F. JARECKI.

CUT-OFF FOR GAS AND WATER PIPES.

No. 190,868. Patented May 15, 1877.

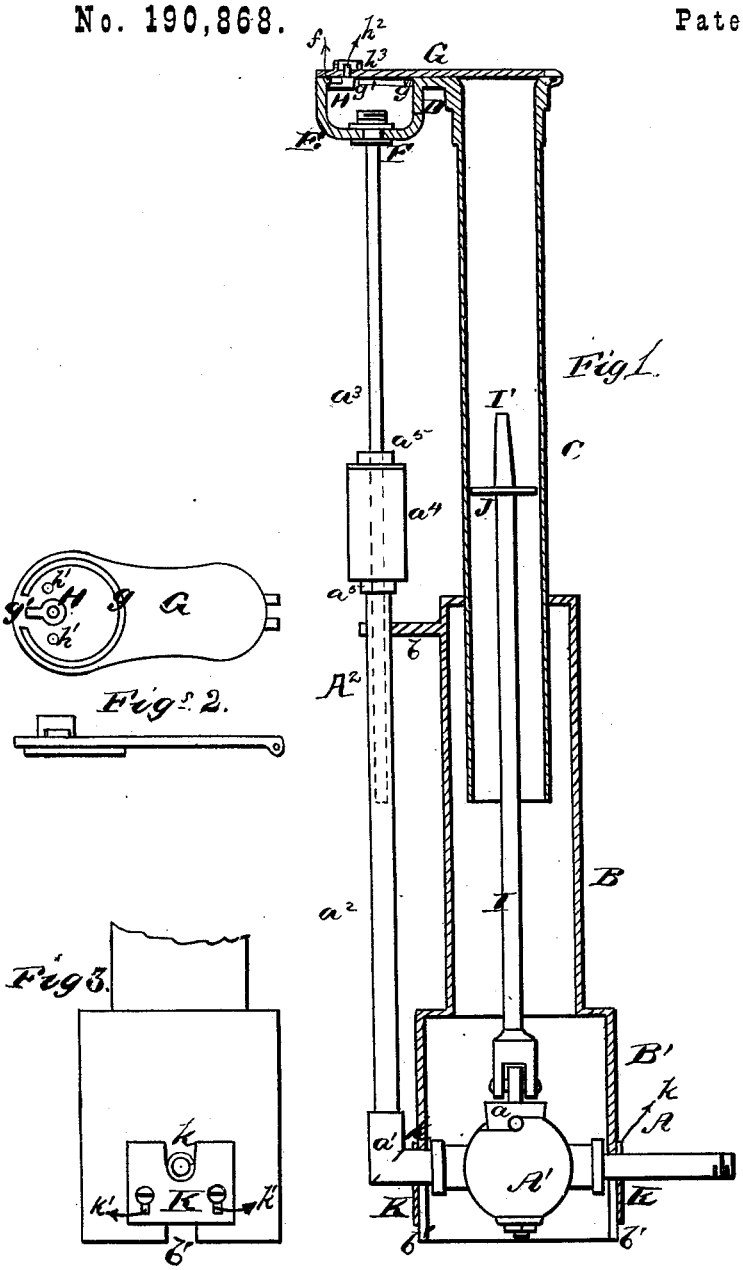

Fig 1.

Fig 2.

Fig 3.

WITNESSES

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IMPROVEMENT IN CUT-OFFS FOR GAS AND WATER PIPES.

Specification forming part of Letters Patent No. **190,868**, dated May 15, 1877; application filed March 24, 1877.

To all whom it may concern:

Be it known that I, FREDERICK JARECKI, of Erie, in the county of Erie and State of Pennsylvania, have invented a new and valuable Improvement in Cut-Offs for Gas and Water Pipes; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a central vertical section of my cut-off for gas and water pipes. Figs. 2 are detail views thereof, and Fig. 3 is a side view of the lower casing or chest of my cut-off for water and gas pipes.

This invention relates to street washers or hydrants; and consists mainly in the combination of a street-washer having extensible water-pipe and an extensible cut-off casing; also, in adjustable extension-pipes, whereby said street-washers are adapted to be used with main pipes laid at different depths. It also consists in certain casings and guides for the cut-off rods of said washers, as hereinafter fully set forth.

In the accompanying drawings, A^1 designates a pipe, which is provided with a vertical cock or cut-off, *a*, and an elbow, a^1, where a vertical extension-pipe, A^2, is attached. Said extension consists of a lower section, a^2, and a smaller upper section, a^3, which is adapted to be telescoped within said lower section, so as to lengthen or shorten the said extension A^1, so as to conform to the depth at which pipe A is laid. These sections are connected and braced by a coupling-sleeve, a^4, that is provided with internal packing to prevent leakage at the joint. Said coupling-sleeve is held in place by nuts a^5 a^5, which work in screw-threads on said sections a^2 a^3. The lower section a^2 is braced by a bracket or arm, *b*, extending horizontally from a vertical cylindrical casing, B, which has at its lower end an expansion or chest, B′, that surrounds said cock or cut-off *a*. C designates a guide-cylinder which extends down into casing B, and also considerably above the same. From the upper end of said cylinder C a flat plate, D, extends to pipe-section a^3. Said plate has a cup, E, formed thereon, and the upper end of said section is connected to said cup by a coupling-sleeve, F. The upper end of said pipe-section a^3 is provided both with internal and external screw-threads, so that a pipe may be screwed into it or coupling screwed on it.

On the inside of the rim of said cup is formed a catch, *f*. G designates a flat cover, hinged at one end to the top of guide-cylinder C, and corresponding in outline to that of plate D and cup E. Said cover is provided with an annular flange, *g*, which sets within said cup E, and which is broken away at *g′* to allow catch *f* to extend inward. The under side of said plate is also provided with a horizontal button, H, which works across said space, its play being limited by studs h^1 h^1. Said button is operated by a small prismatic shank, h^2, which extends up through cover G, and is protected by a raised fixed collar, h^3. When said button is turned half round it passes under lip or catch *f*, and locks cover G down on the cup E, and the other devices above described. When turned farther in either direction it passes from under said lip, and allows said cover to be opened.

I designates the rod for operating the cut-off cock *a*, to which it is attached at its lower end. The upper part of said rod is provided with a rigid guide-collar, J, which fits within guide-cylinder C, and keeps rod I vertical, so that the wrench hereinafter described will readily take hold of said rod when inserted in cylinder C. The upper end of said rod is flattened at I′ so as to fit said wrench.

Chest or casing B′ is detachable from pipe A, being provided with opposite slots *b′* *b′*, extending upward from its bottom. After said parts A and B′ are set together, as shown, two plates, K K, are attached to casing or chest B′ across said slots below said pipe. These plates have curved recesses *k* on top, conforming to the curve of said pipe. They are also provided with vertical slots k^1, which allow them to be moved up or down over clamping-screws k^2.

It will be observed that the telescoping-pipe a^3 of the street-washer pipe A^2 is attached to an extension at the upper end of the extensi-

ble cut-off casing C, and the lower section a^2 of said street-washer pipe is attached to an elbow, a^1, which is connected with the main water-pipe. By this connection of the street-washer above and below with the cut-off casing, I am enabled to raise or lower the street-washer and cut-off casing simultaneously.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, substantially as hereinbefore described, of a street-washer, having extensible water-pipe and an extensible cut-off casing, whereby the street-washer pipe and casing can be adjusted together simultaneously.

2. A street washer or hydrant, provided with a vertical extension water-pipe, which is adapted to be lengthened or shortened at will, and communicating with the main pipe, substantially as and for the purpose set forth.

3. Cut-off rod I, having collar J and flattened upper end I′, in combination with cock *a* and cylinder C, substantially as and for the purpose set forth.

4. The combination of cover G, having button H, with cup E, having lip *f*, plate D, and tube C, substantially as set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

FREDERICK JARECKI.

Witnesses:

JACOB F. WALTHER,

JAMES D. TOUHY.