

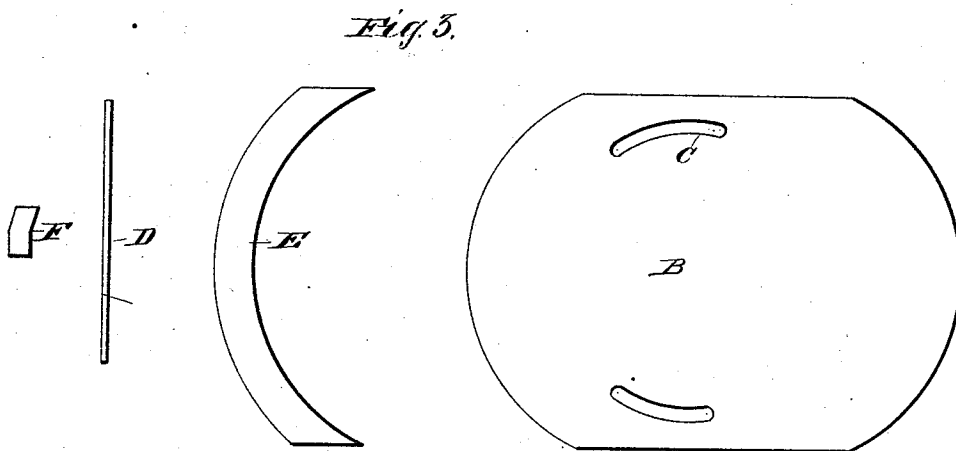
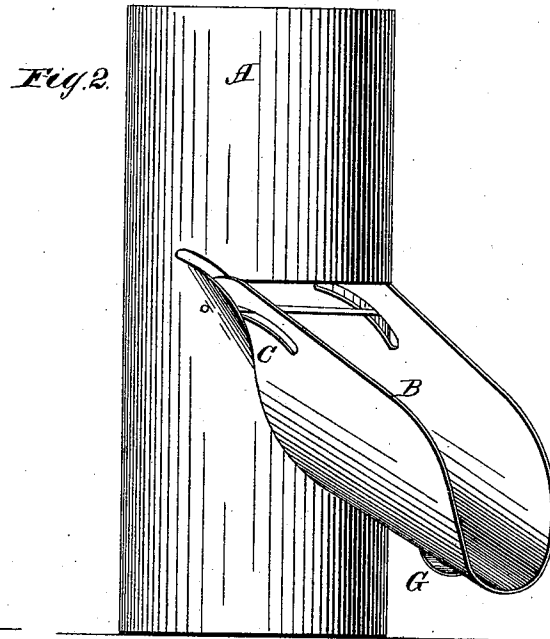
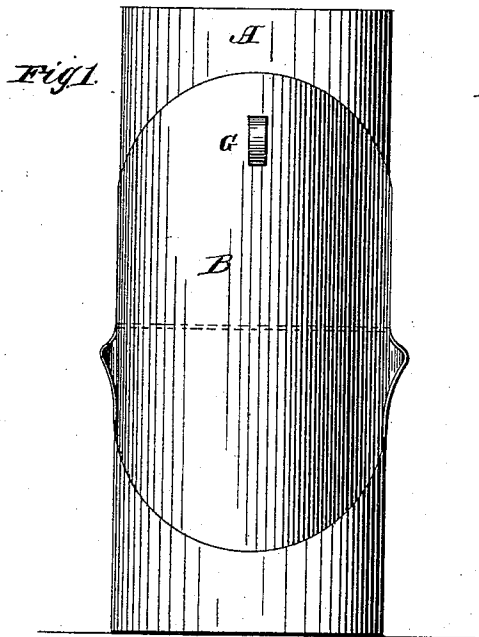
(Model.)

T. CLARK.

CUT-OFF

No. 251,350.

Patented Dec. 27, 1881.



Witnesses.

John Armstrong
Asa Brooking

Inventor.

Thomas Clark

UNITED STATES PATENT OFFICE.

THOMAS CLARK, OF LATHROP, MISSOURI.

CUT-OFF.

SPECIFICATION forming part of Letters Patent No. 251,350, dated December 27, 1881.

Application filed July 16, 1881. (Model.)

To all whom it may concern:

Be it known that I, THOMAS CLARK, a citizen of the United States, residing at Lathrop, in the county of Clinton and State of Missouri, have invented a new and useful Improvement in Cut-Offs, of which the following is a specification.

My invention consists of a spout fastened to a main leader-pipe at an aperture in the side of the pipe by a wire running through the leader-pipe, the ends of the wire being bent to prevent it from working out. When the spout is raised up against the main pipe it closes the hole and constitutes a part of the side of the pipe, so that the water may run directly down through the pipe into the cistern. When the water is to be shut off from the cistern the spout is to be raised up by the projection soldered to it, and is then pulled out and down until the inner edge of the spout strikes the flaring rim soldered on the inside of the main pipe, and the outside of the spout rests on the lower edge of the hole cut through the pipe, where the spout rests at an angle of about forty-five degrees, closing the passage down the pipe, and at the same time opening one through the side.

Figure 1 is a view of a section of the pipe with my spout attached to it closed, so that the water passes directly through to the well. Fig. 2 is a view of the main pipe with my spout attachment in position, closing the passage to the main pipe and turning the water out through the hole into the waste-pipe. Fig. 3 is a view of the several parts of my cut-off attachment.

Letters of reference indicate the component and corresponding parts.

A represents a section of the main water-pipe, which has an oblong circular hole in the side thereof, the lower sides of which are curved, the radius of which is greater than that of the main pipe.

B represents the spout, and in Fig. 2 shows the position when adjusted for the purpose of cutting off the water from the cistern. This spout consists of a short concave plate, formed

on about the same radius as the main pipe, and a little larger than half of the section of the pipe divided lengthwise, and it has on each side an oblong slot, (designated on the drawings as C.) through which is run a wire, which passes entirely through the main pipe, and is kept in place by bending the ends thereof. When the water is to be cut off the spout B is raised up the length of these slots C, and is pulled or swung out and down until the inner end of the spout swings under a deflecting-plate, E, that is fastened on the inside of the main pipe on a level with the pivot-wire upon which the spout swings. The lower edge of the said deflecting-plate fits down on the spout B and prevents the water from passing down the pipe. The outer edges of the spout B, at the lower portion of the slots C, when said spout is forced down to its proper position as a cut-off, are forced into a slit, cut at an angle of about forty-five degrees on each side of the main pipe, just above the wire referred to, that holds the spout in place when used as a cut-off.

F in Fig. 3 of the drawings is a small oblong piece of metal, curved at the upper end, and is soldered to the main pipe just below the hole in the main pipe, the upper end of which projects into the cavity of the pipe enough to admit the inner end of the spout B to be slid in between it and the side of the pipe, forming a tongue, that holds the spout B in position, when adjusted, for the purpose of letting the water pass into the cistern.

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

The pipe A, having the opening with curved lower wall and slits, as described, with tongue F, combined with deflector E, wire D, and spout B, swung on the wire D through the slots C, operated as hereinbefore described and set forth.

THOMAS CLARK.

Witnesses:

JOHN ARMSTRONG,
ASA BROOKING.