(No Model.)

J. M. BAIRD & R. SANDSTROM.

RAIN WATER CUT-OFF.

No. 416,391. Patented Dec. 3, 1889.

Fig 1

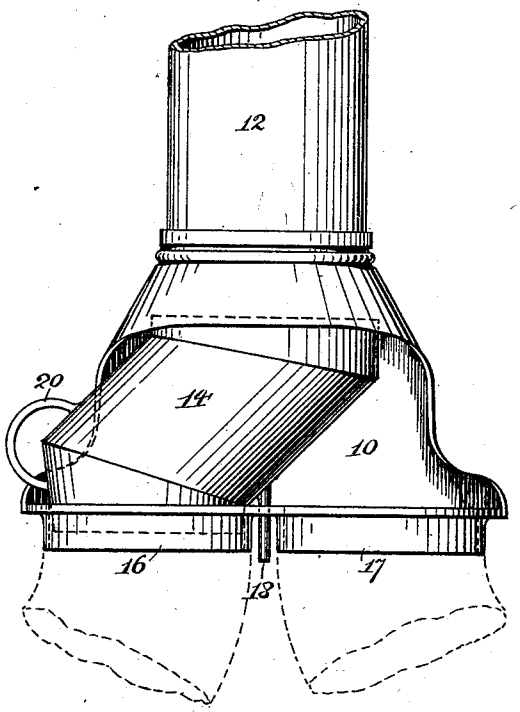


Fig 2

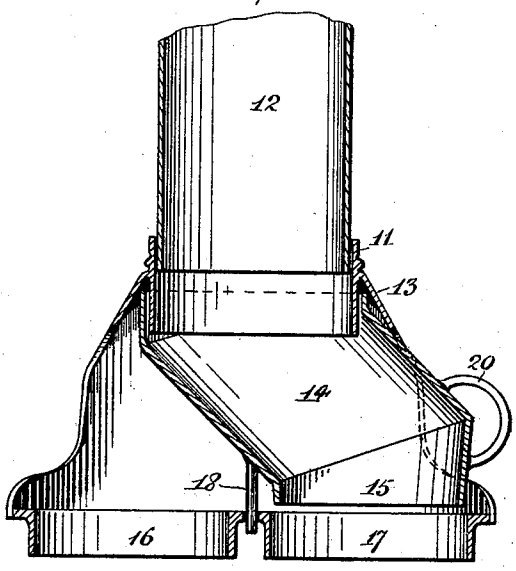


Fig 3

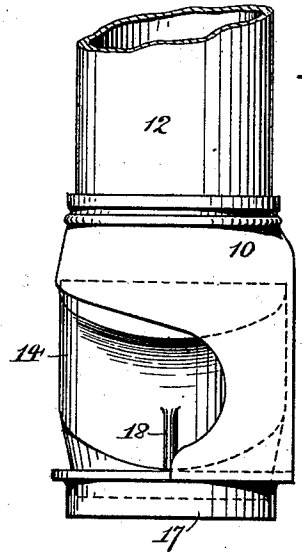
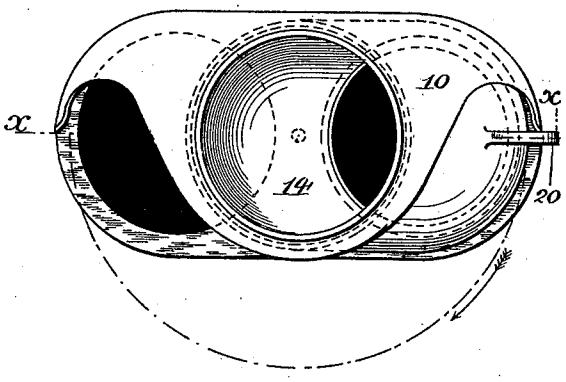


Fig 4



WITNESSES:

H. Walker

C. Sedgwick

INVENTOR

J. M. Baird

R. Sandstrom

BY Munn & Co

ATTORNEY.

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

JOHN M. BAIRD AND ROBERT SANDSTROM, OF TOPEKA, KANSAS.

RAIN-WATER CUT-OFF.

SPECIFICATION forming part of Letters Patent No. 416,391, dated December 3, 1889.

Application filed July 24, 1889. Serial No. 318,561. (No model.)

To all whom it may concern:

Be it known that we, JOHN M. BAIRD and ROBERT SANDSTROM, both of Topeka, in the county of Shawnee and State of Kansas, have invented a new and Improved Rain-Water Cut-Off, of which the following is a full, clear, and exact description.

This invention relates to rain-water cut-offs, the object of the invention being to provide a cut-off which may be readily adjusted to position, and which may be manipulated so as to direct a flow from the main leader to a supply or to a waste leader, or to two supply-leaders, as will be readily understood.

To the end named the invention consists in the construction and arrangement of parts, all as will be hereinafter more fully described, and specifically pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a face view of our improved rain-water cut-off. Fig. 2 is a central sectional elevation of the same, the position of the switching-tube being, however, reversed. Fig. 3 is an end view of the cut-off, the parts being represented as they appear in Fig. 1, the view being taken from the right-hand side of Fig. 1; and Fig. 4 is a plan view of the cut-off, the parts being represented as they appear when shown in Fig. 2.

In the drawings, 10 represents a cut-off body, which is formed with a flange 11, adapted to receive the lower end of the main leader 12, the flange 11 being carried downward within the body 10, there to receive a flange 13, that is formed at the upper end of a switching-tube 14, the lower end of said switching-tube being formed with a flange 15, which fits within either one of the flanges 16 or 17, which said flanges are arranged so that they may be coupled with delivery or waste pipes. The switching-tube is guided by a downwardly-extending stud or pin 18, that rides in bearings formed in the body 10 between the flanges 16 and 17, the stud or pin being located so that it will be concentric with the axis of the flange 11.

In operation the switching-tube may be adjusted as represented in Fig. 1, or by grasping its handle 20 and slightly raising the tube. The weight of the tube, when the power brought to bear upon the handle is released, is designed to carry the tube downward and into the flange 16.

In case the parts should become clogged with débris of any kind they may be cleared by adjusting the switching-tube so that it will deliver a portion of the water carried thereto by the leader 12 to each of the tubes connected with the flanges 16 and 17.

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

A rain-water cut-off consisting of the body 10, having its front cut away, the central flange 11 in the top of the body, the bottom flanges 16 17, the switch-pipe formed of parallel upper and lower flanges 13 15, an intermediate inclined section 14, the handle 20, extending through the open front of the body, and the central pin 18, substantially as set forth.

JOHN M. BAIRD.
ROBERT SANDSTROM.

Witnesses:
CHARLES CURTIS,
CLAUDE WISHART.