

No. 612,613.

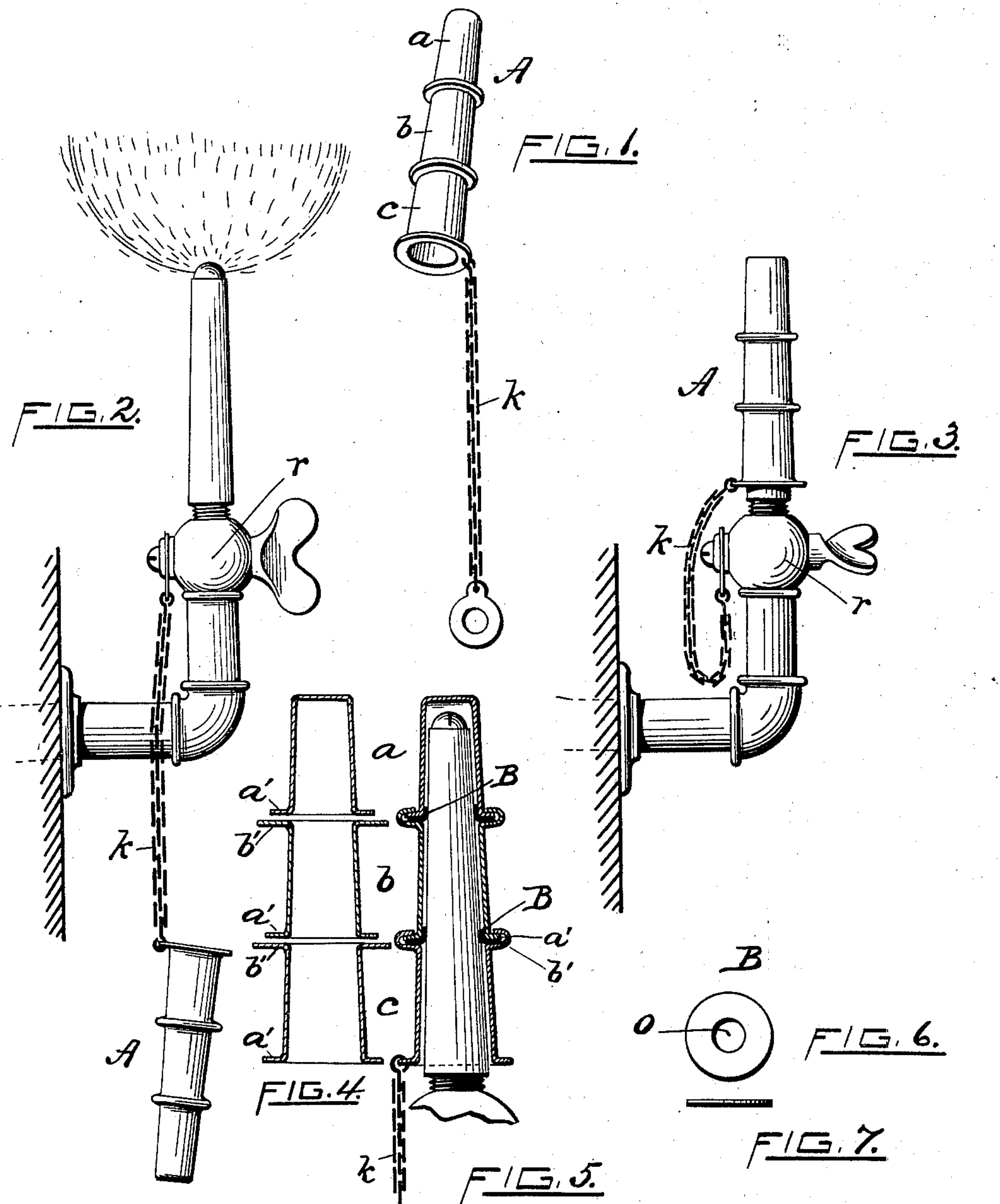
Patented Oct. 18, 1898.

J. OLSON.

SAFETY CAP FOR GAS BURNERS.

(Application filed Mar. 2, 1898.)

(No Model.)



WITNESSES.

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UNITED STATES PATENT OFFICE.

JOHN OLSON, OF PROVIDENCE, RHODE ISLAND.

SAFETY-CAP FOR GAS-BURNERS.

SPECIFICATION forming part of Letters Patent No. 612,613, dated October 18, 1898.

Application filed March 2, 1898. Serial No. 672,314. (No model.)

To all whom it may concern:

Be it known that I, JOHN OLSON, of the city and county of Providence, in the State of Rhode Island, have invented a certain new and useful Improvement in Safety-Caps for Gas-Burners; and I do hereby declare the following to be a specification thereof, reference being had to the accompanying drawings, in which—

10 Figure 1 is a perspective view of the cap. Fig. 2 is a side elevation of a gas-pipe, the cap being disconnected from the tip, as when not in use. Fig. 3 is a similar view and showing the cap in position over the tip of the burner, as in use. Fig. 4 is an enlarged central vertical section of the three tubes separate from each other. Fig. 5 is a central vertical sectional view of the cap complete, as attached on the gas-burner, which is shown in elevation. Figs. 6 and 7 represent a top plan and edge view, respectively, of one of the rubber packing-washers.

Similar letters of reference indicate like parts in the drawings.

25 My invention consists in the combination, with a gas-burner, such as used in dwellings for illuminating purposes, of a metallic tube comprising three sections with two independent rubber washers having an orifice in each of a lesser diameter than the tube, said washers being firmly secured between the sections of the tube, adapted for the purpose of closing over the gas-burner when not in use, and thereby preventing asphyxiation through the leakage of gas that might escape therefrom.

35 In the drawings, A designates the cap, which I preferably make of brass-drawn tubing, divided into three separate sections *a*, *b*, and *c*. The top section *a* has its upper end closed and provided on its lower portion with an annular flange *a'*. The center and bottom sections *b* and *c* are both constructed similar to each other, each being provided with top and bottom annular flanges *a'* and *b'*, respectively, the flanges *b'* being somewhat larger in diameter than the flanges *a'*.

Between each set of flanges *a' b'* of the sections I place a rubber washer B, having a central aperture *o*, (see Figs. 5 and 6,) the larger flange *b'* being turned upwardly and overlapping the flange *a'*, after which the said three parts are circumferentially compressed, securing the washers firmly in place. At the bottom of the cap is provided a flange *a'*, to which a chain *k* is connected, and having its opposite end secured in a suitable manner to the gas-pipe.

My invention is particularly adapted for consumers of illuminating-gas used in dwellings, for as it frequently happens a leakage of gas occurs, endangering the lives of people by asphyxiation.

As will be readily understood, my device overcomes such an evil, for as the cap is pressed down over the gas-tip the rubber washers are compressed upwardly through their central orifices and against the circumferential surface of the burner in the manner illustrated in Fig. 5, thereby doubly sealing any leakage of gas that might escape from the tip through carelessness or otherwise.

Having described my invention, what I claim is—

The herein-described attachment for gas-burners, consisting, essentially, in providing a tube divided into three separate sections *a b c* having annular flanges *a' b'* formed on the ends of the sections adjoining and overlapping each other, with a rubber washer B secured between each pair of said flanges and having a central circular aperture *o* of a lesser diameter than the tube, so constructed that each inner edge of the washers is compressed upwardly against the surface of the burner when placed thereon, substantially as shown and described.

JOHN OLSON.

Witnesses:

JOHN J. CONNLY,
VICTOR DE LA BARRE.