

G. I. WILLETT.
POST HOLE AUGER.
APPLICATION FILED JUNE 10, 1908.

915,522.

Patented Mar. 16, 1909.

Fig. 1.

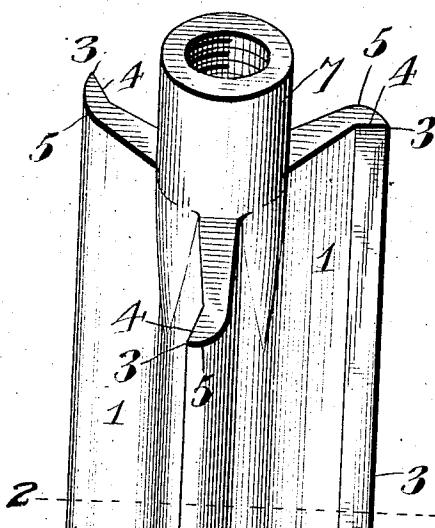


Fig. 2.

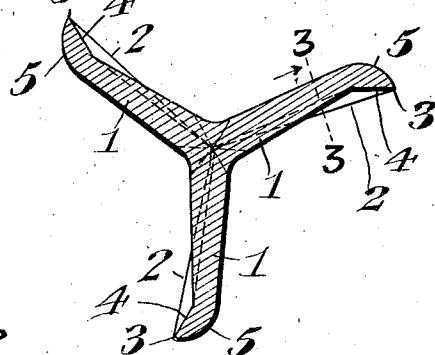


Fig. 3.

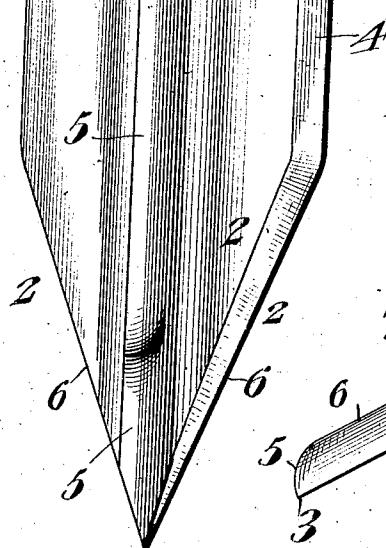
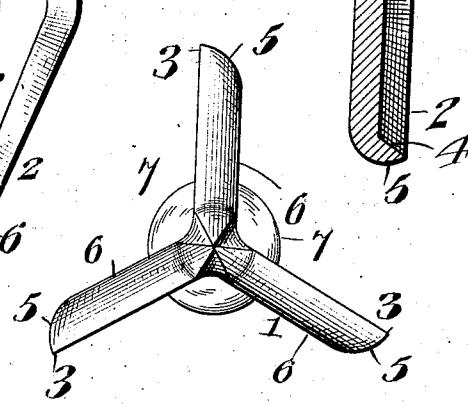


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

GLEN I. WILLETT, OF REE HEIGHTS, SOUTH DAKOTA.

POST-HOLE AUGER.

No. 915,522.

Specification of Letters Patent. Patented March 16, 1909.

Application filed June 10, 1908. Serial No. 437,789.

To all whom it may concern:

Be it known that I, GLEN I. WILLETT, a citizen of the United States, residing at Ree Heights, in the county of Hand and State of South Dakota, have invented a new and useful Post-Hole Auger, of which the following is a specification.

The invention relates to improvements in post hole augers.

The object of the present invention is to improve the construction of post hole augers, and to provide a simple and comparatively inexpensive post hole auger of great strength and durability, adapted to easily penetrate the hardest ground with comparatively little pressure for digging holes for fence posts, etc., and capable of being readily cleaned of dirt and easily sharpened when dull.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claim hereto appended; it being understood that various changes in the form, proportion, size and minor details of construction, within the scope of the claim, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing:—Figure 1 is a perspective view of a post hole auger, constructed in accordance with this invention. Fig. 2 is a horizontal sectional view, taken substantially on the line 2—2 of Fig. 1. Fig. 3 is a detail sectional view, taken substantially on the line 3—3 of Fig. 2. Fig. 4 is an end view of the lower or pointed end of the auger.

Like numerals of reference designate corresponding parts in all the figures of the drawing.

The post hole auger, which may be of any desired size, is constructed of suitable metal and is equipped with a plurality of straight longitudinally disposed equidistant flat blades 1, extending outwardly radially from a common center and connected together at the longitudinal axis of the auger and having tapered lower portions 2 to form a tapered or pointed lower end to the auger. Each of the blades has its outer longitudinal portion turned to form a cutting edge 3, arranged at an angle to the flat body portion and extending in the direction of the rotation of the

auger and having flat front faces 4 and rounded rear faces 5. The rounded rear face of the straight front face forms a sharp cutting edge, the cutting portion being cut out at the front face at an obtuse angle to the body portion of the blade. The cutting edges extend from the upper edges of the blades to the points of the auger, and the upper portion of the cutting edges, extending longitudinally of the body portion of the auger, are vertical, and the lower portions extending along the tapered portions 2 of the blades are inclined, as the lower inclined portions 6 of the cutting edges are tapered from the lower terminals of the vertical portions of the cutting edges to the points of the auger.

The auger is provided at its upper end with an interiorly threaded socket 7, adapted to receive the threaded end of a stem or shaft (not shown), and designed to be provided at its upper end with the usual cross bar or handle by means of which the auger is rotated. The auger, which is designed for boring fence post holes and holes for other posts, easily penetrates the hardest ground and requires but little pressure to operate it. The blades, which are preferably three in number, do not tend to hold the dirt and are easily cleaned. Also the particular construction of the angularly disposed cutting edges enables the auger to be easily ground or filed sharp when the auger becomes dull.

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

An auger including a plurality of straight longitudinal blades tapered at their lower ends to form a pointed auger and composed of a flat body portion, and an outer cutting portion arranged at an angle to the flat body portion and having vertical upper portions and inclined lower portions, the inclined lower portions being tapered from the lower terminals of the vertical portions to the point of the auger.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

GLEN I. WILLETT.

Witnesses:

R. W. SPEIRS,
W. M. T. GARDNER.