

H. Robert,

Recutting Files.

No. 91,271.

Patented June 15, 1869.

Fig. 1.

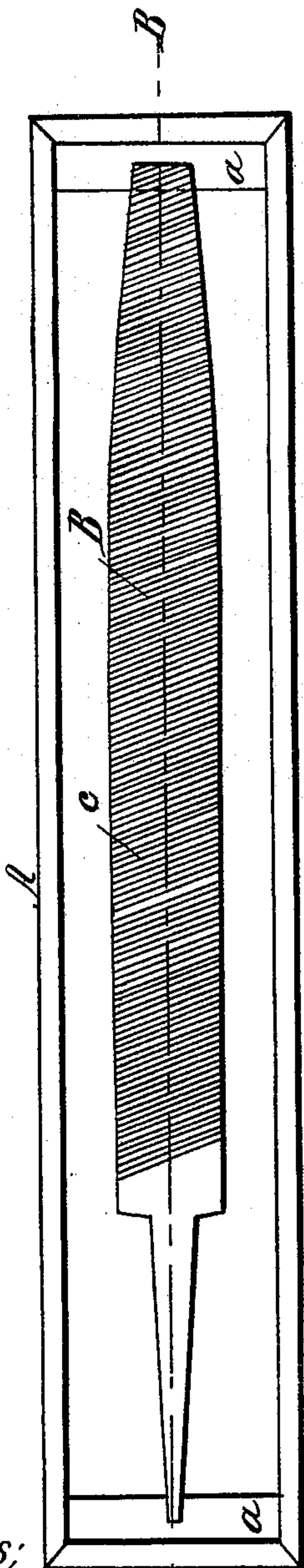
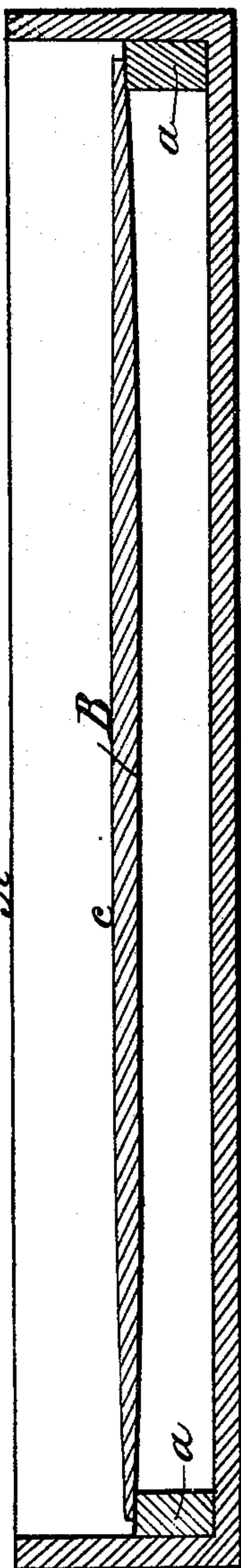


Fig. 2.



Witnesses;

Thos H Dodge

Geo H Miller

Inventor;

Histe Robert



XISTE ROBERT, OF WORCESTER, MASSACHUSETTS.

Letters Patent No. 91,271, dated June 15, 1869.

IMPROVED PROCESS FOR RECUTTING FILES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, XISTE ROBERT, of the city and county of Worcester, and Commonwealth of Massachusetts, have invented a new and useful Mode of Renewing Files; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a plan or top view of the file-box, with a file placed therein for renewal; and

Figure 2 represents a section on line A B, fig. 1.

To enable those skilled in the art to which my invention belongs, to practise it, I will describe the same more in detail.

The nature of my invention consists in a new and improved mode of renewing old and worn files so that they will be as good, or nearly as good for use as newly-cut files.

In the drawings—

A is a box, which may be made of any convenient size for receiving the files to be renewed.

The files, B, are to be placed upon supporting-blocks, or projections, *a a*, and I prefer to place them on their sides, as shown in the drawings.

The file-box may be made large enough to hold any desired number. Only one layer, or thickness of files should be placed in the file-box at a time.

After the file, or files have been placed in the box as stated, hot water is turned in, until the water slightly covers the files, after which a compound, or mixture composed of, say, equal parts of ground or broken borax and blue vitriol, is sifted over the top of the

file, or files, until the upper side, *c*, is slightly covered; after which oil of vitriol is turned on to the upper side of the file, from end to end, until ebullition takes place, after which the file, or files are allowed to remain from fifteen to thirty minutes, according to the size of the serrations of the file.

After the file has remained in the bath a sufficient length of time, it is removed, and washed in water, a fine wire brush being used to clean the serrations. The file is now covered with some oily substance, such as kerosene-oil, to prevent its rusting.

By the above mode of treating old or much-worn files, the serrations are rendered as good for filing as newly-cut serrations, and old files, so treated, have proved on trial better than recut files.

It will be understood that three-cornered and other shaped files may be treated in the same way.

In conclusion, I would state that I do not, in this patent, claim the process specified in the patent of A. I. Ferguson, dated January 21, 1868; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

The process of renewing, or recutting files, by sifting over the layer of files placed in the bath, as described, a compound of pulverized or crushed blue vitriol and borax, and then running oil of vitriol over the surface of the files thus coated, substantially in the manner set forth.

XISTE ROBERT.

Witnesses:

THOMAS H. DODGE,
GEO. H. MILLER.