

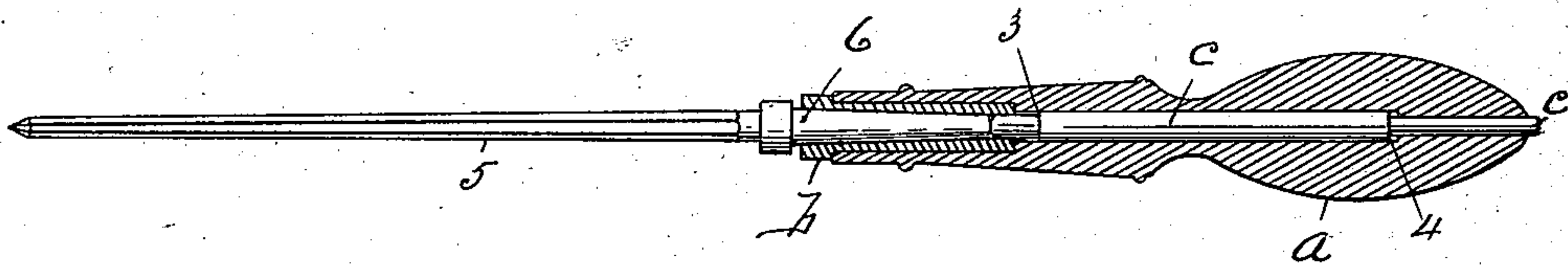
(No Model.)

C. L. YOUNG.

TOOL HANDLE.

No. 377,003.

Patented Jan. 24, 1888.



Witnesses
Wm. H. Chapin
G. W. Chamberlain.

Inventor.
Christie L. Young.
By Chapin & Co.
attys.

UNITED STATES PATENT OFFICE.

CHRISTIE L. YOUNG, OF SPRINGFIELD, MASSACHUSETTS, ASSIGNOR TO
CHARLES S. SAXTON, OF SAME PLACE.

TOOL-HANDLE.

SPECIFICATION forming part of Letters Patent No. 377,003, dated January 24, 1888.

Application filed February 21, 1887. Serial No. 228,291. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIE L. YOUNG, a citizen of the United States, residing at Springfield, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Tool-Handles, of which the following is a specification.

This invention relates to handles for tools, the object being to provide for tools having shanks of a certain form an improved handle provided with a tool-ejector; and the invention consists in the peculiar construction and arrangement of the various parts of the handle, all as hereinafter fully described, and pointed out in the claim.

In the drawing forming part of this specification is illustrated, partly in longitudinal section and partly in side elevation, a tool-handle constructed according to my invention, said drawing showing a tool connected with said handle.

In the drawing, *a* is the body of the handle, consisting of wood or any other suitable material. The said handle-body *a* is perforated longitudinally, and in one end thereof is secured the tool-shank socket *b*, which is tapered internally, as shown, and has its lower end perforated. Within the perforation in the handle-body, between said tool-shank socket and the rear end of said body, is placed an ejector-pin, *c*, one end of which passes through the bottom of said tool-shank socket, and the opposite end thereof extends beyond the rear end of the handle-body *a*. The said ejector-pin *c* has a shoulder, 3, formed thereon near the tool-shank socket, and a second shoulder at 4 near its rear end. Said ejector-pin has a free endwise movement within the body *a*, said shoulder 4 thereon limiting its said movement in a rearward direction by the impact of said shoulder 4 against a shoulder formed in the inner part of the body *a*. The said shoulder 3 on the pin *c* limits the movement of the lat-

ter in a direction toward the tool-shank socket *b* by striking against the lower end of the latter.

The above-described tool-handle is adapted to be used with tools having thereon a tapered shank which fits closely the said tapered socket *b*. In the drawing is represented a reamer, 5, having a shank, 6, thereon, tapered as above described, and said handle is adapted to be used with any tool having a tapering shank which fits its socket closely enough to prevent the tool from turning when it is used.

When no tool is in the handle, the ejector-pin *c* has such a free endwise movement that one end thereof enters the bottom of the socket *b* as far as it is permitted by the shoulder 3 thereon; but when the tool-shank 6 is forced into the socket *b* the lower end of said shank strikes the end of the ejector-pin and pushes it endwise, causing one end thereof to project beyond the rear end of the body *a*, as shown in the drawing, and to remove the tool from the handle it is only necessary to strike the said projecting end of the ejector-pin, thus driving it quickly against the end of the tapering shank 6, whereby the tool is quickly thrown out of the handle.

What I claim as my invention is—

The herein-described tool-handle, consisting of the handle having the internally tapered tool-shank socket *b*, rigidly secured in one end thereof, and the ejector-pin *c*, extending from beyond the rear end of said handle and secured within the latter, said pin having a free endwise movement in the handle, and having one end entering the inner end of said socket, combined with a tool having a tapering shank fitting said socket and capable of engagement with the inner end of said pin, substantially as set forth.

C. L. YOUNG.

Witnesses:

G. M. CHAMBERLAIN,
WM. H. CHAPIN.