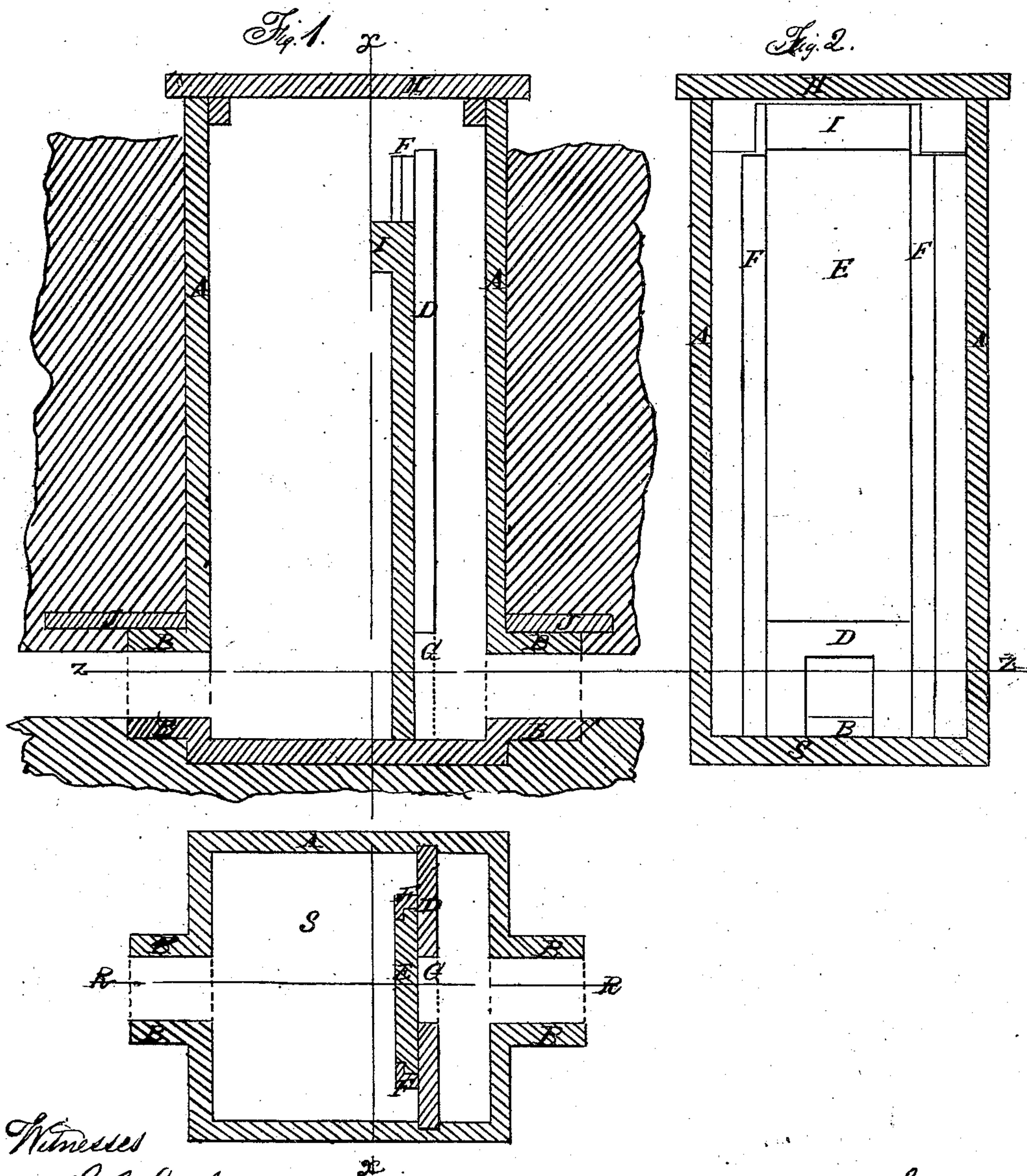


D. A. Parks.

Penstock for Underground Drains.

N^o 75295

Patented Mar. 10, 1868.



Witnesses
Geo. L. Chapin
W. H. Hays

Inventor
David A. Parks

United States Patent Office.

DAVID A. PARKS, OF FAIRVIEW, ILLINOIS.

Letters Patent No. 75,295, dated March 10, 1868.

IMPROVED PENSTOCK FOR UNDERGROUND DRAINS.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, DAVID A. PARKS, of Fairview, in the county of Fulton, and in the State of Illinois, have invented an Improved Penstock for Underground Drains; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a sectional elevation, taken through fig. 3 on the line R R.

Figure 2, a sectional elevation, taken through the line X X, fig. 3.

Figure 3, a horizontal section, taken on the line Z Z, figs. 1 and 2.

The nature of my invention consists in attaching short pipes to the opposite sides of the penstock, for extending into the openings of the mole-drain, and dividing the penstock with a partition of less height than the sides, whereby water may rise high enough for stock to drink, and yet allow the surplus to pass down at the opposite side of the partition, and through the drain; and further, in arranging a gate to slide on the partition, for the purpose of shutting water on or off, as the case may require.

To enable others to make and use my invention, I have marked corresponding parts with similar letters, and will now give a detailed description.

A A represent a box penstock, with a bottom, S, and lid, H, made of plank matched together water-tight, and of such a height as will bring the top of the stock a little above the ground when set for use.

B B represent two pipes, communicating with the stock A A, near its bottom, S, and are used to form so much of the mole-drain, at opposite sides of the stock, as is necessary to make a perfect water-connection, and to prevent the earth from entering the drain when the stock is being packed in the ground. This arrangement I consider not only new, but important, for without the pipes, or a similar device, a suitable water-connection cannot be made for the kind of drains referred to.

D represents a partition, arranged inside of the stock A A, for the purpose of retaining water in the larger apartment, for farm purposes, and permitting the surplus to run over the top of the partition, and into the drain, at the opposite side from where it enters. The partition has an opening, G, made as large as or larger than the pipes B B, and a gate, E, for the purpose of permitting the water to run directly through the stock, and carry off the sediment which might accumulate in the bottom of the same.

In order to set the penstock for use, the earth should be removed to a point a little below the bottom of the mole-drain, as shown at fig. 1, after which the pipes B should be fitted carefully in the water-course, and covered with short pieces of plank, as seen at J J, same figure. The earth should then be packed closely against the penstock, so as to prevent water from rising around it, and the stock is then ready for use.

Having thus described my invention, I do not claim a penstock for elevating water, but

What I do claim, and desire to secure by Letters Patent of the United States, is—

The combination of the stock A A, partition D, gate E, and pipes B B, arranged substantially as and for the purpose herein described.

DAVID A. PARKS.

Witnesses:

G. L. CHAPIN,

A. HAYWARD,