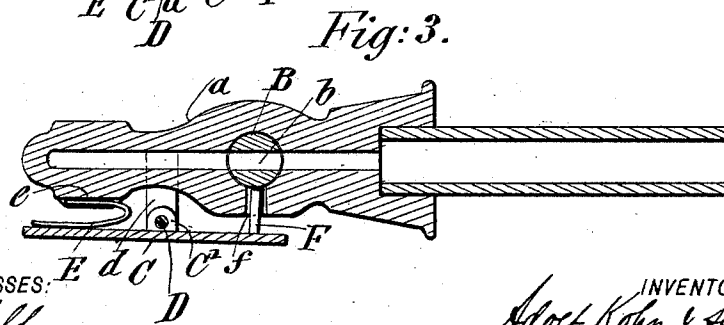
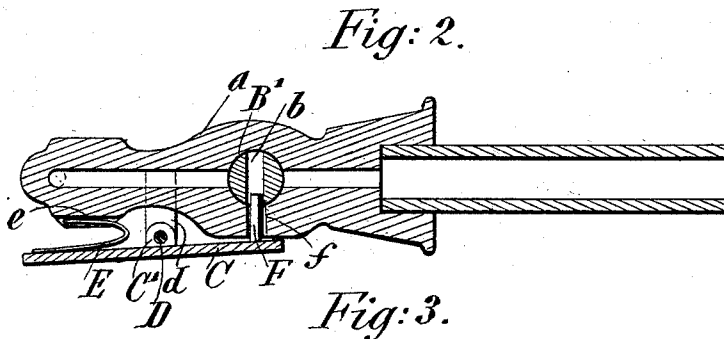
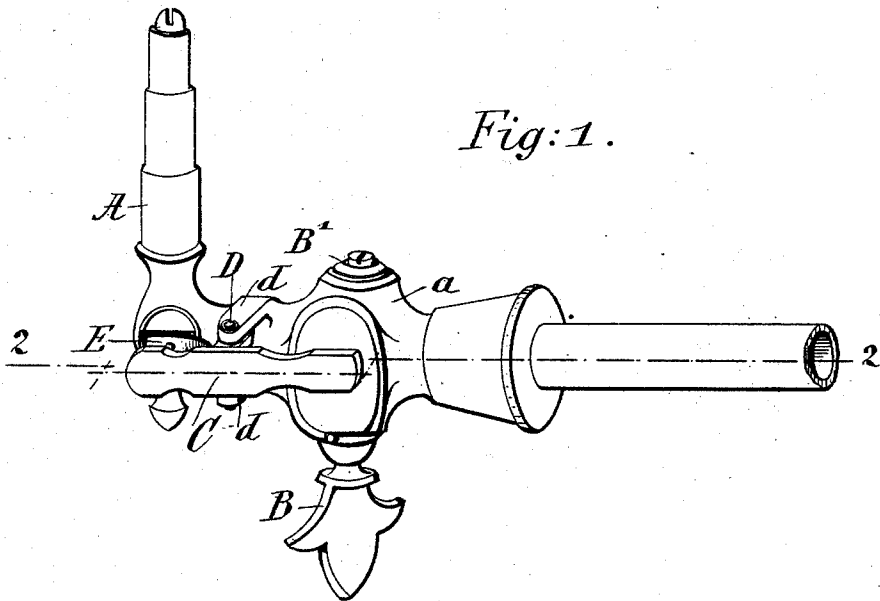


(No Model.)

A. & S. KOHN.
SAFETY DEVICE FOR LOCKING GAS COCKS.

No. 527,206.

Patented Oct. 9, 1894.



WITNESSES:
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UNITED STATES PATENT OFFICE.

ADOLF KOHN AND SAMUEL KOHN, OF NEW YORK, N. Y., ASSIGNORS OF
ONE-THIRD TO LEOPOLD BURGER, OF SAME PLACE.

SAFETY DEVICE FOR LOCKING GAS-COCKS.

SPECIFICATION forming part of Letters Patent No. 527,206, dated October 9, 1894.

Application filed January 23, 1894. Serial No. 497,757. (No model.)

To all whom it may concern:

Be it known that we, ADOLF KOHN and SAMUEL KOHN, citizens of the United States, residing in the city, county, and State of New York, have invented certain new and useful Improvements in Safety Devices for Locking Gas-Cocks, of which the following is a specification.

Our invention relates to safety devices for locking gas-cocks, whereby when the gas is turned off, the cock is positively and safely locked, so that it can only be operated intentionally and cannot through accident be left open so as to waste the gas; and, its object is to provide a simple, efficient and conveniently operated device for that purpose, whereby the plug of the cock may be unlocked simultaneously with the turning of its key.

Our invention consists in a spring-actuated finger-lever which is mounted on the barrel of the cock in such position as that a locking-pin which projects therefrom may pass through a hole in the barrel and engage in the gas-passage extending through the plug-valve of the cock, as will be hereinafter particularly described and then specified in the claims.

In the accompanying drawings:—Figure 1 is a perspective view of a gas-burner and its cock, the same being provided with our improved safety-device. Fig. 2 is a longitudinal section on the line 2—2, of Fig. 1, showing the plug turned to shut off the gas, and Fig. 3 is a similar section, showing the gas turned on.

Similar letters of reference indicate corresponding parts.

The drawings represent an ordinary form of gas-burner A, and cock, consisting of the barrel *a*, key B and the plug B', which turns within the barrel *a* and is provided with the transverse gas-passage *b*.

Our improvement consists in the horizontally arranged catch or finger-lever C which has at its under side a lug C' transversely through which passes a pivot-pin D, that also passes through a pair of lugs *d, d*, located on the barrel *a* between the burner A and the plug B'. The pivotal connection of the finger-lever is located at about its midlength,

so that a spring E secured to the base of the burner under one end of the lever, may press outwardly on said end and project the locking-pin F on the other end of the lever into a hole *f* bored through the side of the barrel *a*. This hole *f* is located in the same plane as the gas-passage *b* of the plug, so that when the latter is turned to shut off the gas, said passage will register with said hole and permit the locking-pin F to spring into the passage, thereby securing the cock against being accidentally opened and guarding against the escape of gas.

To turn on the gas it is only necessary to press on the outer end of the catch or lever so as to counteract the pressure of the spring E, thereby removing the locking pin from the gas-passage of the cock and permitting the latter to be freely turned.

The spring E is V-shaped, its inner end being set into a recess *e* made in the base of the burner and its angle being located between the lugs *d, d*, to which the finger-lever is pivoted. In this manner the spring is firmly held in position under the lever.

The improvements are applicable to the ordinary form of gas-cock, which is capable of a half-revolution, so that the gas may be turned on in two positions of the key and may be shut off when the key is given a quarter revolution. The key or plug is not affected in the least by the change and the only hole made in addition is that formed in the side of the barrel of the cock. The finger-lever is arranged in such position, *i. e.* transversely of the plug, as that by a little practice the same may be readily operated simultaneously with the turning of the key, and the operator is thereby enabled to light the match with one hand and turn on the gas with the other in the usual way.

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

1. The combination, with a gas-cock, consisting of the barrel, the plug and its key, said plug having a gas-passage and said barrel having a hole located in the same plane as the gas passage, and wherewith the latter is adapted to register when the plug is turned, of a spring-actuated lever pivoted on

the barrel of the cock and provided with a locking-pin adapted to pass through said hole and normally engage in either end of said gas-passage, substantially as set forth.

- 5 2. The combination, with a gas-cock and the burner, said cock consisting of the barrel having a hole in one side, the plug and its key said plug having a gas-passage, of a lever pivoted on the barrel, a V-shaped spring
10 adapted to act on one end of the lever, the base of said burner having a recess in which the inner end of the spring is permanently

fixed, and a locking-pin on the other end of said lever, adapted to pass through said hole and normally engage in either end of said gas-passage, substantially as set forth. 15

In testimony that we claim the foregoing as our invention we have signed our names in presence of two subscribing witnesses.

ADOLF KOHN.
SAM. KOHN.

Witnesses:

PAUL GOEPEL,
GEO. S. WHEELOCK.