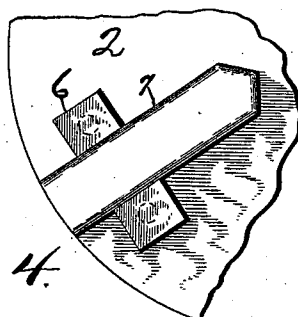
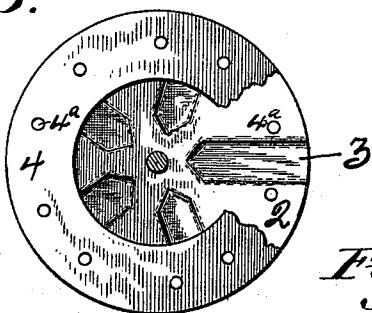
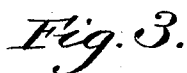
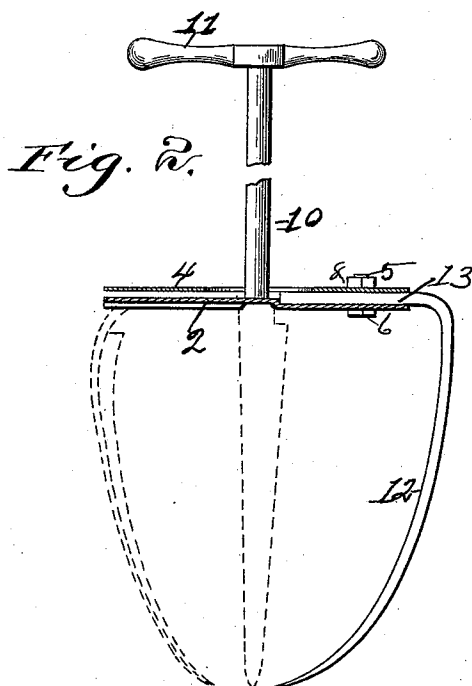


G. LAUBE.
EARTH AUGER.

Patented Mar. 26, 1895.



Witnesses:

J. B. M. Gier.

Percy V. Keating

Inventor

Godfred Sanbe

by Ernst Appun
Atty.

UNITED STATES PATENT OFFICE.

GODFRIED LAUBE, OF HURON, SOUTH DAKOTA, ASSIGNOR OF ONE-HALF TO
M. C. PLUMMER, OF PARALTA, IOWA.

EARTH-AUGER.

SPECIFICATION forming part of Letters Patent No. 536,434, dated March 26, 1895.

Application filed October 24, 1894. Serial No. 526,846. (No model.)

To all whom it may concern:

Be it known that I, GODFRIED LAUBE, a citizen of the United States of America, residing at Huron, in the county of Beadle and State of South Dakota, have invented certain new and useful Improvements in Earth-Augers, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to new and useful improvements in earth augers.

The object of the invention is to produce an earth auger having blades which are readily adjustable in the head without the removal of bolts or the like.

A further object of the invention is to provide an auger having a plurality of cutting blades with shanks which are held in place in a novel and substantial manner.

Furthermore, the object of the invention is to produce an earth auger which is simple in construction, efficient and satisfactory in use, and one that is comparatively inexpensive to manufacture.

With these and other objects in view, the invention consists in the novel combination and arrangement of parts to be hereinafter more fully described and specifically claimed.

In describing the invention in detail reference is had to the accompanying drawings forming part of this specification, wherein like numerals of reference denote similar parts in the several views, and in which—

Figure 1, is a view in side elevation, of an earth auger, illustrating the invention. Fig. 2, is a vertical sectional view on the line *x, x*, of Fig. 1. Fig. 3, is a top plan view of the head with the ring broken away, to more clearly show the formation of the parts. Fig. 4, is a view of a section of the disk looking from the bottom.

In the drawings 1, denotes the head consisting of a metallic disk 2, having arranged therein radial grooves 3, to receive the shanks of the blades (to be hereinafter referred to). Secured on top the disk is a ring 4, in size

corresponding to the disk, said ring and disk having coincident perforations 4^a, on either side of the grooves, said perforations being adapted to receive the bolts 5, which are so arranged as to make their square heads 6, abut the shoulders 7 formed by the depressions in the disk, thus preventing the bolts from turning when the nuts 8, are being adjusted.

The handle is arranged centrally of the disk and consists of the rod 10, having a cross bar 11, at the top thereof and at right angles thereto.

The blades 12, which are employed correspond in number to the grooves in the head, although in Fig. 1, to avoid confusion, only three were shown, although in actual practice it has been found desirable to use five blades. These blades have a right angular shank 13, which fit in the grooves 3, between the ring and the disk, so that when the said ring is secured in place, the blades will be firmly held in position. The blades proper are slightly curved, and when in position in the head the points approach a common center, so that the auger will enter the earth with slight pressure.

The object of the invention, as well as the advantages and operation will be understood from the foregoing description.

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

An earth auger, consisting of a handle, a head composed of a disk having a plurality of grooves forming shoulders on their underneath side, and a ring bolted on the disk, said bolt being on opposite sides of the grooves with the heads of the bolts abutting the shoulders of the disk, blades with shanks entering the grooves and held therein by the ring, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

GODFRIED LAUBE.

Witnesses:

ANNIE T. LAUBE,
HATTIE ROSE LAUBE.