H. F. BAKER.

Mole-Plow.

No. 28,050. Patented May 1, 1860.

Fig. 1.

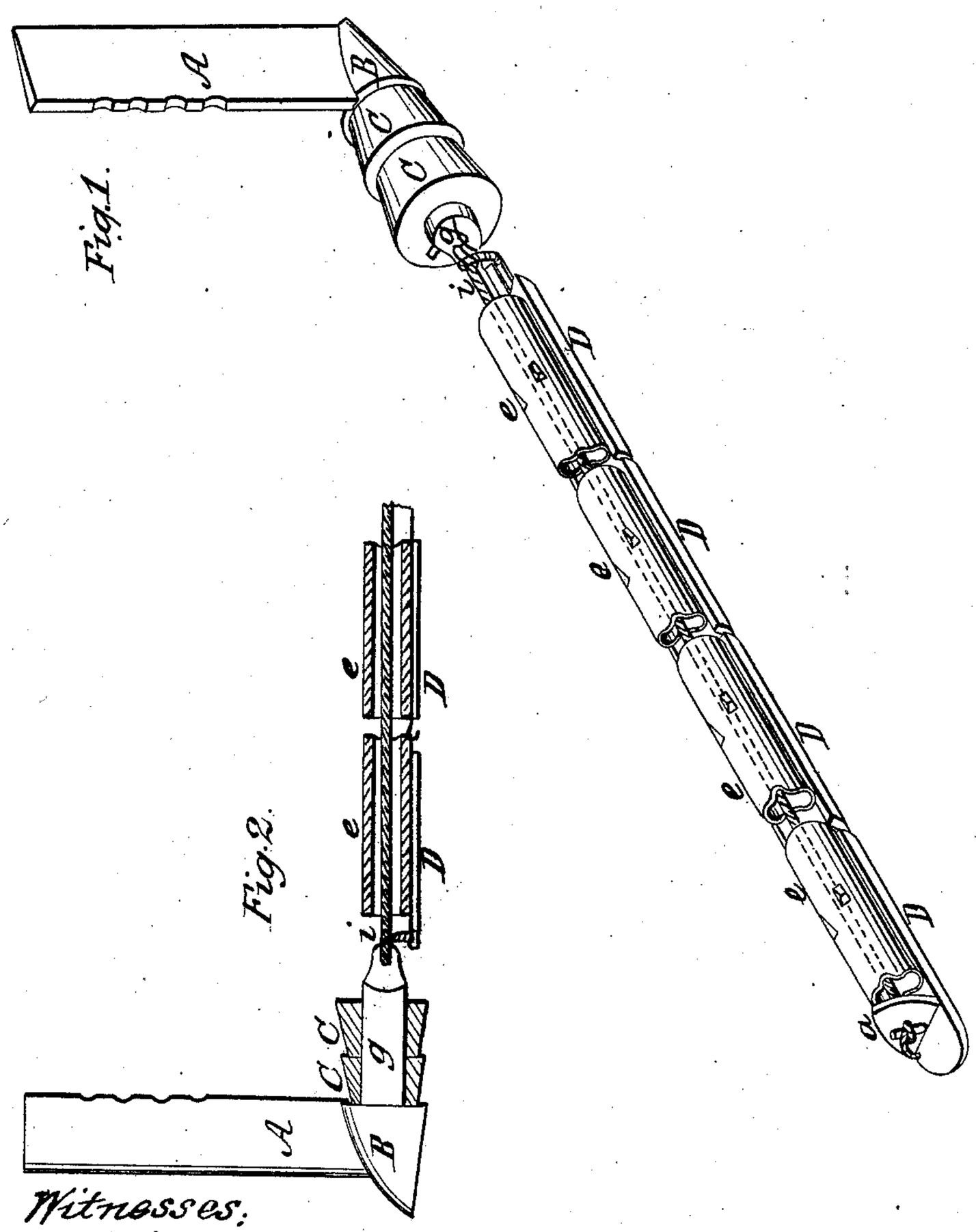

Fig. 2.

Witnesses:

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HENRY F. BAKER, OF CENTREVILLE, INDIANA.

IMPROVEMENT IN MODES OF LAYING DRAIN-TILES.

Specification forming part of Letters Patent No. **28,050**, dated May 1, 1860.

To all whom it may concern:

Be it known that I, HENRY F. BAKER, of Centreville, in the county of Wayne and State of Indiana, have invented certain new and useful Improvements in Drain-Plows; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings and the letters of reference marked thereon.

The nature of my invention consists in the employment and combination of such devices as will hereinafter be fully set forth and described.

To enable others skilled in the art to make and use my invention, I will now describe its construction and operation.

In the annexed drawings, Figure 1 is a perspective view. Fig. 2 is a side elevation.

A represents the colter, and B the mole.

C C are two packers which follow immediately after the mole. It will be observed that the packers C C have a slight taper toward the colter, the first being somewhat larger in size than the mole, and the second increasing in the same ratio over the first.

g represents a stem which passes through the centers of the two packers and connects them to the mole B.

The object in employing the two packers C C and gradually increasing them in size toward their rear ends is to pack the earth as they follow the mole, and thereby prevent the loose particles from falling and filling up the ditch until the tile shall be drawn in after the mole.

D D represent a succession of slides or troughs. Said slides are connected to each other by means of a link or any other suitable device. The last slide is provided with the shoulder *a*, the object of which will be more fully seen hereinafter.

E E represent a succession of tiles, each one of which is notched on its ends, as fully shown in Fig. 1. Said tiles are also provided with three or four apertures which slant in the direction of the colter. These apertures are for the purpose of admitting water to flow in the tiles from the top and sides, and thereby more effectually drain the water from the surface of the earth.

c is a cord, which is secured to the shoulder *a*, and passes through the tiles and is tied to the stem *g*. It will thus be seen that the tiles E E lie in the slides D D, and therefore are more easy to be drawn in after the packers C C.

The operation of my invention is as follows: The slides D D being connected to the stem *g* by means of a cord, and the tiles E E properly adjusted, as already shown, force is applied to the colter. As the mole B opens and makes the ditch the packers C C follow immediately after and enlarge and prepare the ditch for the slides and tile. When the tile is drawn in to a sufficient length the cords are loosened from the stem and the slides withdrawn, leaving the tiles in their places.

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

The employment of the slides D D, constructed as described, the rear slide being provided with a shoulder, *a*, when the same are used in connection with the mole B for the purpose of drawing the tiles E E into the drain, substantially as herein specified.

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