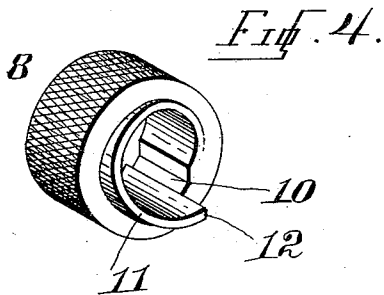
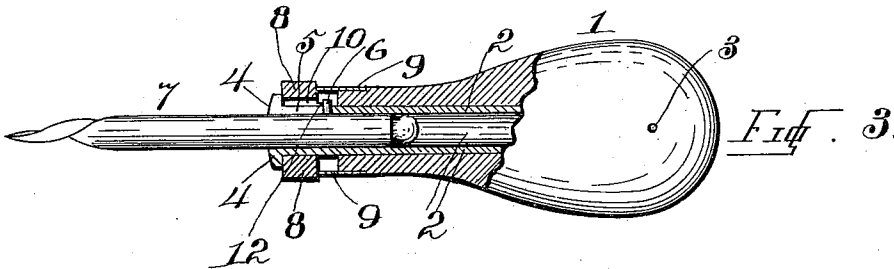
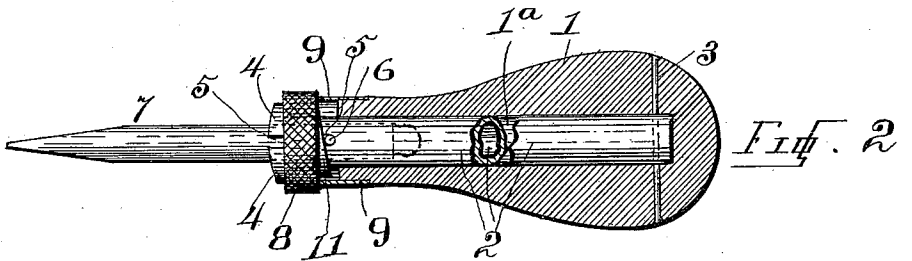
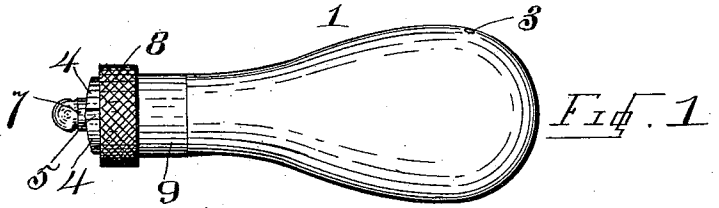


(No Model.)

F. H. WHITNEY.
TOOL HANDLE.

No. 574,839.

Patented Jan. 5, 1897.



Witnesses

John Stump
J. E. Smith

Inventor
Frank H. Whitney

By *C. J. DeR.*
Attorney

UNITED STATES PATENT OFFICE.

FRANK H. WHITNEY, OF SPRINGFIELD, VERMONT.

TOOL-HANDLE.

SPECIFICATION forming part of Letters Patent No. 574,839, dated January 5, 1897.

Application filed October 31, 1896. Serial No. 610,681. (No model.)

To all whom it may concern:

Be it known that I, FRANK H. WHITNEY, a citizen of the United States, residing at Springfield, in the county of Windsor and State of Vermont, have invented certain new and useful Improvements in Tool-Handles, of which the following is a specification.

This invention relates to woodworking or other tools, and particularly to a tool-handle; and the object of the invention is to provide a handle to carry a tool locked therewith.

A further object of the invention is to provide a new and novel and improved means for locking a tool therein either in operative position or when housed by the handle.

The invention consists in the novel construction and arrangement of parts, and resides, essentially, in a ring having a cam to lock a tool-handle and tool rigidly together whether the tool be in operative position or housed by the handle.

In the accompanying drawings, forming part of this application, Figure 1 is an elevation of my improved handle having a tool housed therein. Fig. 2 is a sectional view of the handle, showing the tool locked in operative position, with the locking mechanism in elevation. Fig. 3 is a longitudinal sectional view of the tool and handle with the latter unlocked and the tool in position to be drawn from the handle. Fig. 4 is an enlarged perspective view of the locking-ring.

Same numeral references denote the same parts throughout the several figures of the drawings.

The handle 1 is of ordinary construction, having a central bore 1^a, in which a tube 2 is secured by a pin 3 or other suitable means to fix the tool rigid with the handle.

The outer end of the tube 2 has a rim 4 and a slot 5, extending through the rim and reaching for a short distance into the tube for the purpose of receiving a lug 6 in the end of the tool 7 whether said tool be housed by the handle and tube or locked in operative position in and to said tube.

The tool is locked to the tube by means of a locking-ring 8, revolubly held between the ferrule 9 of the handle and the rim 4. The ring has an inner groove 10, and upon its in-

ner face a cam 11 extends from one side of the said groove around the edge of the ring-opening and terminates short of the other side of the groove flush with the said inner face of the ring. This cam is housed or concealed by the handle-ferrule 9.

To insert the tool, the groove 10 and the slot 5 have simply to be put in alinement with each other, so that the lug 6 may pass through the groove to the end of the slot; and to lock the tool in place the locking-ring has simply to be turned to the left, which causes the edge of the cam to engage the lug and wedge the ring between the rim 4 and said lug. In unlocking the tool it is obvious that the ring has simply to be turned to the right until the large or wide end 12 of the cam strikes the side of the lug where the turning of the ring is stopped by the said lug, leaving the groove and slot in alinement and the tool in position to be withdrawn from the handle.

The simplicity of the device resides in the manner of locking the tool in one or the other positions without employing an implement and by simply turning the locking-ring either to the right or left, as desired.

It is obvious that tools of various character may be employed, it only being necessary that such tools have a lug adapted to engage the slot and groove.

I do not wish to be understood as limiting myself to a handle or tool of any particular size, to any particular tool, nor to the size or material of which the several parts are composed, but reserve to myself the right to make such changes or alterations in the manufacture of the same as may be found most beneficial and desirable.

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

1. The combination with a tool-handle having a slotted rim, and a tool provided with a lug or projection, of a ring revolubly confined between the said rim and handle and having a groove and a cam to wedge the ring between the rim and tool end for the purpose of locking the tool to the handle, as set forth.

2. The combination with the tool-handle having a hollow body, and a tube secured in

said body and provided with a slot extending through the tube-rim, of a ring revolubly confined between the said rim and end of the handle and having a groove to register with
5 the said slot, a cam upon the ring adapted to engage a lug or projection on a tool to lock the latter to the said tube, as set forth.

In witness whereof I hereunto set my hand in the presence of two witnesses.

FRANK H. WHITNEY.

Witnesses:

A. M. ALLBE,

L. L. KIMBALL.