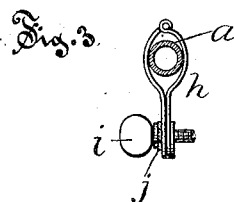
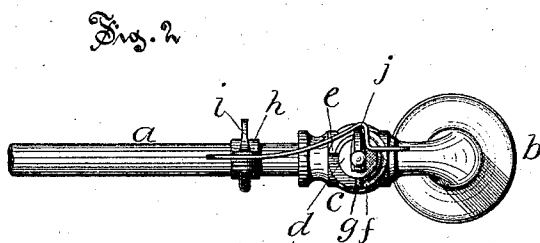
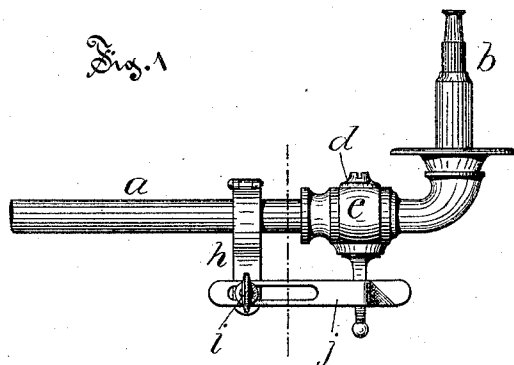


(No Model.)

A. E. MORGAN.
GAS COCK.

No. 306,344.

Patented Oct. 7, 1884.



Witnesses:

W. M. Parkman,
Ed. J. Dimock

Inventor:

Alfred E. Morgan,
By Simonds & Burdett,
attys.

UNITED STATES PATENT OFFICE.

ALFRED E. MORGAN, OF HARTFORD, CONNECTICUT.

GAS-COCK.

SPECIFICATION forming part of Letters Patent No. 306,344, dated October 7, 1884.

Application filed March 24, 1884. (No model.)

To all whom it may concern:

Be it known that I, ALFRED E. MORGAN, of Hartford, in the county of Hartford and State of Connecticut, have invented a certain new and useful Improvement Pertaining to Gas-Cocks, of which the following is a description, reference being had to the accompanying drawings, where—

Figure 1 is a side view. Fig. 2 is a bottom view, with a portion of the cock-handle represented as broken away so as to show beneath it the pin which operates in connection with the stationary stops. Fig. 3 is a view of the device in vertical section, cutting the gas-pipe between the cock and the pipe-clamp, and looking toward the pipe-clamp.

This is a device intended more particularly for use in connection with the cocks appurtenant to gas-burners, and intended to prevent the gas-cock from being left open when a person intends to close it.

In the drawings, the letter *a* denotes a gas-pipe, and *b* a burner, between which is the cock *c*, carrying the rotary cock-plug *d*. The body of the cock is provided with two stationary stops, *e* and *f*. The cock-plug bears a pin, *g*, intended to co-operate with the two stationary stops just mentioned. When the pin *g* bears against the stationary stop *e*, the cock is open and gas is flowing through it. When the pin *g* bears against the stationary stop *f*, the cock is shut and the flow of gas is stopped.

The letter *h* denotes a pipe-clamp—that is, a clamp for attachment upon the gas-pipe—composed of two parts hinged together, with an opening between these two parts approaching an oval in shape, so that the clamp may be attached to gas-pipes of different diameter. The clamp is pulled together at its lower end by the clamp-screw *i*. This pipe-clamp is a support for the spring-stop for the cock-plug, shortly to be described.

The letter *j* denotes this spring-stop, attached by the screw *i* to the pipe-clamp.

It will be readily understood that when the pin *g* is against the stationary stop *f* and the spring-stop is in the position shown in the draw-

ings the cock-plug is locked from rotation in its shut position, effectually preventing any accidental opening of the cock, and effectually preventing a person from accidentally leaving the cock open in attempting to shut it.

When a person desires to open the cock, he presses the spring-stop back with his forefinger, releasing the handle of the cock-plug from its grasp, and immediately and by substantially the same motion turns the cock-plug to its open position.

The spring-stop is made longitudinally adjustable by means of the slot *k*, through which runs the screw which attaches the spring-stop to the pipe-clamp. This longitudinal adjustment is desirable, and even necessary, in locating the device upon a gas-pipe. The free end of the spring-stop is also laterally adjustable (“laterally” in the present instance meaning vertically) for the purpose of adapting it to cock-plugs of different length.

I claim as my improvement—

1. In combination with a gas-burner, the rotary cock-plug *d* and the spring-stop *j*, attached to the pipe, and bearing an arm that engages the handle of the plug, all substantially as described, and for the purpose set forth.

2. In combination with a gas-burner, the rotary cock-plug *d*, bearing a stop-pin, *g*, the stationary stop *e* on the body of the plug, and the spring-stop *j*, attached to the gas-pipe, whereby the plug is held in both its opened and its closed position, all substantially as described.

3. In combination with a gas-burner, the rotary cock-plug *d* and the longitudinally and laterally adjustable spring-stop *j*, whereby the cock-plug is held either open or shut, all substantially as described.

4. In combination, the rotary cock-plug *d* and the longitudinally-adjustable spring-stop *j*, substantially as described, and for the purpose set forth.

ALFRED E. MORGAN.

Witnesses:

A. C. TANNER,
W. E. SIMONDS.