

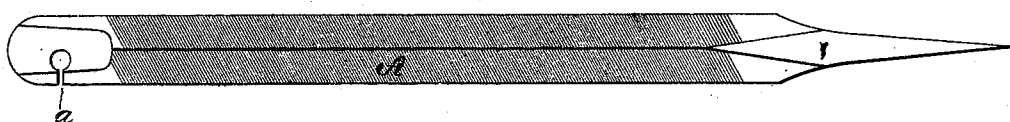
E. M. BOYNTON.

COMBINED SAW-FILE AND SET.

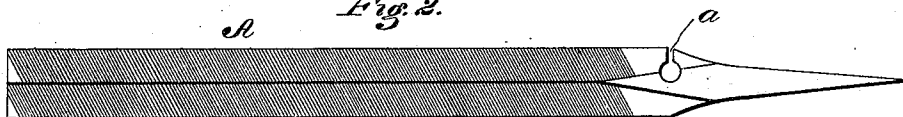
No. 178,832.

Patented June 20, 1876.

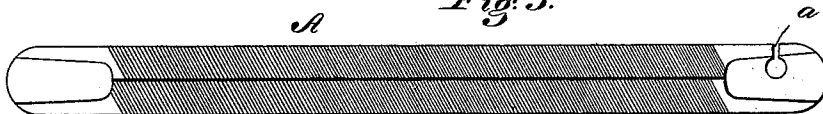
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses:*

*Oliver A. Twitchell.*  
*Will A. Dodge.*

*Inventor:*

*E. M. Boynton.*  
*By his attys.*  
*Dodge & Son.*

# UNITED STATES PATENT OFFICE.

EBEN M. BOYNTON, OF NEWBURYPORT, MASSACHUSETTS.

## IMPROVEMENT IN COMBINED SAW FILES AND SETS.

Specification forming part of Letters Patent No. **178,832**, dated June 20, 1876; application filed March 30, 1876.

*To all whom it may concern:*

Be it known that I, EBEN MOODY BOYNTON, of Newburyport, in the county of Essex and State of Massachusetts, have invented certain Improvements in Combined Saw File and Set, of which the following is a specification:

My invention consists of a file so constructed that it may be used as a saw-set, and in having its ends flattened and rounded, so that it may be conveniently used without a handle, and carried in the pocket.

Figures 1 and 2 represent files having the saw-setting feature alone applied, while Fig. 3 represents a file embodying both features of my invention.

This improvement is specially designed to be applied to saw-files, so that the operator can conveniently carry with him the means for setting and filing a saw, it being more especially intended for the use of lumbermen, or persons engaged in cutting logs and the like, though, as is obvious, it may be used by others also.

It often happens that a saw needs setting, or both setting and sharpening, while being used in the woods, or at other places where the usual tools for performing these operations are not at hand. It is to afford convenient means for these purposes that my invention is designed.

In order to enable the file to be used as a saw-set I make a notch, *a*, in the edge or end of the file, as shown in the several figures, this notch being of a suitable width to admit the tooth of the saw to be inserted therein,

and being preferably so enlarged at its inner extremity as to prevent the point of the tooth from coming in contact with the metal, as shown.

In applying this improvement to a file intended to be used with a wooden handle, as is customary, the end may be flattened, and the notch *a* formed therein, as shown in Fig. 1; or it may be formed in one edge of the shank at the opposite end, as shown in Fig. 2.

When it is designed to carry the file in the pocket it will be made as represented in Fig. 3, in which case the tang for the handle is dispensed with, and both ends rounded and flattened, the flattening being to give a better hold on the file, and the rounding of the ends being to prevent accident or injury from carrying it in the pocket.

The form shown in Fig. 3 represents a file embodying both features of my improvement as I prefer to make it; but it is obvious that either feature may be applied alone, if desired.

Having thus described my invention, what I claim is—

1. The file A, provided with a notch, *a*, to enable it to be used for setting the teeth of a saw, substantially as described.

2. The file A, having its ends flattened and rounded, substantially as shown, with the notch *a*, as set forth.

EBEN M. BOYNTON.

Witnesses:

WM. M. PENDLETON,  
C. D. ROGERS.