

(No Model.)

P. PETRY.
PENCIL SHARPENER.

No. 382,437.

Patented May 8, 1888.

Fig. 1.

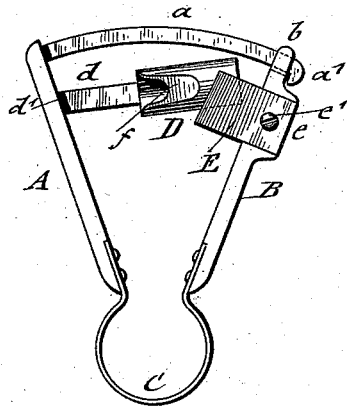


Fig. 2.

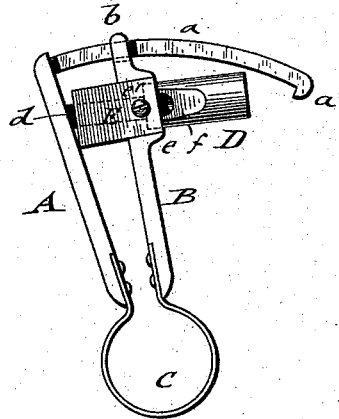
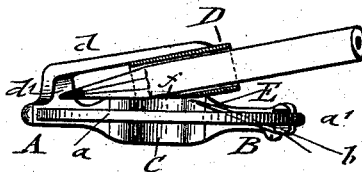


Fig. 3.



WITNESSES:

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PETER PETRY, OF NEWARK, NEW JERSEY.

PENCIL-SHARPENER.

SPECIFICATION forming part of Letters Patent No. 382,437, dated May 8, 1888.

Application filed February 17, 1888. Serial No. 264,385. (No model.)

To all whom it may concern:

Be it known that I, PETER PETRY, of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Pencil-Sharpener, of which the following is a specification.

This invention relates to an improved device for sharpening pencils in a quick and convenient manner, the device being specially adapted for school and office use, as it avoids the soiling of the fingers; and the invention consists of a pencil-sharpener formed of two hinged and spring-actuated lever arms or handles, of which one is provided with a pencil-rest and a fixed pencil-holding tube, while the other is provided with a cutting-knife arranged at a proper angle of inclination to the axis of the pencil and guided by its forked end along a fixed arc-shaped arm of the first handle, said arm being provided with a stop at the outer end.

In the accompanying drawings, Figures 1 and 2 represent side elevations of my improved pencil-sharpener, showing it respectively before and after cutting; and Fig. 3 is an end view of the same, partly in section.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A B represent two lever-arms or handles, which are preferably hinged together at one end by a band-spring, C, and connected at their opposite ends by means of an arc-shaped arm, *a*, attached to the handle A, said arm having a stop or abutment, *a'*, at its outer end. On the arm *a* is guided the forked end *b* of the handle B, which latter is steadily guided by the arm *a* and prevented from getting detached from the same by the stop *a'*. To the handle A is attached, inside of the arc-shaped guide-arm *a*, a second fixed arm, *d*, which supports an inclined guide-tube, D, into which the pencil to be sharpened is inserted, so that the point of the same rests on the arm A next to the tube-supporting arm *d*, as shown in Fig. 3. The guided and swinging handle B is provided with an inclined cheek, *e*, to which is attached the cutting-knife E by a suitable clamp-screw, *e'*, the cutting-knife being arranged at such an inclination to the axis of the guide-tube and pencil that by moving the knife-carrying handle B against the tension of the spring C toward the handle A the

wood of the pencil is first cut away and then the end of the pencil sharpened.

The guide-tube D is provided with an inclined recess or cut-off, *f*, at that side adjoining the cutting-blade, so that the latter can pass close to the guide-tube and produce the cutting away of the wood of the pencil. The side recess, *f*, of the guide-tube forms an essential feature of my sharpener, as without the same the pencil-guiding tube would have to be arranged either at a greater distance from the pencil-rest or the point of the pencil would be short and stumpy.

The edge of the cutting-knife E is preferably slightly inclined to the pencil-rest *d*, as shown in Fig. 2, so that only one end of the cutting-knife abuts against the same in cutting, by which the dulling of the edge is prevented. By alternately turning the pencil on its axis in the guide-tube and moving the knife-carrying handle toward the pencil-supporting handle the wood of the pencil is cut off and the same sharpened in a quick and uniform manner without breaking off the point of the same.

The device forms a convenient implement for school and office use, as it facilitates the sharpening of the pencil without soiling the fingers. While in use the sharpener is taken hold of between the thumb and fingers of one hand, while the pencil is inserted by the other hand into the guide-tube until it abuts on the pencil-rest and then turned on its axis after each oscillating motion of the cutting-knife, which is continued alternately until the pencil is uniformly pointed on its end. As the oscillating handle is steadily guided in its motion, the breaking off of the point of the lead is entirely avoided, as no lateral play of the cutting-knife can take place.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A pencil-sharpener composed of oscillating and spring-actuated handles, an inclined pencil-supporting tube attached to one handle, and an inclined cutting-knife attached to the other handle, substantially as set forth.

2. A pencil-sharpener composed of oscillating and spring-actuated handles, an inclined pencil-supporting tube attached to one handle and provided with an inclined side recess, and an inclined cutting-knife attached to the other handle, substantially as set forth.

3. The combination of two spring-actuated handles hinged at one end, a device for guiding said handles at the opposite end, a pencil-supporting tube attached to one handle, and an inclined knife attached to the other handle, substantially as set forth.

4. The combination of two handles connected by a band-spring at one end, a guide and stop device at the other end of the handles, a pencil-supporting tube attached to one arm and provided with an inclined side recess, and an inclined cutting-knife attached to the other handle, substantially as set forth.

5. The combination of two oscillating and spring-actuated handles, a fixed guide-arm attached to one handle and provided with a stop at the outer end for the forked end of the other handle, a pencil-supporting tube attached by an arm to the first handle, and an inclined cut-

ting-knife attached to the second handle, substantially as set forth. 20

6. The combination of two oscillating handles, one of said handles being forked at the outer end, a band-spring connecting the handles at one end, a fixed arc-shaped guide-arm attached to the opposite end of one handle, a stop at the outer end of said guide arm, a pencil-supporting tube attached to one handle, and an inclined cutting-knife attached to the other handle, substantially as set forth. 25 30

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

PETER PETRY.

Witnesses:

MARTIN PETRY,
JOHN A. STRALEY.