle, and arranged to be shifted relatively to the axis of the plug to hold the latter open or closed as the case may be, and means for locking said weighted member against movement.

4. In a safety device for gas fixtures, the combination with a valve casing, and a cut-off plug rotatably mounted therein and provided with a key or handle, of a weighted member pivotally mounted on one face of said key or handle and arranged to be shifted relatively to the axis of the plug to hold the latter open or closed as the case may be, a pin carried by said weighted member, and means carried by said casing for engaging said pin.

5. In a safety device for gas fixtures, the combination with a valve casing, and a cut-off plug rotatably mounted therein and provided with a key or handle, of a weighted member pivotally mounted on one face of said key or handle and arranged to be shifted relatively to the axis of the plug to hold the latter open or closed as the case may be, a pin carried by said weighted member, and a notched member carried by said casing for engaging said pin.

This specification signed and witnessed this 16th day of April A. D. 1908.

JOHN G. JAMBAS.

FRANK J. STEPHENS.

Witnesses:

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