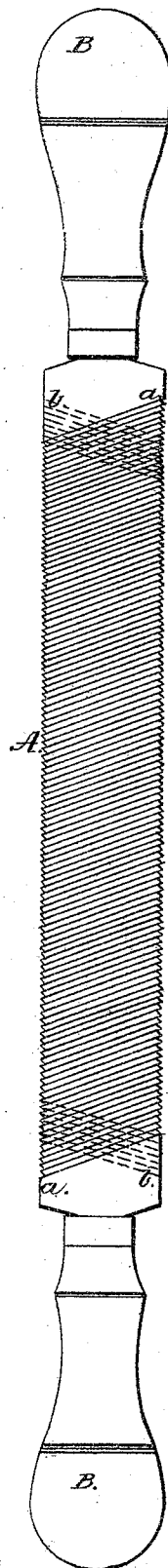
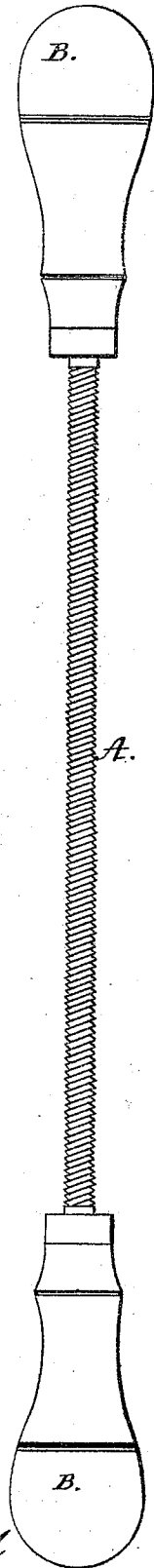


ISAAC N. PATTEN.

Improvement in Files.

No. 119,947.

Patented Oct. 17, 1871.



Attest;

John J. Treus
George W. Griffith

Inventor;

Isaac N. Patten
By Myers & Co. atty.

UNITED STATES PATENT OFFICE.

ISAAC N. PATTEN, OF MEMPHIS, TENNESSEE.

IMPROVEMENT IN FILES.

Specification forming part of Letters Patent No. 119,947, dated October 17, 1871.

To all whom it may concern:

Be it known that I, ISAAC N. PATTEN, of Memphis, in the State of Tennessee, have invented certain Improvements in Files, of which the following is a specification:

Figure 1 is a plan view of my invention. Fig. 2 is a transverse view, showing the narrow edge thereof.

My invention relates to an improvement in that class of files which is especially adapted to sharpening saws. It consists of the file A, with teeth running to the right hand on its one side and to the left on its opposite side, and the handles B, when constructed and arranged substantially as shown and described.

A is a metallic file, whose teeth on the one or upper face, as shown at *a*, incline at an angle contrariwise to those on the lower or opposite side thereof, as shown by the dotted lines at *b*, which latter represent the angle or inclination of the teeth on the lower side thereof. B B are two handles, one upon either end of the file, which furnish a convenient hold for both hands, whereby the file can be moved along upon the teeth of the saw its full length, thereby causing a uniformity of wear upon the full length of the file between the handles and a consequent economy of the wear of the device. Said handles, in conjunction with the teeth or cut of the file, which latter runs or inclines to the right hand

on one side or face and to the left on the opposite side, are designed to admit of the filing of a right and left-hand tooth of a saw without reversing the ends of the file, as customary, but by simply turning the file over, which is readily appreciated in practice. Hence it is constructed of uniform dimensions its entire length, and is provided with a tang upon either end thereof for securing thereon the handles.

In saw-files and others which are employed for a similar purpose but one handle is provided, and hence the file is only partially worn out by use, when it has to be thrown aside and a new one substituted; whereas the construction of my file is such that it can be thoroughly worn out before a necessity exists for its being superseded by another file.

I claim—

As an improved article of manufacture, a flat file, whose teeth have the strike and dip, as described and shown, and whose ends terminate in tangs and handles, as set forth.

In testimony of this my application for Letters Patent for an improvement in mill-saw files I hereunto sign my name.

I. N. PATTEN.

Witnesses:

JAMES ROSE,
A. R. GOODLETT.

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