

A. R. SWEAT.

Improvement in Tool Handle Fastening.

No. 124,517.

Patented March 12, 1872.

Fig. 1.

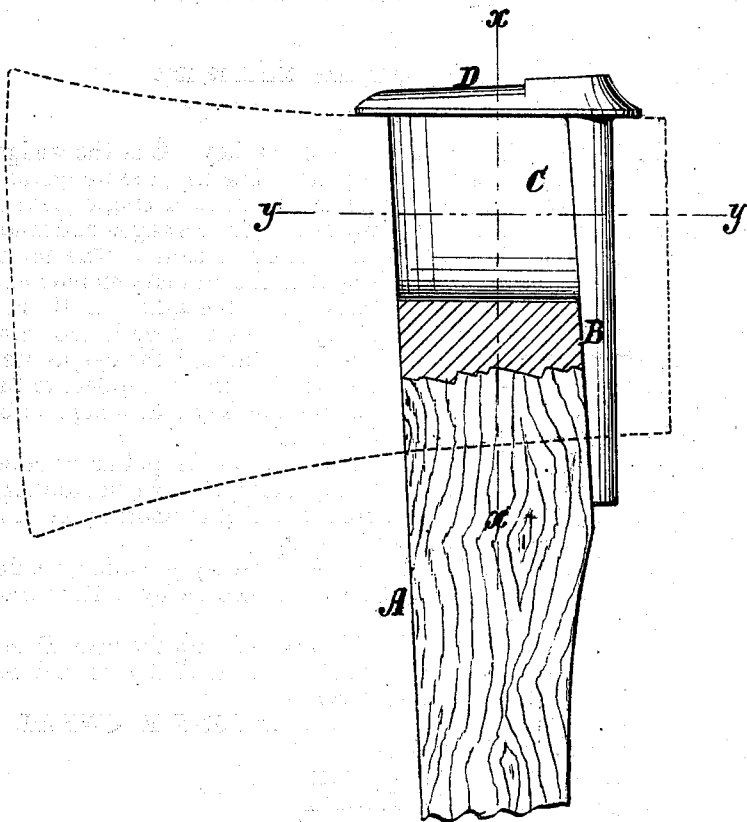


Fig. 2.

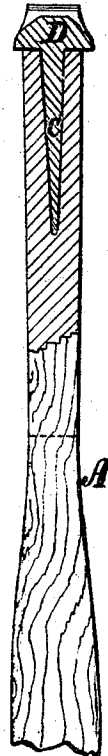
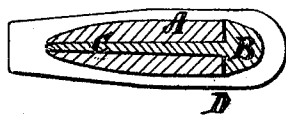


Fig. 3.



Witnesses:

A. Bennekenhoff.
Geo. W. Mabee

Inventor:

A. R. Sweat

PER

Munn & Co.
Attorneys

UNITED STATES PATENT OFFICE.

ALANSON R. SWEAT, OF HARLAN, IOWA, ASSIGNOR TO HIMSELF AND B. B. MASTICK, OF SAME PLACE.

IMPROVEMENT IN TOOL-HANDLE FASTENINGS.

Specification forming part of Letters Patent No. 124,517, dated March 12, 1872.

Specification describing a new and Improved Tool-Handle Fastening, invented by ALANSON R. SWEAT, of Harlan, in the county of Shelby and State of Iowa.

The object of this invention is to provide ready and convenient means for fastening axes, hatchets, hammers, and similar tools on to handles, so that such tools may be readily removed in case of failure, and so that the handle itself will be greatly strengthened thereby; and it consists in a combined key and wedge attached to a head-plate, the construction and application being as hereinafter more fully described.

In the accompanying drawing, Figure 1 is a sectional side view, showing the handle and fastening with the ax in dotted lines. Fig. 2 is a section of Fig. 1 taken on the line *x x*. Fig. 3 is a section of Fig. 1 taken on the line *y y*.

Similar letters of reference indicate corresponding parts.

A is the handle, which is fitted to the eye of the ax or other tool in the ordinary manner, except that the handle-shank is made narrower so that a space is left at the back of the eye

for the key. B is the key. C is the wedge. D is the head-plate. The key, the wedge, and the head-plate are made in a single piece of metal, and may be forged or swaged and made of malleable iron or other metal. The end of the handle is split in the ordinary manner and the wedge is driven into the split with the key at the back of the handle, as seen in the drawing. The key projects through the eye, as seen in the drawing, which forms a support to the handle and allows the key and wedge to be driven out with ease.

By this method the handle and ax or other tool is readily separated, and the handle may be changed from one tool to another, as may be found convenient.

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

The wedge C provided with the head D and key B, constructed substantially as and for the purpose described.

ALANSON R. SWEAT.

Witnesses:

SAM SMITH,
W. H. CARL.