

(No Model.)

H. NAYLOR.  
AUGER HANDLE.

No. 385,475.

Patented July 3, 1888.

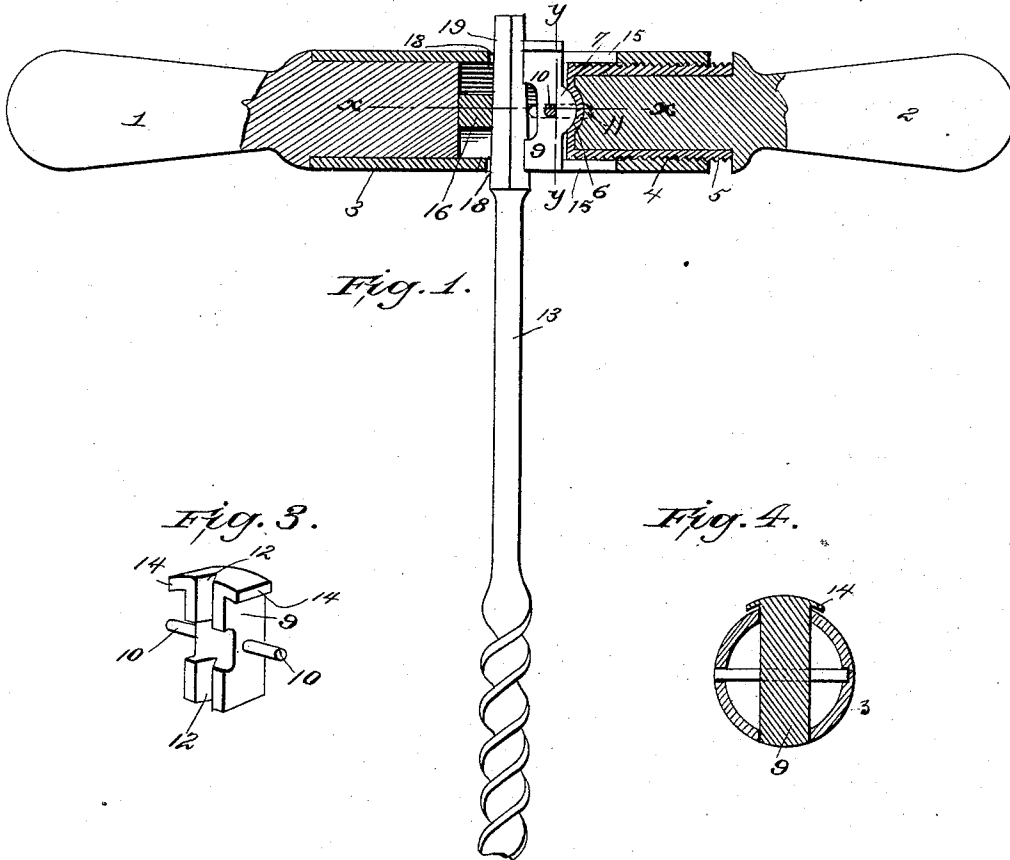


Fig. 1.

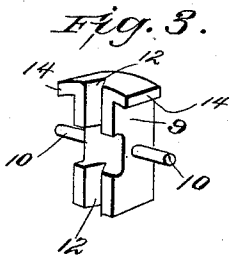


Fig. 3.

Fig. 4.

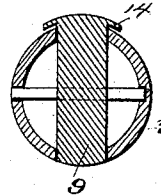
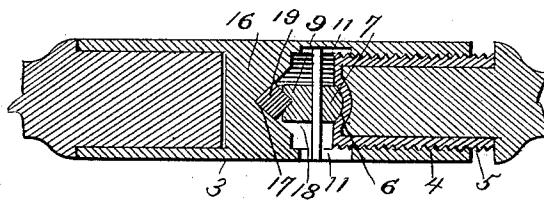


Fig. 2.



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HARRY NAYLOR, OF OIL CITY, PENNSYLVANIA.

## AUGER-HANDLE.

SPECIFICATION forming part of Letters Patent No. 385,475, dated July 3, 1888.

Application filed October 5, 1887. Serial No. 251,513. (No model.)

*To all whom it may concern:*

Be it known that I, HARRY NAYLOR, of Oil City, in the county of Venango and State of Pennsylvania, have invented a new and Improved Auger-Handle, of which the following is a full, clear, and exact description.

This invention relates to an improvement in auger-handles, and has for its object to provide an auger-handle which will securely hold any sized bit in a straight position thereon.

The invention consists in an adjustable auger-handle constructed as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a view of the auger-handle, partly in section, showing a bit clamped therein. Fig. 2 is a detail section on line *x x*, Fig. 1, with handles broken away. Fig. 3 is a detail showing rocker-clamp removed, and Fig. 4 is a vertical section of the rocker-clamp on line *y y*, Fig. 1.

In the construction of my device I employ handles 12, of wood or other suitable material, and on the handle 1, I secure in any suitable manner a metallic cylinder, 3, internally screw-threaded at its end, as at 4. The handle 2 is provided with a metallic screw-threaded cylindrical piece, 5, slipped thereon, which engages the screw-threaded end 4 of handle 1. The screw-threaded piece 5 is formed with a concave circular socket, 6, which bears against a correspondingly-shaped projection, 7, on a rocker-clamp, 9, having pivots 10, adapted to slide in slots 11 in cylinder 3. The clamp 9 is constructed, as shown in Fig. 3, with angular slot 12, to adapt it to fit against the shank of a bit, 13, and with flanges 14, overlapping cylinder 3, as shown in Fig. 4.

The ends of the clamp 9 are located in slots 15 in cylinder 3. The latter is provided with a cross-piece, 16, having a V-shaped notch, 17, to receive the shank of a bit. The cylinder 3 is formed with slots or openings 18, through which any sized shank may be introduced.

It will be seen that by the construction heretofore described the clamp-piece may be adjusted toward the cross-piece to clamp the shanks of bits of different sizes.

In securing a bit, 13, to the handle, the shank 19 is inserted through openings 18 and lies against notched cross piece 16. The handle 2 is then screwed up and carries clamp 9 against the shank 19, and firmly clamps the same against the cross-piece 16. The shank 19 extends through opening 18 in cylinder 3, and has vertical play therein, so that the clamp 9, when forced against shank 19, will, by means of its pivots 10, rock the bit on cross piece 16 and clamp it in a straight position.

It will be seen that the shank does not touch the cylinder, but is securely held in a straight position by a rocker-clamp and a cross-piece.

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

1. An auger-handle formed with a cylinder having openings, in the line of which project a fixed notched cross-piece and a rocker-clamp adapted to move lengthwise of the handle, and means, substantially as described, to force the rocker-clamp toward the cross-piece and clamp a bit, substantially as described.

2. An auger-handle consisting of handle 1, having cylinder 3, with central opening, 18, at top and bottom thereof, corresponding with each other, and a horizontal notched cross-piece, 16, extending across and at one side of the vertical line of said openings, a rocker-clamp, 9, having flanges 14, overlapping cylinder 3, and provided with an angular slot, 12, and pivot-pins 10, adapted to slide in slots 11 in cylinder 3, the ends of clamp 9 being also adapted to slide in slots 15 in cylinder 3, and said clamp having a projection, 7, and the screw-threaded handle 2, with cavity 6, fitting over projection 7, substantially as described.

HARRY NAYLOR.

Witnesses:

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