(No Model.)

J. TAYLOR.

DRAIN TILE.

No. 265,716. Patented Oct. 10, 1882.

Fig. 1.

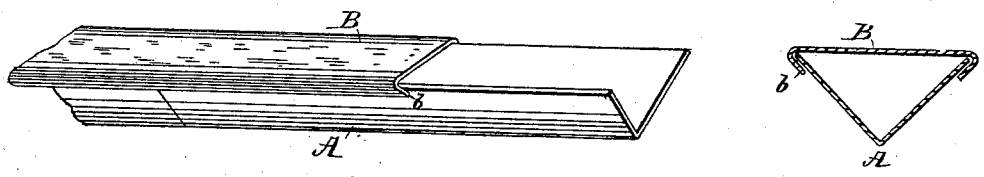


Fig. 2.

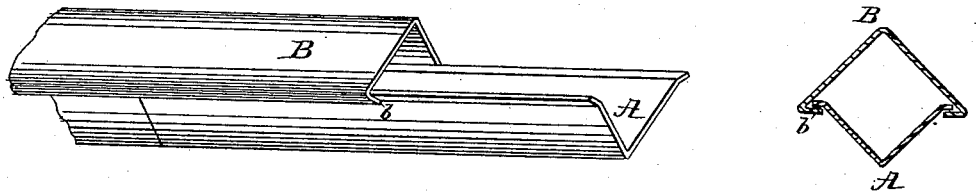


Fig. 3.

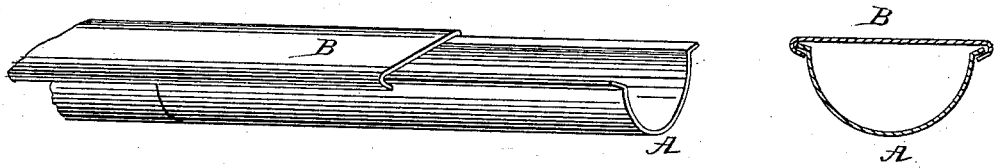
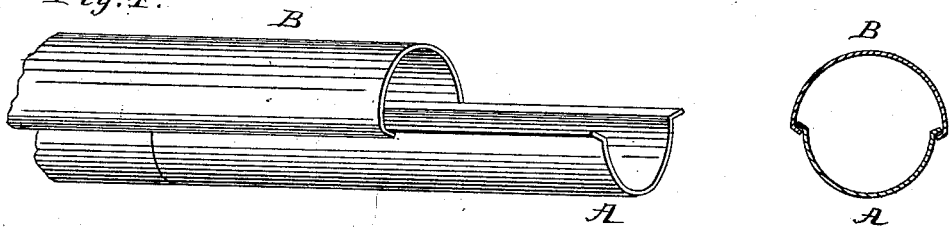


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES TAYLOR, OF NEW LEXINGTON, OHIO.

DRAIN-TILE.

SPECIFICATION forming part of Letters Patent No. 265,716, dated October 10, 1882.

Application filed August 17, 1882. (No model.)

To all whom it may concern:

Be it known that I, JAMES TAYLOR, of New Lexington, Perry county, Ohio, have invented a new and useful Improvement in Drain-Pipes, of which the following is a clear, full, and exact description, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents the sections of a drain-pipe with my improvements attached. Figs. 2, 3, and 4 are modifications of the same.

To enable others skilled in the art to make and use my invention, I will proceed to describe the exact manner in which I have carried it out.

In the drawings, A represents a section of the lower portion of my improved drain-pipe, triangular in form, over which slides the cover B, with its edges *b* bent at an angle to correspond with the incline of the sides of the portion A. The width of the cover B is slightly greater than the width of the lower portion, A. Hence the bent sides *b* do not closely fit upon the sides of A, but leave sufficient space between the two for water to pass into the drain-pipe and for a circulation of air.

Nevertheless, the distance between the lower portions of the sides *b* being less than the distance between the upper edges of the portion A, it is evident that when the cover B is slipped over the portion A it is secure and can only be removed therefrom by a longitudinal movement. It is also evident that by these sections thus fitted together a drain-pipe of any desired length may be readily constructed with the joints all broken, thus securing a cheap, simple, and effective drain-pipe at comparatively a trifling cost. The pipe may be made of clay or any other suitable material.

Fig. 2 represents a slight modification of my improved pipe, but a form within the spirit of my invention. In this modification the portion A has its upper edges flanged horizontally for the more securely holding the cover B, which is flanged inwardly at *b* to fit under the horizontal flanges on the portion A. In this figure the top is shown as angular instead of flat, and the pipe in cross-section is nearly square.

It is also evident that the lower portion, A, instead of being angular, as shown in Fig. 1, may be curved, as shown in Fig. 3, without departing from the spirit of my invention; or both the upper and the lower portions may be curved, so as to present a tubular form, as shown in Fig. 4, the principle being the same in all these several forms, the object of my invention being the construction of a continuous drain-pipe by means of flanged sections which will break joints, and thus obviate the injurious results of joints being displaced by crawfish, moles, and other animals, or by the ordinary natural causes, and at the same time providing for the entrance of water at all points along the drain, so as to carry off the surplus water and afford an escape for the air, and a consequent aeration of the soil. One of the sharp angles placed at the lowest point insures a current of water whenever there is any water in the pipe.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A drain-pipe consisting of the pipe-sections A, having turned flanged edges throughout their length, in combination with the pipe-sections B, having the edges throughout their length provided with the interlocking flange *b*, as set forth.

JAMES TAYLOR.

Witnesses:
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