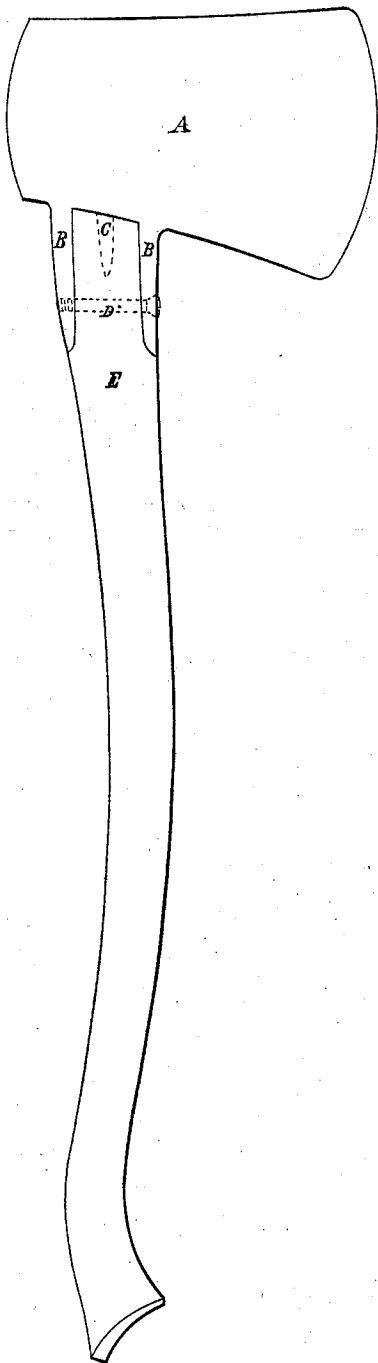


J. W. POTTER.

ATTACHING HANDLES TO AXES, HAMMERS, &c.

No. 176,807.

Patented May 2, 1876.



WITNESSES.

J. H. Perry
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INVENTOR.

Jeffery W. Potter.

UNITED STATES PATENT OFFICE.

JEFFERY W. POTTER, OF PERRYSVILLE, RHODE ISLAND.

IMPROVEMENT IN ATTACHING HANDLES TO AXES, HAMMERS, &c.

Specification forming part of Letters Patent No. **176,807**, dated May 2, 1876; application filed November 11, 1875.

To all whom it may concern:

Be it known that I, JEFFERY W. POTTER, of Perrysville, in the town of South Kingston, Washington county, Rhode Island, have invented an Improvement in Attaching Handles to Axes, Hammers, &c., of which the following is a specification:

This invention relates to an improved means of attaching handles to axes, hammers, and other implements; and consists in the combination of two flanges projecting from the tool-head to support the handle outwardly, with a central pin and a transverse bolt or rivet through the flanges and handle, reference being had to the accompanying drawing representing a longitudinal central section of an ax embodying my improvements.

A is the ax, formed without an eye, and provided with the projections B B, which extend a suitable distance along the front and back of the handle E to support it. A pin, C, projects from the ax about midway of these flanges. This pin enters a hole in the end of the handle to steady and hold it in

place, and may be made tapering, so as to spread the end of the handle and better fill the space between the projections B B. A transverse bolt, D, passes through the projections B B and the handle. It is provided with a nut to secure it, or a screw-thread to engage with a corresponding thread in one of the flanges B.

By these means handles may be readily and firmly secured to the tool's, or removed and replaced, and by a uniform construction of the parts they will become interchangeable, or one handle will be adapted to several tools, and facilitate their attachment and detachment, and save much time and trouble.

Thus, having described my invention, I claim—

The combination of the implement A with the flanges B B, the pin C, bolt D, and handle E, as set forth.

JEFFERY W. POTTER.

Witnesses:

M. F. PERRY,
H. B. PERRY.