J. F. HESS.

Rain-Water Cut-Off.

No. 162,382. Patented April 20, 1875.

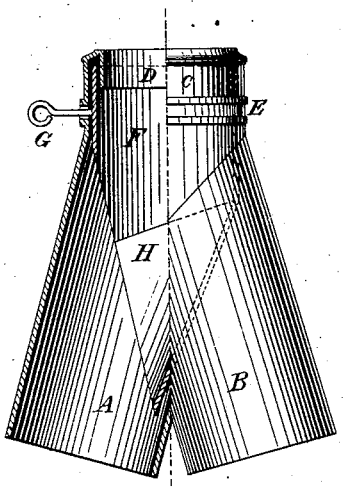

Fig. 1.

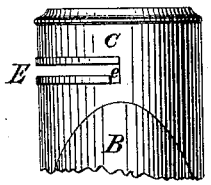

Fig. 3.

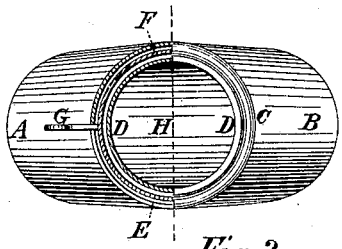

Fig. 2.

Witnesses.
Ruth K. Abbott
Andrew Choffin

Jacob F. Hess Inventor.
by Job Abbott, Attorney.

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UNITED STATES PATENT OFFICE.

JACOB F. HESS, OF MASSILLON, OHIO, ASSIGNOR TO HIMSELF AND LEONARD HESS, OF SAME PLACE.

IMPROVEMENT IN RAIN-WATER CUT-OFFS.

Specification forming part of Letters Patent No. **162,382**, dated April 20, 1875; application filed March 23, 1875.

To whom it may concern:

Be it known that I, JACOB F. HESS, of Massillon, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Rain-Water Cut-Offs; and that the following is a full, clear and exact specification thereof, which will enable others skilled in the art to make and use the said invention:

My invention relates to certain improvements in cut-offs for rain-water conductors, and consists in the construction of a two-pipe case, containing a rotating cut-off, which is both supported and operated by an arm extending through a slot in the outer case, as is hereinafter more fully shown.

In the accompanying drawing, Figure 1 is an elevation, half in full view and half in section, of my improved cut-off; Fig. 2 is a plan of the same, with the upper end half cut off through the arm slot, and Fig. 3 is a side view of the upper end.

A and B are two pipes, one for the waste, and the other for the cistern-water, which are united in a common neck, C. The upper edge of the neck C is rounded in, and has the collar D soldered in it, and a slot, E, with end notches *e e*, is cut around one-half of the neck C, as shown. The cut-off F H consists of the cylindrical port F, which fits up between the neck C and collar D, and has the sloping lower end H, by which the water is deflected from its vertical course through the collar D and cylindrical port F to the pipes A or B. This cut-off is supported and operated by the arm G, which is secured to the port F, and extends out through the slot E in the neck C. The notches *e* receive the arm G at either end of a half rotation of the cut off, and secure it in the desired position. This mode of supporting the cut-off by an arm placed below its upper end, and working in a slot in the case-neck, makes it unnecessary to provide any lower bearing for the cut-off, and materially cheapens its construction.

I am aware that a two-pipe case with a revolving cut-off has been before constructed, and lay no claim to such construction, except when the revolving cut-off is wholly supported in the case by the arm by which it is operated.

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

The two-pipe case A B C, having the slot E made in its side and below its upper edge, in combination with the revolving cut-off F H, having the arm G extending through the slot E, and serving as the support for said cut-off in the case, substantially as and for the purpose herein specified.

As evidence of the foregoing witness my hand.

JACOB F. HESS.

Witnesses:
ROBERT H. FOLGER,
J. W. SCHUCKESS.