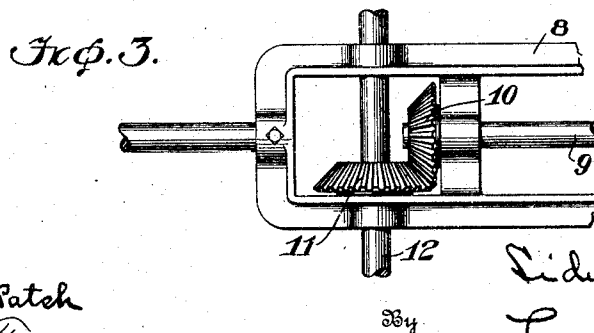
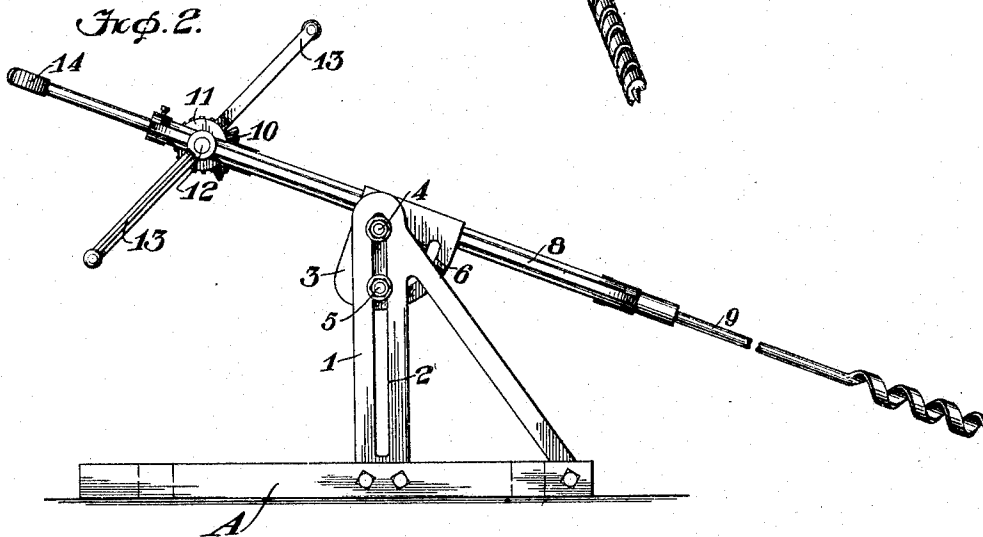
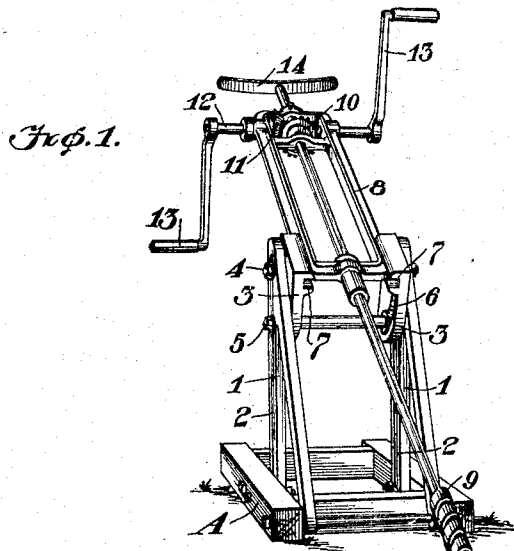


S. F. WADDELL.
BORING MACHINE.
APPLICATION FILED APR. 29, 1909.

947,138.

Patented Jan. 18, 1910.



Witnesses
Lloyd W. Patch
M. N. Freeman

By

Inventor
Sidney F. Waddell
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his Attorneys

UNITED STATES PATENT OFFICE.

SIDNEY F. WADDELL, OF DOTHAN, ALABAMA.

BORING-MACHINE.

947,138.

Specification of Letters Patent.

Patented Jan. 18, 1910.

Application filed April 29, 1909. Serial No. 492,903.

To all whom it may concern:

Be it known that I, SIDNEY F. WADDELL, a citizen of the United States, residing at Dothan, in the county of Houston and State of Alabama, have invented certain new and useful Improvements in Boring-Machines, of which the following is a specification.

My invention relates to an improvement in boring machines, and the object is to provide means whereby an auger can be adjusted to different angles and to different elevations whereby it may be arranged for conveniently boring inclined apertures into stumps for forming draft channels for burning out the stumps, or for boring apertures in logs, timber, and the like.

The invention consists of certain features of construction and combinations of parts which will be hereinafter fully described and pointed out in the claim.

In the accompanying drawings—Figure 1 is a view in perspective; Fig. 2 is a view in side elevation; and Fig. 3 is a sectional view.

A, represents the base, and 1 1 are the standards connected to the base. Vertical slots 2 are formed in the uprights or standards, and connected to the standards are segment plates 3, by bolts 4 and 5. The segment plates are provided with curved slots 6, through which the bolts 5 pass. Grooves or guideways 7 are formed in the plates through which the frame 8 is adapted to slide. Journaled in the frame is the auger 9, which is provided with a gear 10 on the end which meshes with a pinion 11 mounted on the crank shaft 12. Handles 13 are connected with the shaft 12 for rotating the pinion 11 for transmitting rotary motion to the auger 9. A breast plate 14 is connected to the frame 8, which is placed against the breast of the operator in the boring operation for forcing the frame through the guides 7 in the plates 3 as the auger is passing through the object bored. After the hole has been bored in the object, by pulling upon the breast plate 14 the frame will be drawn through the grooves or guides 7 in the plates 3, thereby drawing the auger from the object. By raising or lowering the breast

plate the frame is moved through the plates 3 to obtain the different angular adjustments. This is accomplished by the curved slots 6 which are formed in the plates 3 so that the different adjustments can be obtained by merely moving the frame at an angle for obtaining the angular adjustment desired. By loosening the bolts 4 and 5 the plates 3 and frame 8 can be elevated or adjusted vertically to obtain different elevations of the slots 2, thus providing means whereby the auger or bit can be adjusted for boring at different angles.

From the foregoing it will be seen that I have provided a machine which is simple in construction and by which I am enabled to obtain different angular adjustments by simply moving the frame, and the frame can be adjusted vertically at different elevations.

It is evident that more or less slight changes might be made in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not wish to be limited to the exact construction herein set forth, but:—

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

In a boring machine, the combination with a base having vertically slotted standards, segment plates having curved slots, each standard having two bolts in the slot thereof, said bolts extending through the slot of each standard into said segment plates, one to form a pivot and the other through the slot to secure the plates in axial adjustment, of a frame slidably connected with the segment plates, an auger carried by the frame, a breast-plate for applying pressure to the frame to feed or slide the auger forward, and means for turning the auger.

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

SIDNEY F. WADDELL.

Witnesses:

K. L. FORRESTER,
A. W. LIENBY.