H. P. HASKIN.

POST-HOLE AUGERS.

No. 195,446. Patented Sept. 25, 1877.

Fig. 1.

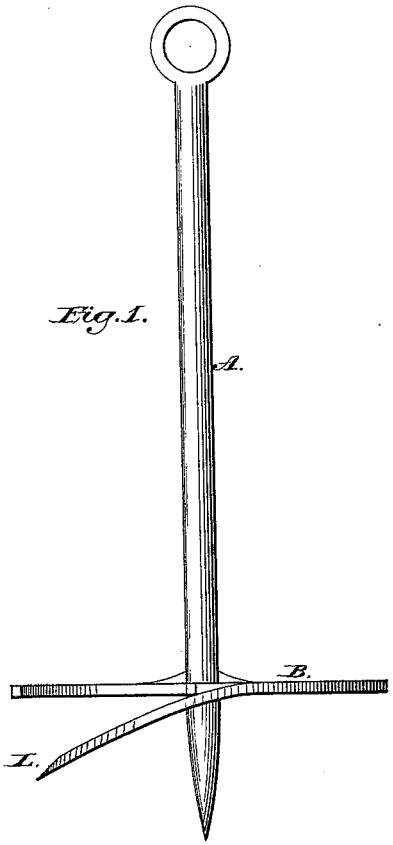
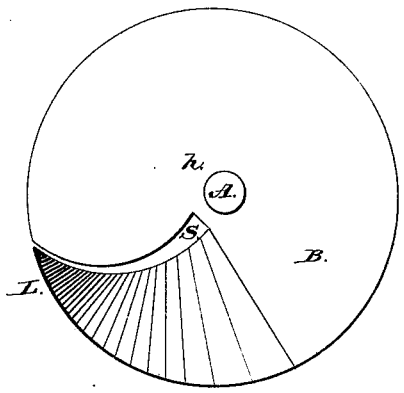


Fig. 2.



Attest:
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UNITED STATES PATENT OFFICE.

HENRY P. HASKIN, OF BELOIT, WISCONSIN, ASSIGNOR OF ONE-HALF HIS RIGHT TO RICHARD TATTERSHALL, OF SAME PLACE.

IMPROVEMENT IN POST-HOLE AUGERS.

Specification forming part of Letters Patent No. **195,446**, dated September 25, 1877; application filed July 23, 1877.

To all whom it may concern:

Be it known that I, HENRY P. HASKIN, of the city of Beloit, Rock county, in the State of Wisconsin, have invented certain new and useful Improvements in Augers for Boring Post-Holes; and I hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvements without further invention or experiment.

The nature of my invention and improvements consists in the construction of a post-hole auger upon a plan which is believed to be more simple, effective, and economical in cost of production than any heretofore in public use, and is made out of a single circular disk of suitable metal, having a suitable lip or bit, and vertical standard with transverse handle at the top, as shown in the accompanying drawings, and hereinafter fully described, in which said drawing—

Figure 1 is a view of the auger without a handle, and Fig. 2 is a top view of the boring-disk.

Reference being had to said drawings, similar letters indicate corresponding parts.

Letter A represents the vertical standard or shank of the auger; B, the circular metal disk, provided with the circular-shaped boring lip or bit L and throat S.

The lower end of the auger-shank is suitably pointed, and at proper distance above the point has a screw-thread, so that it may be firmly screwed into the orifice *h* in the disk B, which also has a suitable screw-thread cut therein for receiving the shank A, all as shown.

The disk B is also made thicker around the orifice *h*, in the form of a slight hub, so as to give necessary strength to the central part of the boring-plate.

The circular-shaped lip L is depressed to a proper boring-angle, as shown at L, Fig. 1, and the throat S is for the purpose of enabling the lip or bit L to cut very nearly to the actual center of the plate, the auger-shank being set out of the true center of the plate or disk in a line from the center of the inner end of the throat S, so that the lip L will cut a little outside of the true diameter of the auger-plate, and far enough to make it work freely in boring and lifting the earth out of the hole, which, by this means, will be a little larger than the diameter of the boring-plate.

D is a socket for an ordinary handle for operating the auger.

The plate B may be made of cast metal or stamped out of sheet iron or steel, as may be found most available; and my invention consists chiefly in making the entire auger-plate B in one piece of flat metal when constructed with the circular-shaped lip or bit L, the inner edge of which, by reason of the rotary action of the auger will have a circular or shear cut, reaching nearly to the center of the plate, which, in a post auger of this class, is believed to be of the utmost importance, as it will cut away all fibrous obstructions and at the same time will hold up all the earth it has bored through, which the operator may then remove from the hole by a single lift, which also is greatly facilitated by the auger being made to bore a hole a trifle larger than its own diameter, as herein shown and described.

Having thus fully described the construction, arrangement, and manner of operating my improved post-hole auger, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the auger shank or stem A and boring-plate B, eccentrically pivoted and fixed to and upon the auger-shank A, and provided with a circular lip or bit, L, formed thereon, and having the throat S, the whole being constructed and arranged substantially as and for the purpose shown and described.

HENRY P. HASKIN.

Attest:

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