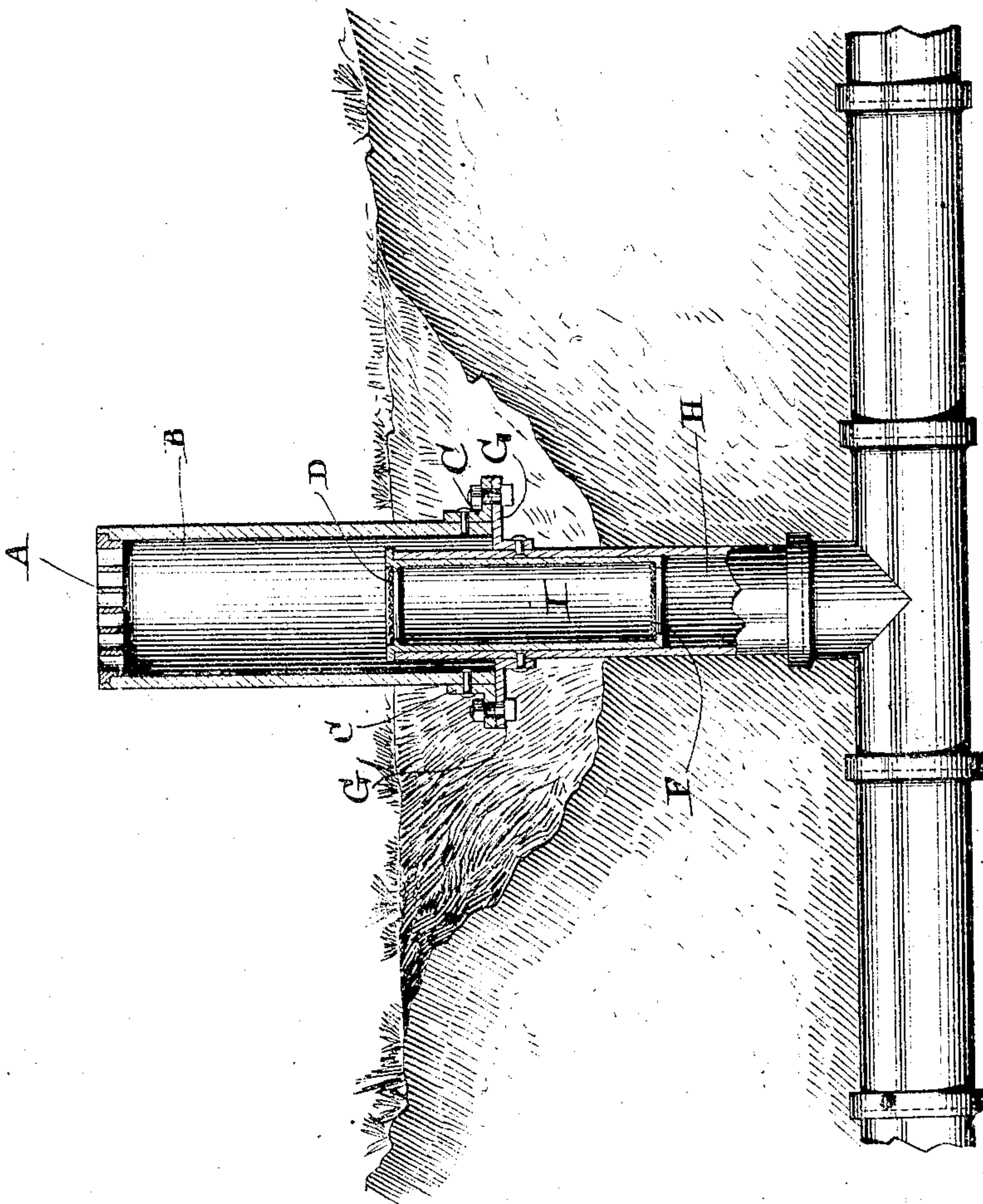
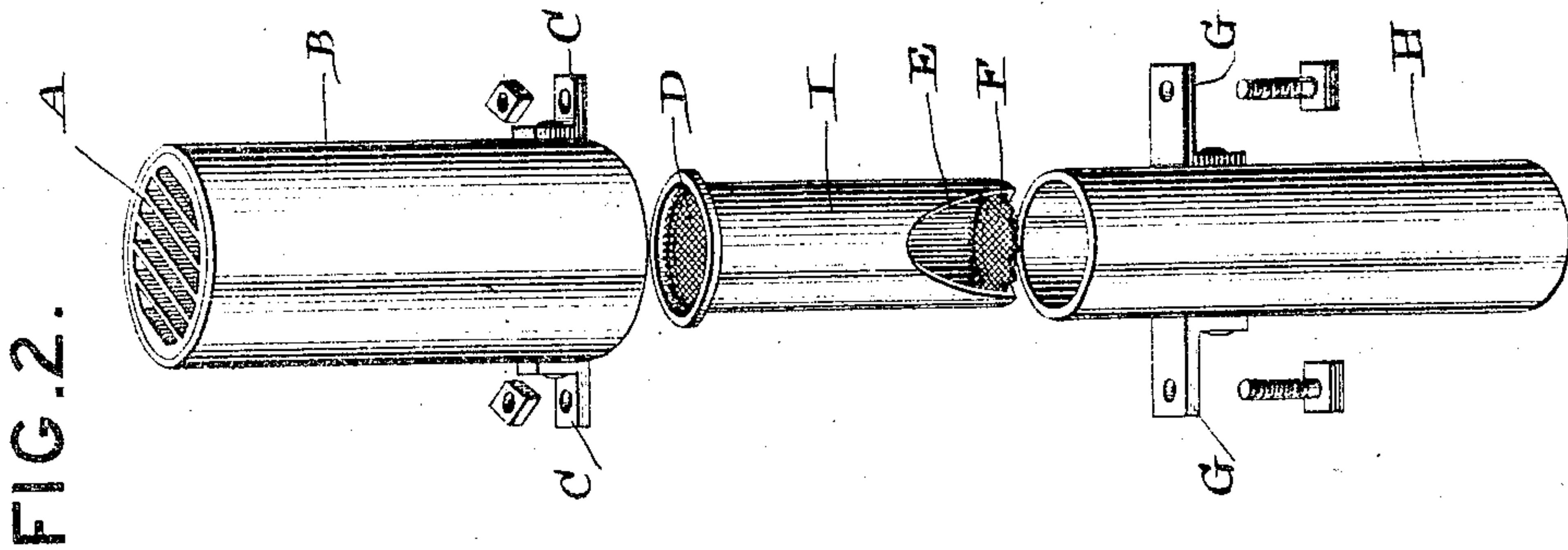


No. 810,879.

PATENTED JAN. 23, 1906.

B. F. PERRY.
WATER ESCAPE.

APPLICATION FILED AUG. 24, 1905.



Witnesses,
Thomas A. Davis,
Ben H. Perry.

Inventor
Benjamin Franklin
Perry

UNITED STATES PATENT OFFICE.

BENJAMIN FRANKLIN PERRY, OF TODDS POINT TOWNSHIP, SHELBY COUNTY, ILLINOIS, ASSIGNOR OF ONE-HALF TO CHARLES BEVERLY DAVIS, OF TODDS POINT TOWNSHIP, SHELBY COUNTY, ILLINOIS.

WATER-ESCAPE.

No. 810,879.

Specification of Letters Patent.

Patented Jan. 23, 1906.

Application filed August 24, 1905. Serial No. 275,680.

To all whom it may concern:

Be it known that I, BENJAMIN FRANKLIN PERRY, a citizen of the United States, residing in Todds Point township, in the county of Shelby and State of Illinois, have invented a new and useful Water-Escape, of which the following is a specification.

My invention relates to improvements in water-escapes by which surface water is allowed to enter directly into a tile ditch or sewer or by which the surplus water from a tank, pond, cesspool, or reservoir may be carried away by a drain-pipe; and the objects of my invention are, first, to provide means for carrying surface water from depressions in frozen ground or hardpan soil; second, to prevent the entrance of trash, dirt, or sediment into tile or sewer, and thereby clogging the same; third, to afford means to keep rodents and other animals out of the tile or sewer that might enter through the water-escape; fourth, to afford a combination of an air-vent and water-escape. I attain these objects by the device illustrated in the accompanying drawings, in which—

Figure 1 represents the entire device attached to a tile-ditch embedded in the earth. Fig. 2 shows the several parts of the same, shown detached.

Similar letters refer to similar parts in both views.

The base-cylinder H is connected directly with the tile or sewer, and fitting closely on the inside of this there is the shorter cylinder I, which is held in position by having a flanged top resting upon the top of said cylinder H. The said inside cylinder I is provided with a screen at top D and a screen at the bottom F and also has an opening E in the side at the base.

The top cylinder B is of considerably larger diameter than the base-cylinder and is intended to come down over the same, so as to telescope about half the exposed part of said cylinder H, so as to afford an annular passage between said cylinders. Said top cylinder B is provided with a removable grating A at the top and is intended to extend above high-water mark, as it is not intended that any water shall enter at the top of said cylinder B. The brackets C C and G G are for the purpose of holding the said cylinders H and B in their relative positions. The

same object may be attained by use of posts or piers in event the device is too large to render use of brackets impracticable.

The device should be attached to the tile or sewer in the lowest part of some depression from which it is desired to allow the water to escape, and as the same rises so as to cover the top of base-cylinder H it will be allowed to flow directly into the tile or drain. From the fact that the water must enter under the base of the top cylinder B and also from the fact that most of the trash and debris remain floating upon the surface of the water very little of such trash or debris will ever be permitted to get on the inside of the said cylinder B, and this will be arrested by the said screens D and F on the inside cylinder I. These said screens D and F are also for the purpose of preventing rodents and other animals from entering the tile, sewer, or drain through the water-escape. When the wash of sand or the deposit of silt about the water-escape accumulates to the extent of reaching up to the base of the top cylinder B, the free flow of water will thereby be obstructed, so that none of said silt or sand will be carried or washed into the tile or drain. All the debris and mud deposits may be removed by unfastening the said brackets or removing said cylinder B from the posts or piers. The said inside cylinder I may be easily removed, being provided with the opening E, so that any foreign body that may have found its way therein can be speedily removed.

I am aware that prior to my invention simple water-escapes and simple air-vents have been used; but I am not aware that they have been combined as above specified. However, I do not desire to claim such combination too broadly; but

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

1. The herein-described water-escape consisting of the top cylinder B with the grated top A, the base-cylinder H, and the inside cylinder I with the screens D and F and the opening E all substantially as set forth and for the purposes herein specified.

2. In a water-escape, the combination, with a base-cylinder attached to the tile-drain or outlet, of a top cylinder having a suitable means of support and a removable

grating, and being of sufficient length and diameter to extend above high-water mark, and to telescope about half the exposed part of the base-cylinder affording an annular passage for the escape of the water as shown and described.

3. In a water-escape, the combination, with a base-cylinder attached to the tile, drain or outlet, and a top cylinder having suitable means of support and a removable grating, and being of sufficient length and diameter to extend above the high-water mark,

and to telescope about half the exposed part of the base-cylinder, affording an annular passage for the escape of the water, of an inside cylinder provided with the screens at either end, and with the flanged top resting on the top of the said base-cylinder all substantially as set forth.

BENJAMIN FRANKLIN PERRY.

Witnesses:

HARRY FOSTER,
J. D. GORDON.