(No Model.)

A. & F. F. KING.

SHEARS AND SCISSORS SHARPENER.

No. 492,810. Patented Mar. 7, 1893.

Fig. 1.

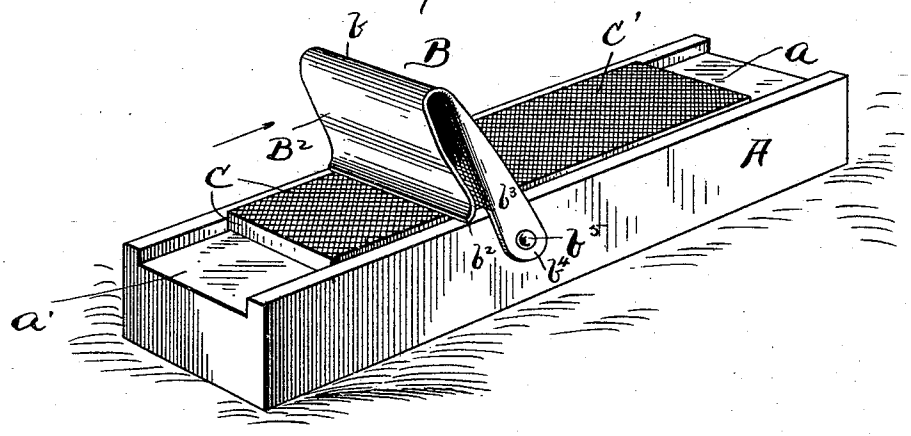


Fig. 2.

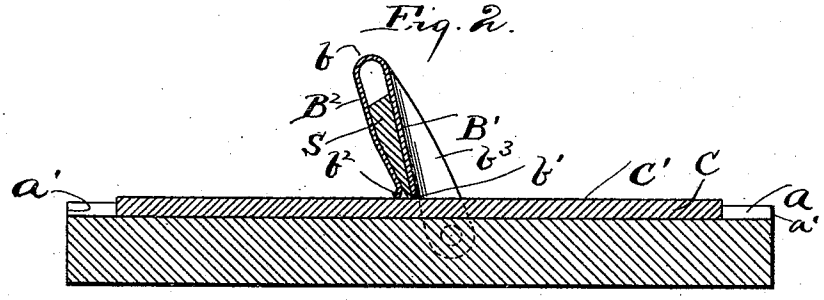
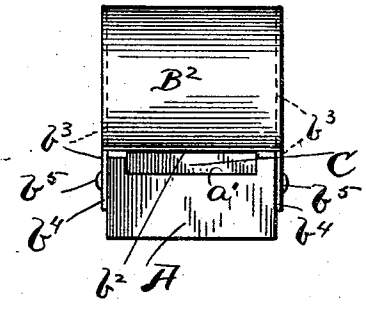


Fig. 3.



Witnesses.
E. B. Gilchrist.
C. Howard

Inventors:
Alexander King
and
Frank F. King
By Leggett & Leggett
their Attorneys.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ALEXANDER KING, OF PAINESVILLE, AND FRANK F. KING, OF CLEVELAND, OHIO.

SHEARS AND SCISSORS SHARPENER.

SPECIFICATION forming part of Letters Patent No. 492,810, dated March 7, 1893.

Application filed June 30, 1892. Serial No. 438,541. (No model.)

To all whom it may concern:

Be it known that we, ALEXANDER KING, residing at Painesville, Lake county, and FRANK F. KING, residing at Cleveland, in the county of Cuyahoga, State of Ohio, have invented certain new and useful Improvements in Shears and Scissors Sharpeners; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

Our invention relates to improvements in shears and scissors-sharpeners, and more especially to the means employed for holding the blades of the shears or scissors against lateral slipping or displacement in sharpening the same, and whereby the edge of the blades to be sharpened may always be ground to the same bevel; and it consists in certain features of construction and in combination of parts hereinafter described and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective of a shears and scissors-sharpener embodying our invention. Fig. 2 is a longitudinal section of the same, showing a blade of a pair of shears in position. Fig. 3 is an end elevation looking in the direction of the arrow, Fig. 1.

Referring to the drawings, A represents a block, preferably of wood. Block A is recessed at the top, as at a, with the recess extending lengthwise from end to end of the block, as shown, and open at the ends, as at a'. The blade-holder is composed of a plate B of spring metal, the plate being bent centrally and transversely, as at b, forming two members, B′ B^2, with the ends, b' b^2 of the plate terminating a trifle above block A so that recess a in the block is adapted to receive a file C of such thickness that the cutting surface C′ of the file will be located in a plane slightly above the top of the side-walls of said recess. Member B′ of the plate, at each side of block A, has lateral members, b^3 extending in a direction away from member B^2 and being enlarged downwardly outside of block A, as at b^4, and rigidly secured to the latter.

In sharpening a blade of a shears or scissors, the same is interposed between members B′ B^2 of the blade-holder, and then drawn back and forth across the cutting surface of the file. Member B^2 of the blade-holder constitutes a spring that is adapted to act in the direction against the adjacent side of the blade to be sharpened and firmly hold the blade against member B′, with the edge to be ground in proper position upon the cutting surface of the file. The blade-holder is set at the desired angle to the supporting-block whereby the blade to be sharpened is held at a corresponding angle to the cutting surface of the file; hence the edge of the blade is ground to the desired bevel and it will be observed that by our improved device the blade is always ground to the same bevel, a feature of no inconsiderable importance.

What we claim is—

1. The combination with a block grooved or recessed on one face to receive a file, of a blade holder spanning the groove or recess, said holder comprising a rigid member and a spring adapted to hold the blade to be sharpened against the rigid member when drawn through it, substantially as set forth.

2. The combination with a block, A, recessed at the top, a, with the recess extending lengthwise of the block and open at the ends, and adapted to receive a file, of a blade-holder secured to the aforesaid block and comprising a rigid member, B′, and a spring, as at B^2, integral with said rigid member and adapted to hold the blade to be sharpened against said rigid member of the blade-holder, substantially as set forth.

In testimony whereof we sign this specification, in the presence of witnesses, this 11th day of June, 1892.

ALEXANDER KING.
FRANK F. KING.

Witnesses to signature of Alexander King:
CORA B. HARPER,
HOMER HARPER.

Witnesses to signature of Frank F. King:
CHAS. H. DORER,
WARD HOOVER.