

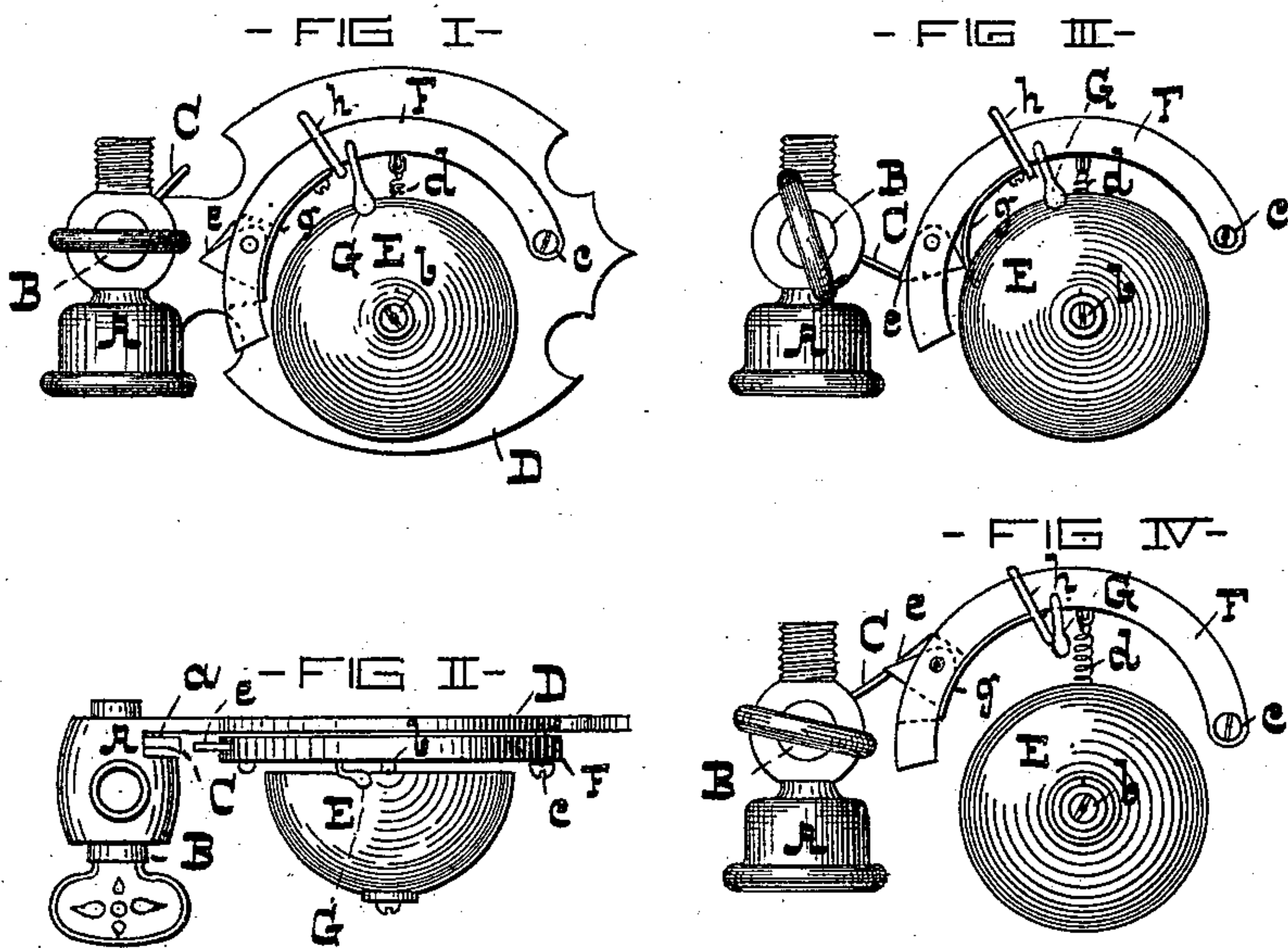
(No Model.)

W. M. SANNER.

ALARM GAS COCK.

No. 355,558.

Patented Jan. 4, 1887.



-WITNESSES-

David Fisher

Warren Ross

-INVENTOR-

William M. Sumner

by G. W. H. Howard.  
Atty -

# UNITED STATES PATENT OFFICE.

WILLIAM M. SANNER, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-HALF  
TO GRIFFITH FEELEMYER, OF SAME PLACE.

## ALARM GAS-COCK.

SPECIFICATION forming part of Letters Patent No. 355,558, dated January 4, 1887.

Application filed June 29, 1886. Serial No. 206,664. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM M. SANNER, of the city of Baltimore, and State of Maryland, have invented certain Improvements in Alarm Gas-Cocks, of which the following is a specification.

The object of this invention, in common with others of its class, is the construction of a gas-cock that will automatically cause an alarm when the gas is shut off by turning the key; and the said invention consists in certain details of construction of the improved cock, as will hereinafter fully appear.

In the drawings forming a part hereof, Figure I is a front view of the improved alarm gas-cock. Fig. II is a top view of Fig. I. Figs. III and IV are front views with the back plate which carries the cock and the alarm attachments removed, and showing the alarm devices in two different positions.

A is the shell of the cock, and B the key, which in itself is of ordinary construction.

C is a spur projecting from the key B, to effect the movement of the alarm devices hereinafter described and to limit the movement of the key to one-quarter of a full revolution. To enable this spur to limit the movement of the key, the notch *a*, in which the spur is situated, is of such extent as to admit of a movement of the key only equal to ninety degrees.

D is a plate projecting from the shell A of the cock, to which the gong E is secured by means of a stem, *b*.

F is a curved arm pivoted at *c* to the plate D, and connected to the gong-stem *b* by means of a spiral spring, *d*. The free end of the arm F is provided with a pawl, *e*, in which its outer movement is limited by its rear end striking against the rear side of the slot, as shown in Figs. I and IV. A spring, *g*, serves to yieldingly retain the pawl *e* extended.

G is a hammer attached to the curved arm F, to sound the gong. The arm F is guided by means of a staple, *h*, on the plate D.

As the key is turned to open the cock the spur C forces in the pawl *e* and then passes it. When the key is turned to open the cock, the spur engages with the pawl *e*, and as the said pawl cannot be moved out beyond its normal position the curved arm is carried out with its hammer until the gas is fully shut off, when the spur passes the pawl, and the arm being released, springs back to its original position and strikes the gong.

I claim as my invention—

In combination with the shell A and the key B, having the spur C, the plate D, stem *b*, gong E, curved arm F, pivoted to the plate D, hammer G, attached to the curved arm F, and the spring-pawl *e*, situated in a slot in the arm F, substantially as specified.

WILLIAM M. SANNER.

Witnesses:

WM. T. HOWARD,  
DANL. FISHER.