

No. 753,239.

PATENTED MAR. 1, 1904.

M. P. CURLEE.
POST HOLE BORER.

APPLICATION FILED OCT. 29, 1903.

NO MODEL.

Fig. 2.

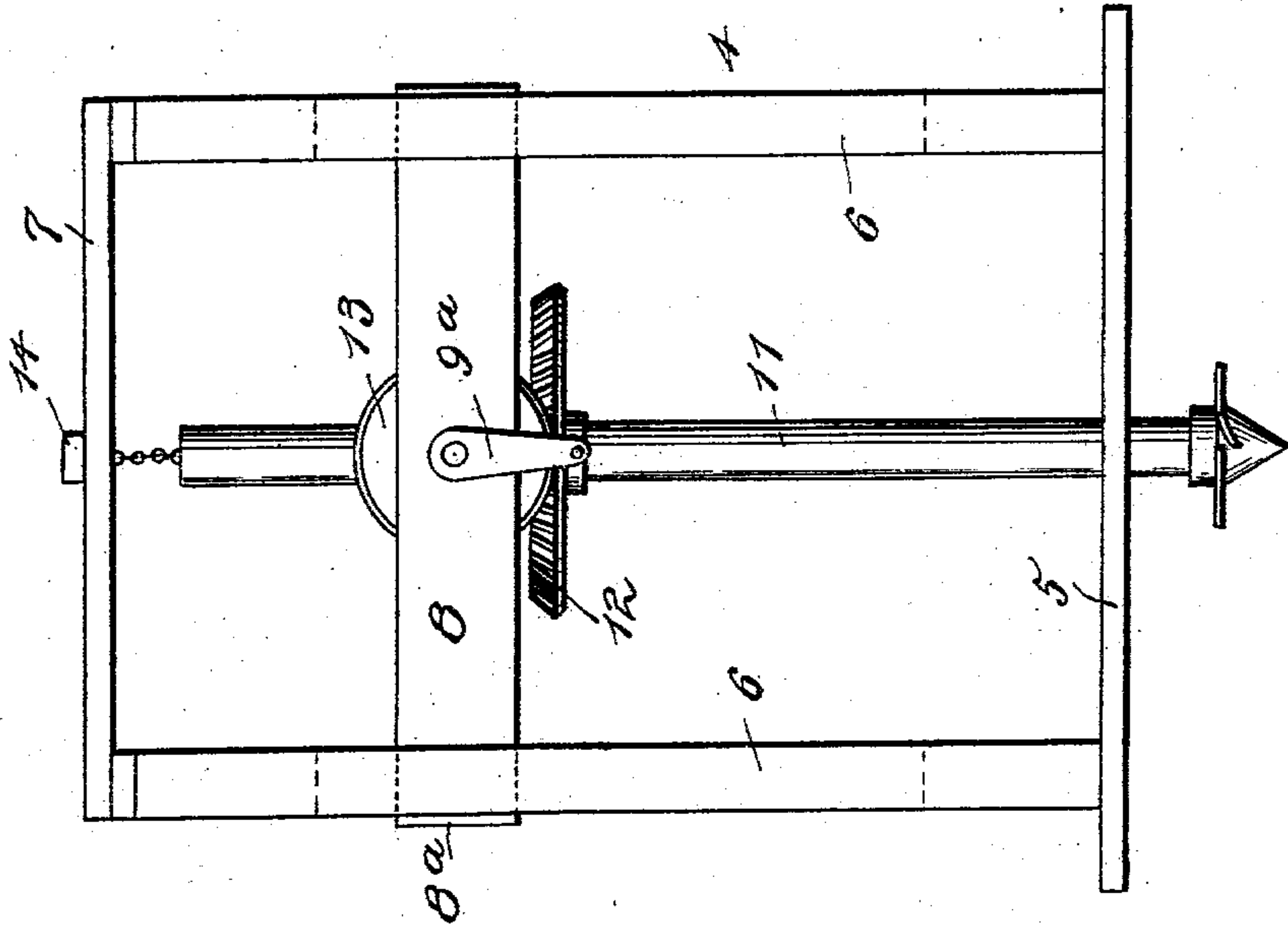
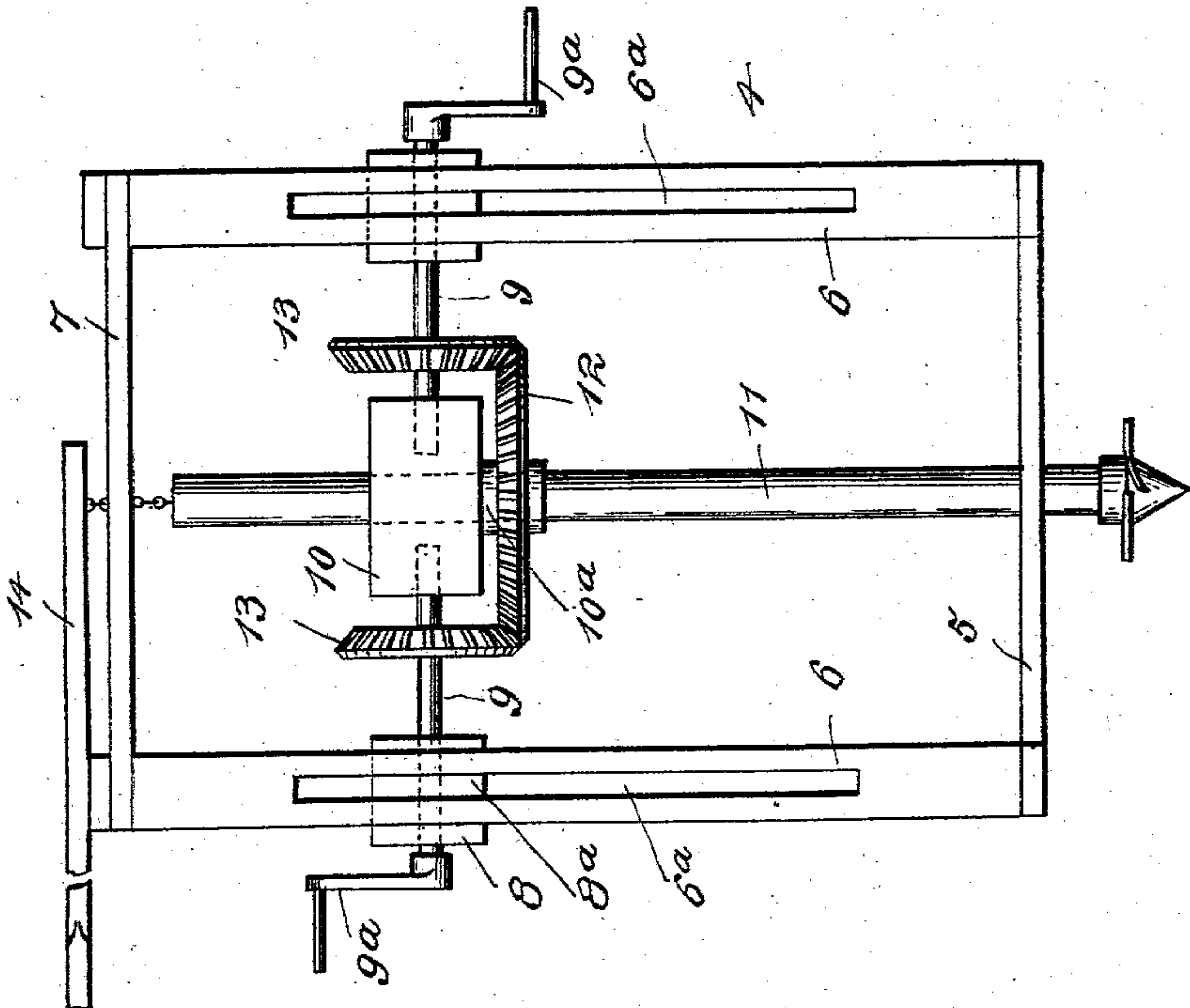


Fig. 1.



WITNESSES

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MEREDITH P. CURLEE, OF MCKENZIE, ALABAMA.

POST-HOLE BORER.

SPECIFICATION forming part of Letters Patent No. 753,239, dated March 1, 1904.

Application filed October 29, 1903. Serial No. 179,033. (No model.)

To all whom it may concern:

Be it known that I, MEREDITH P. CURLEE, a citizen of the United States, residing at McKenzie, in the county of Butler and State of Alabama, have invented new and useful Improvements in Post-Hole Borers, of which the following is a specification.

My invention relates to post-hole borers, and has for its object to provide a simple and efficient machine of this kind.

A further object is to mount the auger-shaft in such a way that it can be swung sidewise to enable the machine to bore a vertical hole on a hillside.

With this and other objects in view the invention consists in certain novel features of construction hereinafter described and claimed, and shown in the accompanying drawings, in which—

Figure 1 is a front elevation, and Fig. 2 is a side elevation.

Referring specifically to the drawings, 4 indicates the frame in which the working parts of the machine are mounted. Said frame comprises sills 5, to which standards 6 are secured. Beams 7 extend across the top of the standards, of which there are four, two on each side, forming a rectangular frame. The standards are slotted, as at 6^a, and between each pair of the same a block 8 extends, having reduced ends 8^a fitting in the slots. Driving-shafts 9 extend through a bearing-hole in each block and carry at their outer ends a suitable hand-crank 9^a. Between the inner ends of the shafts a block 10 is placed, in which the ends of said shafts are journaled. The auger-shaft 11 extends loosely through a hole in the block 10 and carries a miter-wheel 12 in mesh with a similar wheel 13 on each of the driving-shafts, so that when the same are rotated the auger-shaft will be rotated.

As the working parts are slidably mounted in the frame-standards 4, they will travel down-

wardly with the auger-shaft as the hole is bored. That portion of the auger-shaft which extends through the block 10 is round, so that it can rotate, while below the block it has a shoulder 10^a, so that the block cannot slip down on the shaft. As the ends of the driving-shafts set loosely in the block 10, it can be swung sidewise, thus causing the auger-shaft to extend at an angle to the frame, permitting the machine to bore a vertical hole when it is used on a hillside. Any suitable means may be used for raising the auger-shaft after the hole is bored. I have shown a lever 14 fulcrumed to the top of the frame and connected to the end of the shaft.

Having thus described my invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. A post-hole borer comprising a frame, alined driving-shafts vertically slidable therein, a swinging block between the driving-shafts and receiving the inner ends thereof, an auger-shaft extending through said block, and meshing gears on the driving and auger shafts.

2. A post-hole borer comprising a frame, alined driving-shafts, bearing-blocks therefor slidably mounted in the frame, a swinging block between the driving-shafts and receiving the inner ends thereof, an auger-shaft extending through said block, and meshing gears on the driving and auger shafts.

In testimony whereof I have signed my name to this specification in the presence of subscribing witnesses.

MEREDITH P. CURLEE.

Witnesses:

I. E. BENNETT,
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markJ. H. HUGGINS,
J. C. HUGGINS.