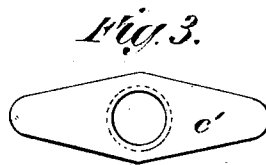
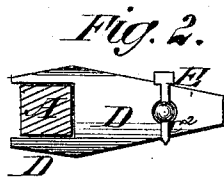
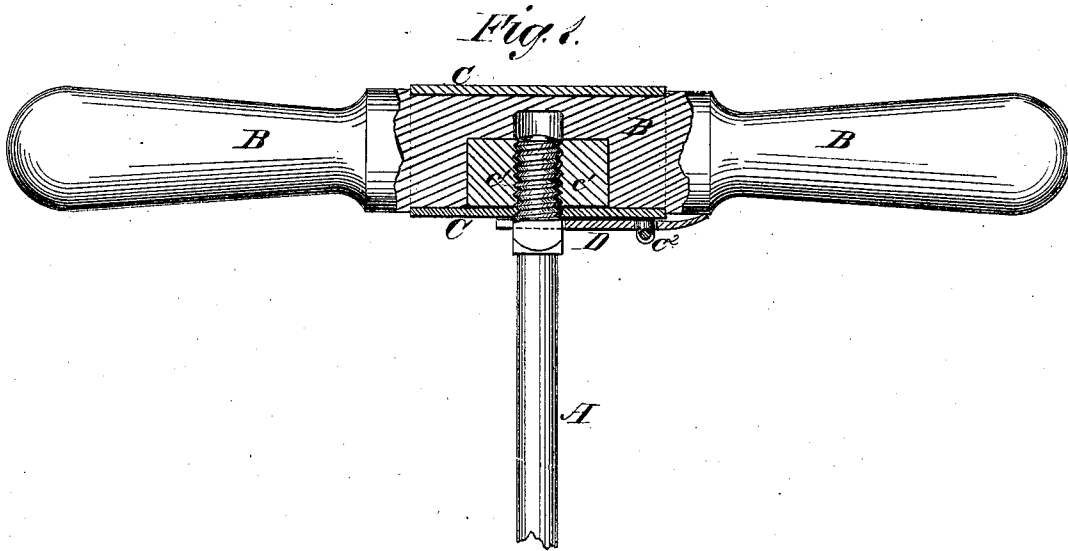


J. MAGERS.
AUGER-HANDLE.

No. 177,529.

Patented May 16, 1876.



WITNESSES:

Francis McArdle.
Adelquick

INVENTOR:

J. Magers
BY *Wm. H. [Signature]*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES MAGERS, OF GERVAIS, OREGON.

IMPROVEMENT IN AUGER-HANDLES.

Specification forming part of Letters Patent No. **177,529**, dated May 16, 1876; application filed March 13, 1875.

To all whom it may concern:

Be it known that I, JAMES MAGERS, of Gervais, in the county of Marion and State of Oregon, have invented a new and useful Improvement in Auger-Handles, of which the following is a specification:

Figure 1 is a side view of one of my improved augers, partly in section through the handle to show the construction. Fig. 2 is a detail view of the locking-wrench. Fig. 3 is a detail view of the nut.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish augers which shall be so constructed that the bit can be readily attached to and detached from the handle, and in which the bit, when attached, will be firmly held in place, thereby furnishing the public with a cheap and durable handle.

The invention will first be described in connection with the drawing, and then pointed out in the claims.

A represents the bit, and B represents the handle. Upon the middle part of the handle, which is formed in one piece, and not in two parts, is placed a metallic band, C, three inches, more or less, in length, and upon the lower side of which is formed, or within it is placed, an inwardly-projecting nut, c^1 , which enters a hole or recess in the handle B. Upon the upper end of the shank of the bit A is formed a screw-thread, which fits into the screw-thread of the nut c^1 . The bit A, just below the screw-

thread, is squared off to receive the notch of the small wrench holding or locking plate D. The locking-plate D is so formed as to fit upon the lower side of the band C and handle B. In the locking-plate D is formed a hole to receive a small stud, c^2 , attached to the band C near its end, and which has a small transverse hole formed through it to receive a key, E, for securing the said locking-plate in place.

The locking-plate D may be secured in place by a spring-catch or other fastening, if desired.

By this construction the locking-plate D prevents the bit from turning in the handle when the auger is in use, and at the same time allows the bit to be readily detached and attached when desired.

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

1. A nut, c^1 , for the threaded end of auger-bit, held in the socket of the auger-handle by a surrounding band, C, as and for the purpose described.

2. In augers, the plate D, forked at one end to hold the squared shank of bit, and apertures near the other to fit over the lug c^1 of band-plate, substantially as shown and described, for the purpose specified.

JAMES MAGERS.

Witnesses:

JOHN H. PALMER,
J. L. CROUSE.