W. E. SCHWIN.

Tool-Handle.

No. 167,273. Patented Aug. 31, 1875.

*Fig. 1.*

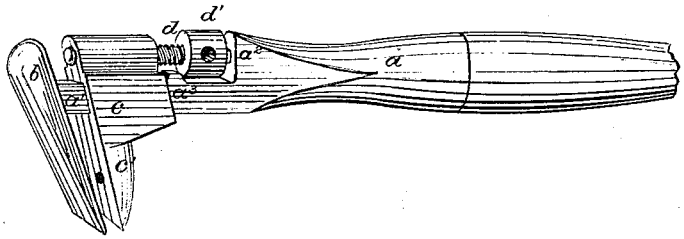



*Fig. 2.*

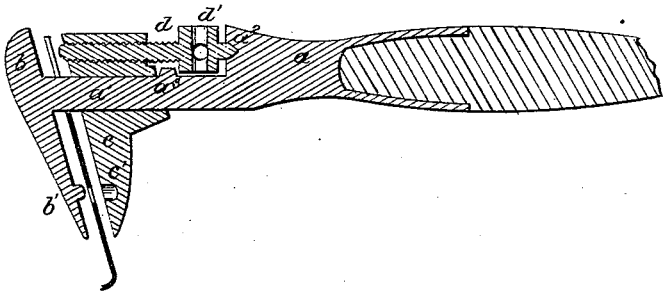



*Fig. 3.*

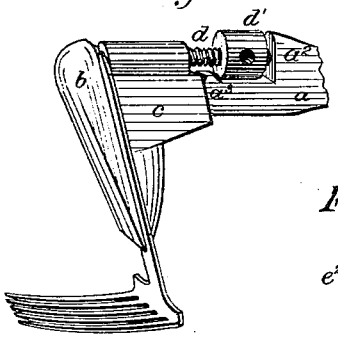



*Fig. 4.*

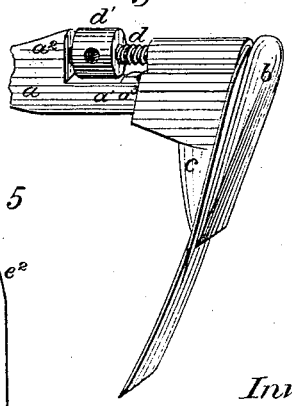
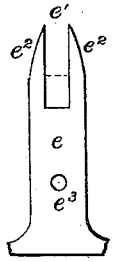



*Fig. 5*




*Attest:*

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J. B. Holderby

*Inventor:*

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per R. S. & A. P. Lacey Jattys

# UNITED STATES PATENT OFFICE.

WILLIAM E. SCHWIN, OF TALLADEGA, ALABAMA.

## IMPROVEMENT IN TOOL-HANDLES.

Specification forming part of Letters Patent No. **167,273**, dated August 31, 1875; application filed January 26, 1875.

*To all whom it may concern:*

Be it known that I, WILLIAM E. SCHWIN, of Talladega, in the county of Talladega and State of Alabama, have invented certain new and useful Improvements in Tool-Handles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in devices for holding different kinds of garden and field tools.

It consists in the combination, with the head of a tool-handle and the movable jaw thereof, of an adjusting-screw arranged exterior to, and above, the shaft on which the jaw moves, and which is journaled in a shoulder on the head, and threaded in the heel of said movable jaw, as will be hereinafter more fully explained and pointed out in the claim.

In the drawings, Figure 1 is a perspective, Fig. 2 a longitudinal vertical sectional, and Figs. 2, 3, and 4 detail views, showing my invention, its application in use of different tools, and the construction of the tang or shank of the tool.

*a* is the head made of cast or wrought iron. It has a suitable socket by which it is attached to an ordinary handle. It is provided with the rectangular shaft $a^1$, the shoulder $a^2$, and the projection $a^3$, and to its outer end is attached the fixed jaw *b*. *c* is the movable jaw. It is suitably perforated and slides on the shaft $a^1$ between the projection $a^3$ and the jaw *b*. It is constructed so as to fit neatly against the jaw *b*. Its upper portion or heel is perforated and threaded to receive the adjusting-screw, hereinafter described. *d* is the adjusting-screw arranged on the upper side of the shaft $a^1$. It is journaled in the shoulder $a^2$. Its head or thumb-piece $d^1$ bears against the projection $a^3$, and by it the jaw *c* is forced against, or withdrawn from, the jaw *b* in the act of fastening or releasing the tang of the implement in use. *e* shows the manner of constructing the tang of the implement used in my improvement. This tang may be constructed in connection with almost any kind of garden or field tool, such as hoes, picks, forks, rakes, &c. Fig. 3 shows a garden or pitch fork, and Fig. 4 a hoe constructed with this tang and attached to my improved handle. By extending the arms $e^2$ upward a small two-prong garden-rake is formed.

I am aware of the existence of the patent issued to Alexander Boyden, No. 55,000, and dated May 26, 1866. I do not claim any of the devices described by, and patented to, him.

What I claim, and desire to secure by Letters Patent, is—

In a tool-handle, the combination, with the head *a*, provided with the shoulder $a^2$, and projection $a^3$, and the movable jaw *c*, of the adjusting-screw *d* arranged exteriorly to the shaft $a^1$, and journaled in the shoulder $a^2$, and threaded in the heel of the movable jaw *c*, substantially as and for the purpose shown.

In testimony that I claim the foregoing as my own, I hereto affix my signature in presence of two witnesses.

WILLIAM E. SCHWIN.

Witnesses:
N. D. CRISWELL,
EDWIN BROWN.