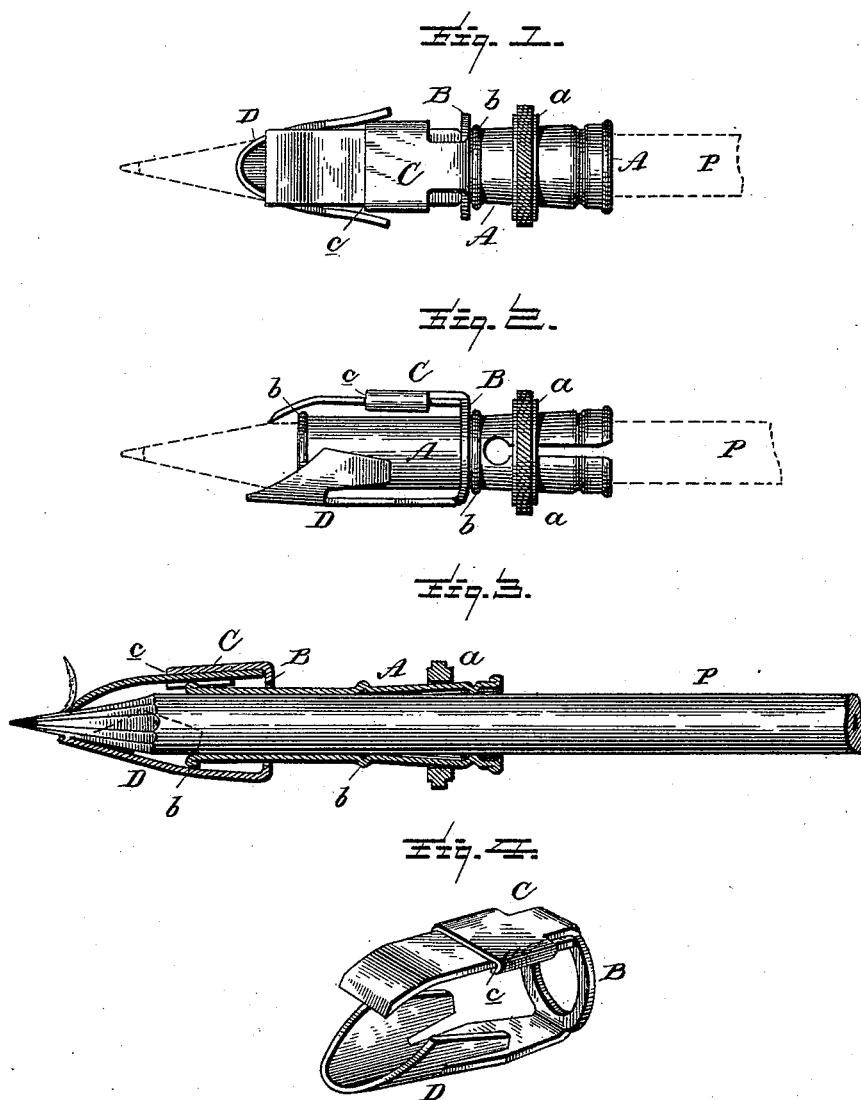


(No Model.)

E. E. BLAKESLEE.
PENCIL SHARPENER.

No. 421,810.

Patented Feb. 18, 1890.



WITNESSES

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UNITED STATES PATENT OFFICE.

EDWARD E. BLAKESLEE, OF BROOKLYN, ASSIGNOR TO THE EAGLE PENCIL COMPANY, OF NEW YORK, N. Y.

PENCIL-SHARPENER.

SPECIFICATION forming part of Letters Patent No. 421,810, dated February 18, 1890.

Application filed November 4, 1889. Serial No. 329,139. (No model.)

To all whom it may concern:

Be it known that I, EDWARD E. BLAKESLEE, of Brooklyn, New York, have invented a new and useful Improvement in Pencil-Shapeners, of which the following is a specification.

The pencil-sharpener in which my invention is embodied comprises, essentially, a pencil-holder in combination with a longitudinally-moving knife-carrier having a knife and a bed or point-support arranged opposite to each other as jaws, so as to be capable of movement toward each other, or toward the end of the pencil, which may project between them.

In the accompanying drawings, Figure 1 is a plan, Fig. 2 is a side elevation, and Fig. 3 is a longitudinal central section, of the sharpener. Fig. 4 is a view of the knife-carrier detached.

A is the pencil-holder, consisting of a tube, (preferably of sheet metal,) split for a portion of its length at the end where the pencil is inserted, and having on this portion a sliding ring *a* for clamping the inserted pencil in place. The knife-carrier is mounted on and can slide lengthwise of the pencil-holder. It consists, in the present instance, of a ring B, (which may, if desired, be a sleeve or tube,) loosely encircling the pencil-holder and having a range of movement determined by the front and rear annular ribs *b* on the holder, and of two longitudinal flexible arms C D, placed opposite each other, the one C forming a holder for the knife E, and the other D fashioned as a concave bed for the support of the point of the pencil against the pressure of the knife. The knife may be secured to its holder in various ways. In the present instance it is removably connected therewith by fitting in side guides *c* in the holder, with its heel or rear end pressed back against the ring B. The carrier, under the arrangement described, is jointed to the pencil-holder so that it may both tilt bodily and rotate and move lengthwise independently of the holder; but this feature in a pencil-sharpener is not of my invention, broadly con-

sidered, and is not claimed by me. The tilting, indeed, is not indispensable to my invention.

The operation of the sharpener will be understood by reference to Fig. 3 of the drawings. When the knife-carrier is in its rear-most position, the edge of the knife will be just a little beyond the front end of the pencil-holder. The pencil P is inserted in the holder far enough to cause its front end to project beyond the front end of the holder a distance which ought not to exceed the range of longitudinal movement of the carrier, and is clamped in that position. When this has been done, then by taking the holder in one hand and the carrier in the other, pressing together the parts C D gently upon the pencil and reciprocating and at the same time turning the carrier, the point of the pencil, by suitable regulation of the pressure upon the knife C and bed D, will be gradually tapered and sharpened until it reaches the condition represented in Fig. 3, in which figure the carrier is represented as advanced and with its knife and bed closed upon the point of the pencil.

Having described my invention and the manner in which the same is or may be carried into effect, what I claim, and desire to secure by Letters Patent, is—

A pencil-sharpener comprising a pencil-holder, together with a knife-carrier, which is mounted to rotate and to slide longitudinally upon said holder, and is provided with arms placed opposite to and movable (as jaws) toward and away from each other, one of said arms constituting a support or bed for the point of the pencil and the other having attached to it the knife, substantially as and for the purposes hereinbefore set forth.

In testimony whereof I have hereunto set my hand this 1st day of November, 1889.

EDWARD E. BLAKESLEE.

Witnesses:

SAMUEL KRAUS,
C. S. BRAISTED.