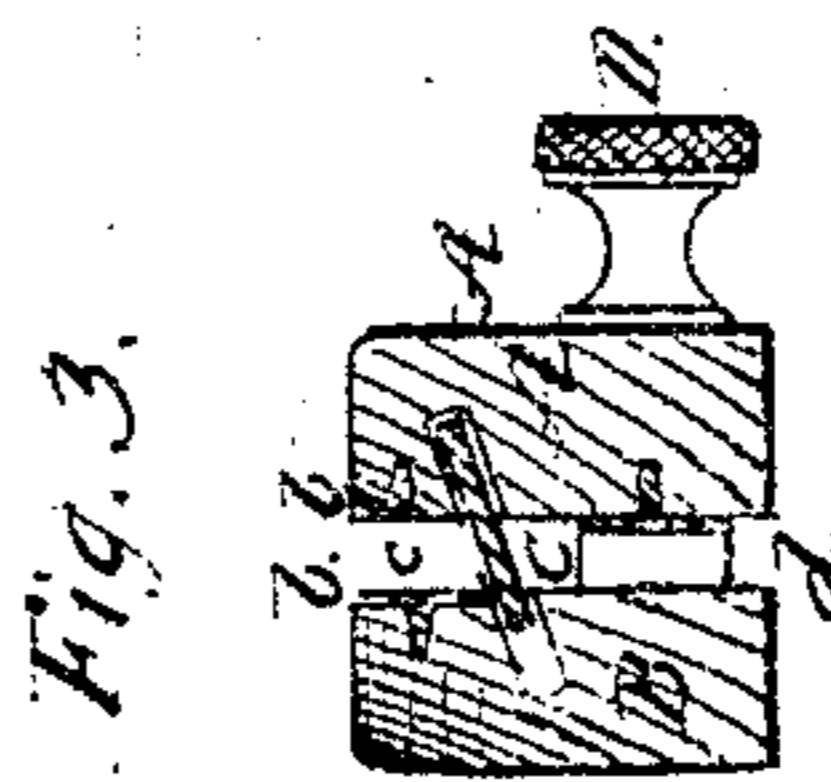
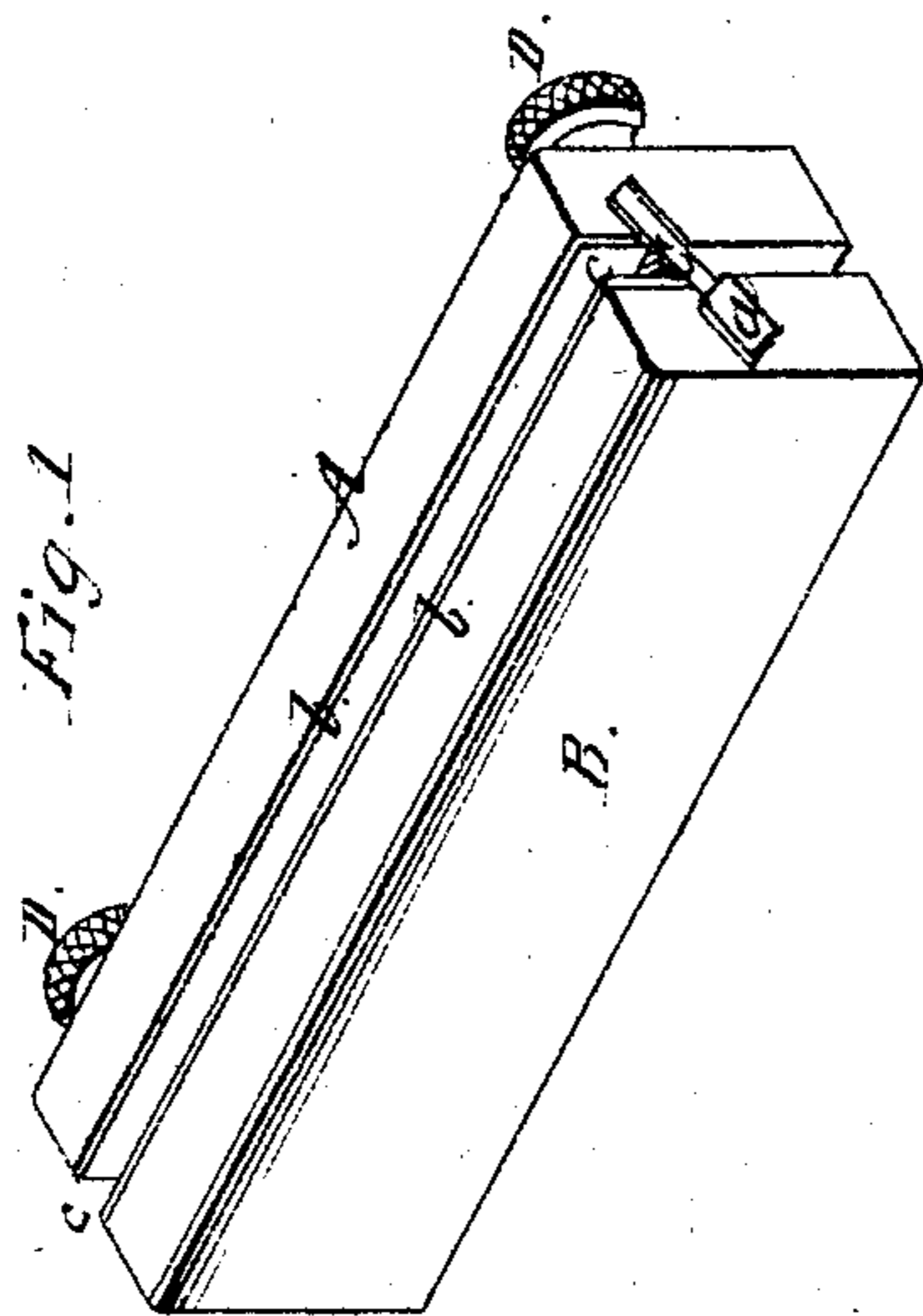
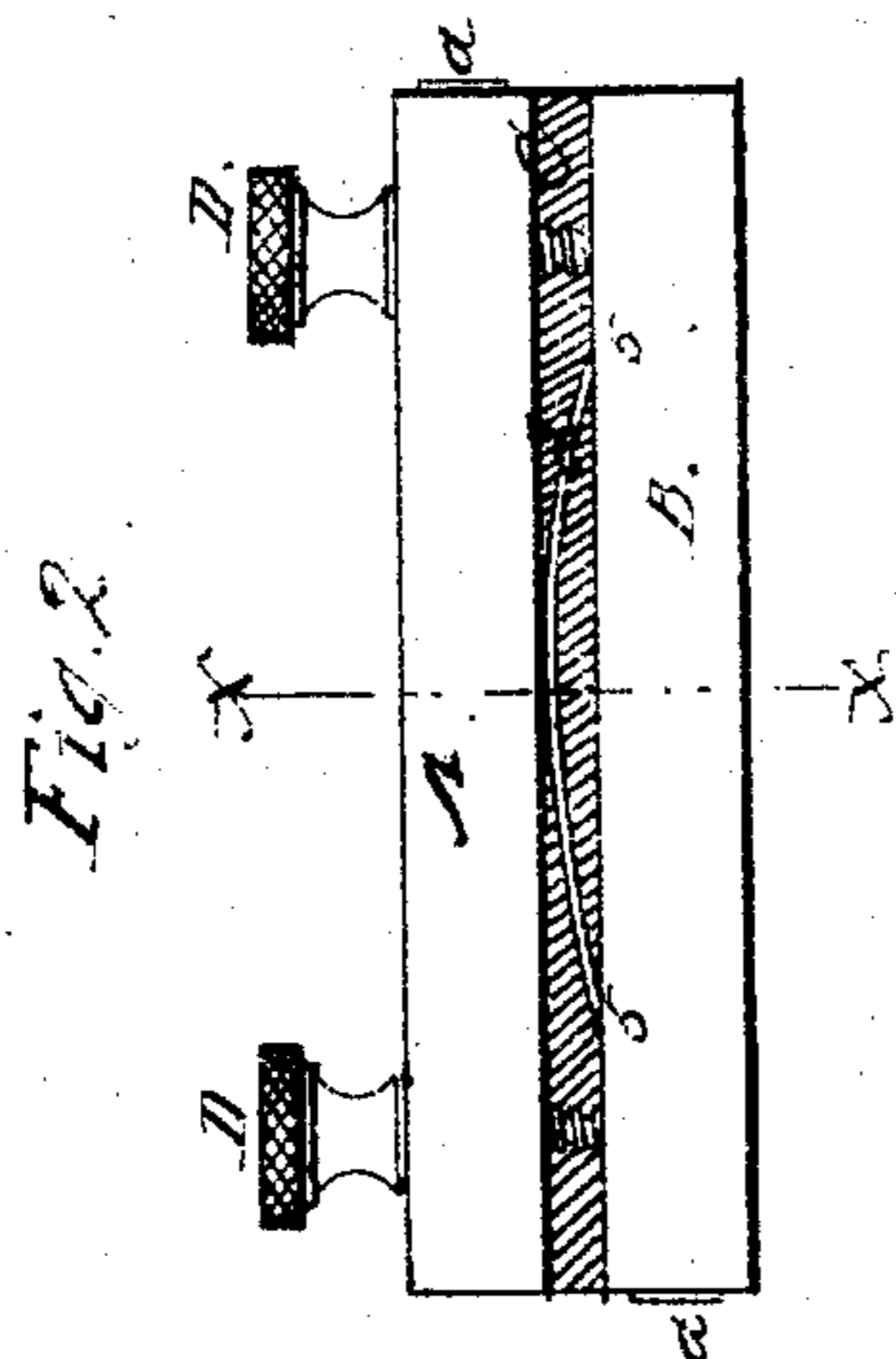


W. H. Leach.

Scissors-Sharpener.

N<sup>o</sup> 76086

Patented Mar. 31, 1868.



Attest;  
L. E. Batcheller  
W. J. Cambridge

Inventor;  
William H. Leach  
By his Attorneys  
Feschenmacher & Stearns.

# United States Patent Office.

WILLIAM H. LEACH, OF DORCHESTER, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND SAMUEL I. PRESSEY, OF SAME PLACE.

*Letters Patent No. 76,086, dated March 31, 1868.*

## IMPROVEMENT IN SCISSORS-SHARPENER.

*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, WILLIAM H. LEACH, of Dorchester, in the county of Norfolk, and State of Massachusetts, have invented certain Improvements in Scissors-Sharpener, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of my improved scissors-sharpener.

Figure 2 is a plan of the under side of the same.

Figure 3 is a transverse section on the line *x x* of fig. 2.

The object of my invention is to provide, at a small cost, an implement of simple construction, by the use of which scissors may be sharpened in a convenient and expeditious manner; and my invention consists in a pair of parallel blocks, provided with an inclined groove for the reception of a file, the inclination of which corresponds to that of the bevelled edge of the blade to be sharpened; one of the parallel blocks being brought up toward the other by a screw or screws for the purpose of making the width of the opening between them to correspond to the thickness of the blade, a spring being also employed to equalize the pressure communicated thereto by the hand of the operator, and to keep the blade properly guided as it is moved over the file.

To enable others skilled in the art to understand and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings, A B are two parallel blocks, each of which is provided with a longitudinal inclined recess, forming a groove for the reception of a file, C, the inclination of which corresponds to that of the bevelled edge of the blade to be sharpened thereon. The file is kept from sliding longitudinally, when the blade is drawn across it, by means of stops *a a*. The inner edge of each block A B above the file is provided with a thin metal strip, *b*, against which the side of the blade is guided, the size of the opening *c* between the blocks being readily adjusted to the thickness of the blade by moving the block A to or from that, B, by operating the screws D D. *d* is a bent spring, of the form seen in fig. 2, the centre of which is secured at 4 to the inner surface of the block A, while its ends 5 5 rest loosely upon the inner surface of the block B, and slide thereon, when the spring yields by pressing the two blocks together between the finger and thumb of the operator. This spring serves to equally distribute the pressure upon the sides of the blade, and to properly control it as it is drawn between the guides *b b*, across the surface of the file. Instead of employing two screws D D for regulating the size of the opening *c*, one only may be used, and pass through the middle of the block A into that, B, without departing from the spirit of my invention.

### Claim.

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

The inclined file C, in combination with the parallel blocks A B, screw or screws D D, and spring *d*, all constructed, arranged, and operating substantially as and for the purpose set forth.

Witnesses:

N. W. STEARNS,  
W. J. CAMBRIDGE.

WM. H. LEACH.