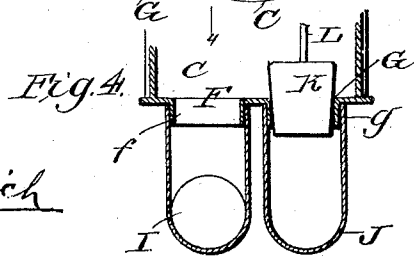
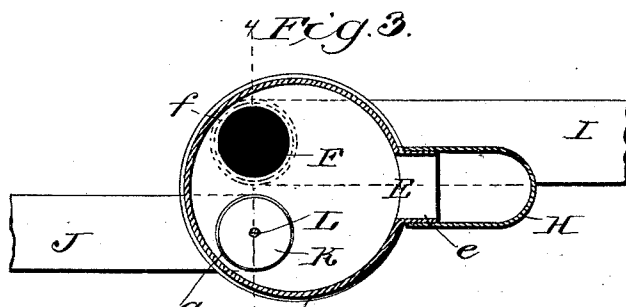
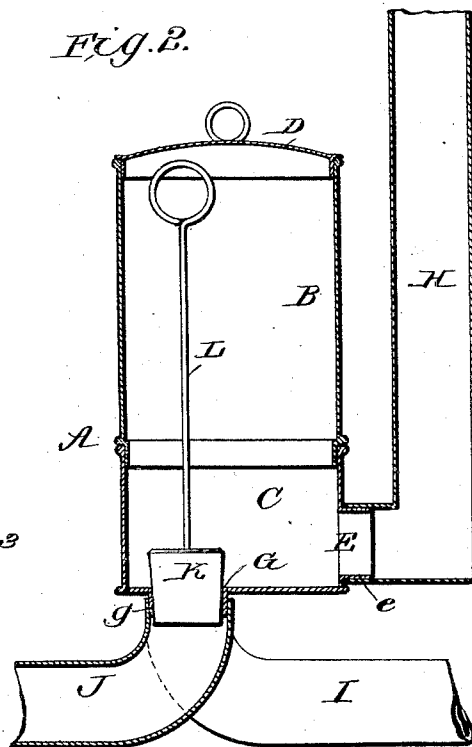
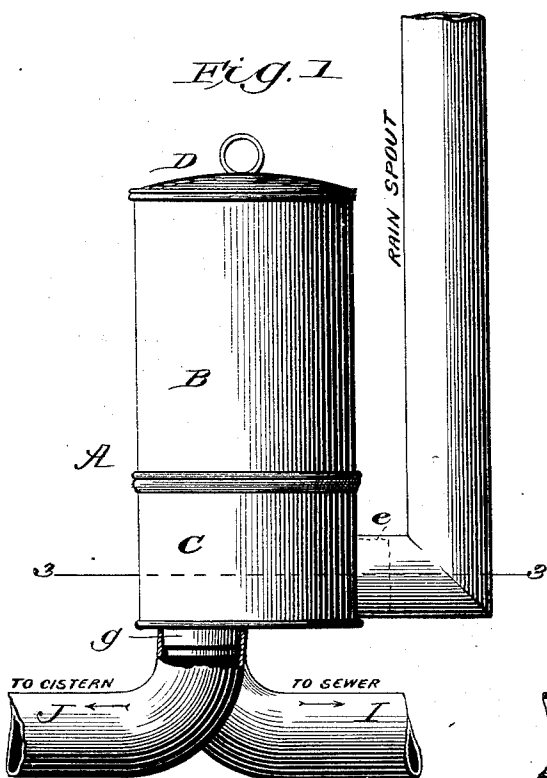


(No Model.)

E. A. KING.
CUT-OFF SPOUT.

No. 469,575.

Patented Feb. 23, 1892.



WITNESSES:
Fred G. Dieterich
P. B. Turpin

INVENTOR:
E. A. King
BY *M. W. L.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

EDWARD A. KING, OF ST. JOSEPH, MISSOURI.

CUT-OFF SPOUT.

SPECIFICATION forming part of Letters Patent No. 469,575, dated February 23, 1892.

Application filed November 24, 1891. Serial No. 412,999. (No model.)

To all whom it may concern:

Be it known that I, EDWARD A. KING, of St. Joseph, in the county of Buchanan and State of Missouri, have invented a new and useful Improvement in Cut-Off Spouts, of which the following is a specification.

My invention is in the nature of a cut-off spout by which portions of the water from the roof or other gathering-surface may be discharged into the sewer and a portion into the reservoir or other receptacle; and the invention consists in certain novel constructions and combinations of parts, as will be hereinafter described, and pointed out in the claim.

In the drawings, Figure 1 is a side view, and Fig. 2 a vertical section, of my improved device. Fig. 3 is a cross-section on about line 3 3 of Fig. 1, and Fig. 4 is a section on about line 4 4 of Fig. 3.

In carrying out my invention it is preferred to make the several parts of terra-cotta or other suitable earthenware to secure cheapness and durability of construction. The improved cut-off includes a cup or receiving-chamber A, which is preferably made in upper and lower sections B and C, fitted together, and provided at its top with a lid or cover D. This receiving-chamber or cup A has an inlet E and two outlets F and G, the opening E being preferably in the side and the outlets F and G in the bottom of the cup, as shown. Nipples *e*, *f*, and *g* surround these openings and facilitate the connection of the spout H and sewer and cistern pipes I and J with the cup or receiving-chamber. The pipe or spout H leads from the roof or other collecting-surface and conducts the rain collected to the receiving-chamber or cup B. A plug or stopper K, having a stem L, is adapted to be inserted in and close either of the outlet-openings F and G, so that either of such openings may be closed to direct the water through the other. When a single plug K is used, it may be operated by hand, being removed from one and inserted in the other opening, as required; but, where desired, two plugs may be used, one for each opening, and supported at the opposite ends of a centrally-pivoted lever, which may be rocked to cause one or the other plug to open or close its port, as may be desired. Thus the first water collected from the roof, which will be warm and dirty, may be directed into the sewer by closing the opening G, and after the roof has been well washed the plug may be trans-

ferred to the opening F and the clean water be permitted to pass off into the cistern or other reservoir.

It will be noticed that the plug during the collection of the clean water stops the opening to the sewer and effectually shuts off the contamination of the clean water by sewer-gas. The plug may be readily manipulated by removing the cover, and the sectional construction of the cup or receiving-chamber enables the same to be conveniently and cheaply made.

The special construction of my cut-off involves numerous novel features and incident advantages, which may be briefly referred to as follows: The receiving-chamber is formed in two parts, an upper and a lower, so that it can be more cheaply made and transported, and, in case of breakage of one section or part, can be cheaply repaired by substituting a new one for the broken part. The inlet is lateral, opening into the side of the chamber and preferably into the lower section. By this arrangement the inlet is arranged in the same part or section as the outlets, thus permitting the chamber to be cleaned out without displacing the inlet. It will also be seen that in my construction the valve-stem is entirely incased, and is thus out of the reach of children and meddlers. The plug or valve K is adapted to close either opening, so that when the parts are adjusted to direct the water into the cistern the opening to the sewer is securely closed, thus preventing the contamination of the water passing to the cistern by sewer-gas.

Having thus described my invention, what I claim as new is—

The improved cut-off spout herein described, consisting of the cup or chamber formed of upper and lower sections fitted together, the lower section being provided with a lateral inlet and with two outlets, the cover fitted to the upper section, and the plug or valve adapted to positively close either of the outlet-openings, whereby when one outlet is opened the other may be positively closed, the valve-stem being entirely incased in the cup or chamber, all substantially as and for the purposes set forth.

EDWARD A. KING.

Witnesses:

GIDEON G. BRINTON,
WILLIAM A. ELLIOTT.