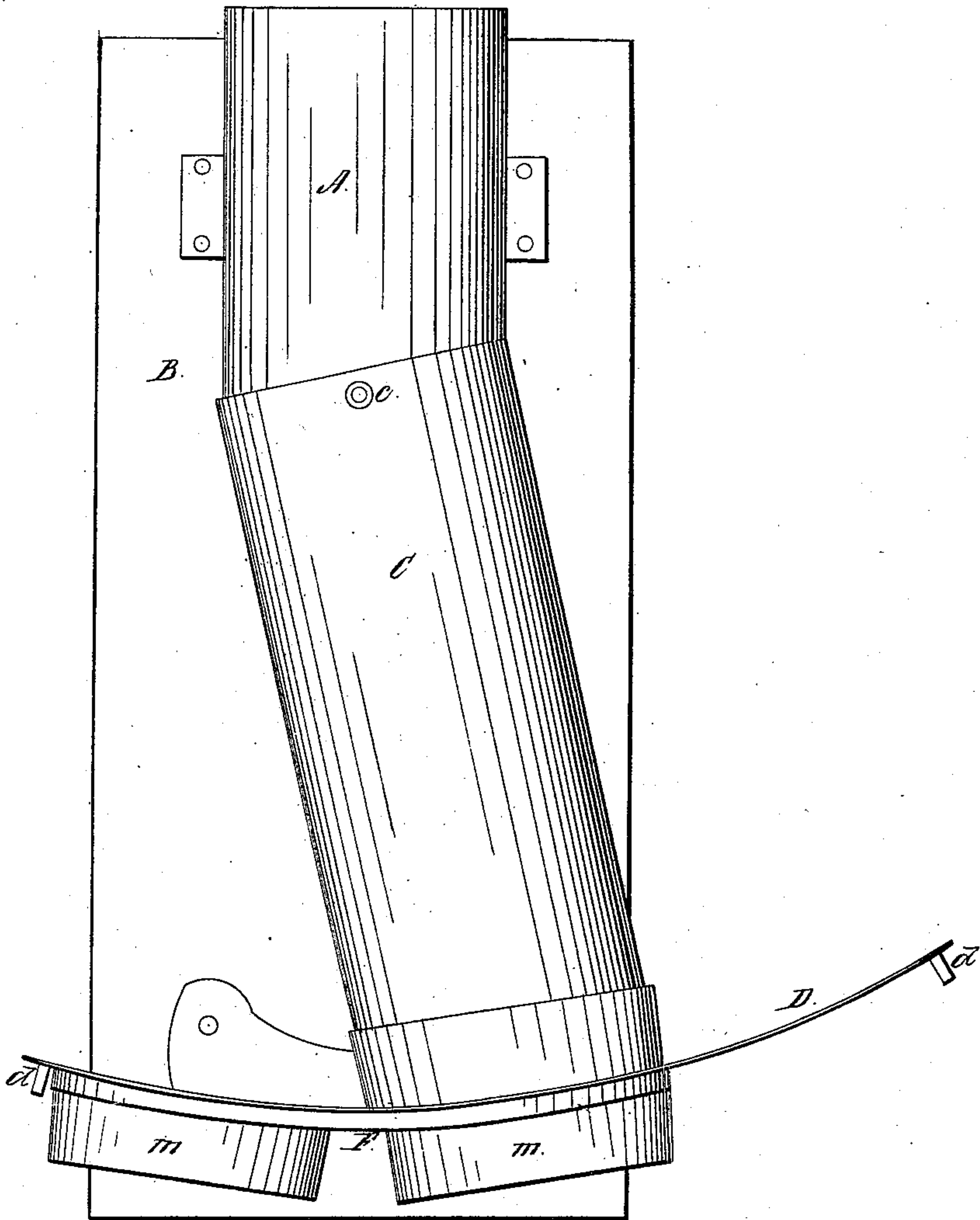


Laird & Stone,

Water Spout Cut Off.

N^o 83,176.

Patented Oct. 20, 1868.



Witnesses:

*J. White
J. Alfred Ellis*

Inventor:

*R. S. Laird & W. F. Stone
per
J. H. Alexander
Atty*



ROBERT S. LAIRD AND WILLIAM F. STONE, OF SANDWICH,
ILLINOIS.

Letters Patent No. 83,176, dated October 20, 1868.

IMPROVEMENT IN RAIN-WATER CUT-OFFS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, ROBERT S. LAIRD and WILLIAM F. STONE, of Sandwich, in the county of De Kalb, and State of Illinois, have invented certain new and useful Improvements in Rain-Water Cut-Off; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, and in which is represented a front view of our rain-water cut-off.

The object of our invention is to provide a cheap and effective means for separating impure from pure water, and to this end our invention consists in hinging a section of the pipe, and providing said section with a sliding cut-off, in combination with a double outlet, substantially as and for the purpose set forth.

To enable others skilled in the art to make and use our invention, we will now describe its construction and operation.

In the accompanying drawing, A represents a common water-spout, secured to the side of the house, B.

C designates a section or joint of pipe, of suitable length, and made a little larger than the spout A which fits inside of the pipe C, and to which said pipe is hinged or pivoted, by means of a pivot, c.

D represents a curved slide, furnished with an opening in its centre, which is supplied with a nozzle, fitting loosely on the lower end of pipe C, and sliding back and forth, as will be described hereafter.

F represents a plate or casing, curved to correspond

with the slide D, and secured in position by means of metal strips formed thereon, and bent at right angles to the plate. This plate is formed or provided on its upper outer edges with flanges, bent so as to form grooves, for the slide D to be slid back and forth, which may be performed by means of handles *d d*, attached to the said slide D.

The under side of plate F is also supplied with nozzles *m m*, which fit around holes made in the plate F, and to which may be attached joints of pipe to direct the water from pipe C into the proper source.

Thus it will be seen from the foregoing arrangement, that by moving the joint C from one opening to the other in the plate F, by means of the slide D, the water descending the main pipe can be directed in the desired channel, causing it to enter the cistern, or be cut off therefrom.

What we claim, and desire to secure by Letters Patent, is—

The combination and arrangement of the hinged pipe C, slide D, and flanged plate F, provided with two nozzles, *m m*, all constructed, arranged, and operated for a direct lateral movement, in the manner and for the purpose set forth.

In testimony that we claim the foregoing as our own, we affix our signatures in presence of two witnesses.

ROBERT S. LAIRD.
WM. F. STONE.

Witnesses:

GEO. KLEINSMID,
GEO. H. WHITCOMB.