

P. A. CHAMBEAUX.

Apparatus or Cocks with Safety-Plugs.

No. 146,045.

Patented Dec. 30, 1873.

Fig. 1.

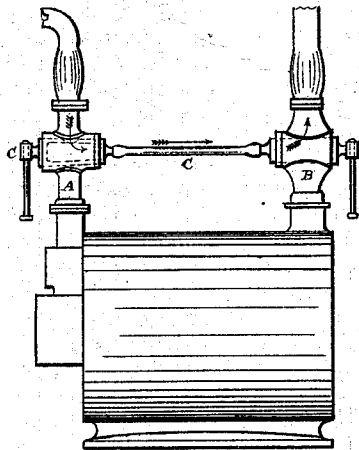
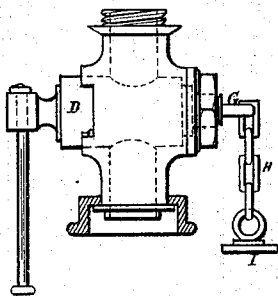


Fig. 2.

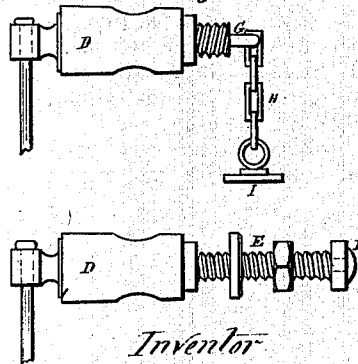


Witnesses.

Walter Philip Reeve Mauley.

Wm. Ledy

Fig. 3.



Inventor

P. A. Chambeaux

by *W. Ledy*

his Attorney in fact

UNITED STATES PATENT OFFICE

PIERRE A. CHAMBEAUX, OF PARIS, FRANCE.

IMPROVEMENT IN APPARATUS OR COCKS WITH SAFETY-PLUGS.

Specification forming part of Letters Patent No. **146,045**, dated December 30, 1873; application filed February 28, 1873.

To all whom it may concern:

Be it known that I, PIERRE AUGUSTE CHAMBEAUX, of Paris, in the Department of the Seine and Republic of France, have invented an Improved Apparatus or Cock with Safety-Plug for Preventing Fraud in the Consumption of Lighting-Gas, of which the following is a specification:

My invention relates to the combination of the plug with the body of a cock in such a manner that while the plug may be withdrawn from its seat for inspection and cleaning, it cannot be wholly removed and another plug substituted without destroying some portion of the apparatus; the object of my invention being to prevent the fraud of obtaining gas before it has passed through the meter by means of a union with plug in the cock on the pipe leading to the meter and another in the cock on the pipe leading from the meter.

Figure 1 is a front elevation of an arrangement by which the above-mentioned fraud may be practiced. Fig. 2 is a side elevation of a cock embodying my invention, and Fig. 3 is a side elevation of another cock also embodying my invention.

A, Fig. 1, is the cock fitted by gas company; B, the cock fitted by the consumer; C, the union with plugs *c c*, substituted in lieu of the ordinary plugs. By this arrangement no gas is passed through the meter; and it will be evident that the consumer can withdraw these plugs, which divert the gas from its proper

course, and at a moment's notice replace the original ones, permitting the gas to follow its proper course through the meter. By adopting this plan a fraudulent consumer need only pay the company for such quantity of gas as he may think sufficient to prevent his fraud becoming manifest.

D, Figs. 2 and 3, is a plug embodying my invention; E, rod or screw, of one piece with the plug, and having a shoulder, F, riveted or brazed to its end, to serve as a stop. As this rod or screw E might be, in some cases, inconvenient, I substitute the ring G, Fig. 2, having a chain or link, H, permanently fixed to it, this chain carrying a knob or button, I, to form a stop. It will be evident that this plug D can be easily withdrawn from its seat until the shoulder F on the knob I comes against the body of the cock, but cannot be wholly removed without breaking off the shoulder or knob.

I give preference to the combination illustrated in Fig. 2, but the modification thereof (shown in Fig. 3) may be found more suitable; but

I claim as my invention—

The combination, with the plug D, of the ring G, chain H, and knob I, substantially as described, and for the purposes set forth.

A. CHAMBEAUX.

Witnesses:

A. LANDARY,
GEO. BARNWELL.