

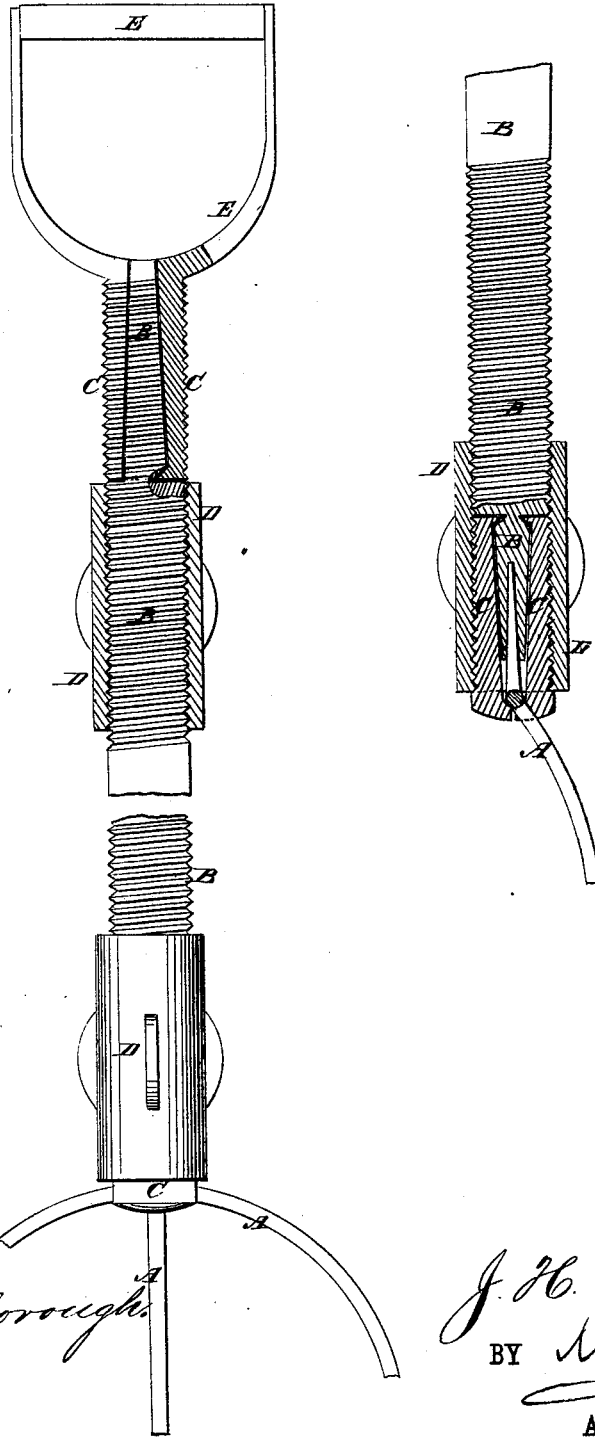
J. H. ANTHONY.
TOOL-HANDLES.

No. 195,739.

Patented Oct. 2, 1877.

Fig. 1.

Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN H. ANTHONY, OF CAMANCHE, IOWA.

IMPROVEMENT IN TOOL-HANDLES.

Specification forming part of Letters Patent No. **195,739**, dated October 2, 1877; application filed August 18, 1877.

To all whom it may concern:

Be it known that I, JOHN HOPKINS ANTHONY, of Camanche, in the county of Clinton and State of Iowa, have invented a new and useful Improvement in Fastenings for Tool-Handles, of which the following is a specification:

Figure 1 is a front view of a fork to which my improved fastenings have been applied, the upper screw-ferrule being shown in section, and part being broken away to show the construction. Fig. 2 is a detail sectional view of the lower part of the fastening.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish improved fastenings for securing tools or hand-pieces to handles, which shall be so constructed as to enable the said tools or hand-pieces to be applied to new handles easily and quickly, so as to avoid loss of time and expense, and which shall hold the said tools and hand-pieces firmly and securely.

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

I will describe the fastenings as applied to a fork; but they are equally applicable to rakes, hoes, and various other tools.

A represents a fork, the shank of which is inserted in a hole in the end of the handle B. The front and rear sides of the end of the handle B are shaved off or flattened, and transverse grooves are cut in the inner ends of said flattened parts. The pieces or clamps C are then applied to said flattened places, as shown in Figs. 1 and 2. The inner sides of the clamps C are flat, their inner ends have inwardly-pro-

jecting flanges formed upon them, and their outer sides are rounded off to correspond with the surface of the handle B. Upon the outer surface of the clamps C and handle B is cut a screw-thread, to receive the threads of the screw-ferrule D, the outer surface of which should have flanges, lugs, or projections formed upon it, to enable it to be grasped and turned by a wrench.

In the case of hand-pieces E and of some tools, the clamps C may be formed upon the said hand-pieces and tools, and may be then applied to the flattened sides of the handle, as shown in the upper part of Fig. 1, and secured in place by screw-ferrules, as hereinbefore described.

When the clamps C are separate their outer ends should be so formed as to grasp the head of the tool, as shown in Fig. 2.

With this construction, by screwing the screw-ferrule D inward upon the handle B until the clamps C are uncovered, the tool and handle can be readily separated, so that the tool may be readily supplied with a new handle.

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

The combination, with the ferrule D, of the handle B, longitudinally flattened and transversely grooved at upper end, and the clamp C, flattened and flanged on the inside, as and for the purpose specified.

JOHN HOPKINS ANTHONY.

Witnesses:

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