

(No Model.)

G. DIEZ.
PENCIL SHARPENER.

No. 491,536.

Patented Feb. 14, 1893.

Fig. 1.

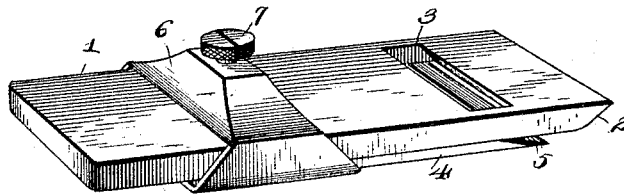


Fig. 2.

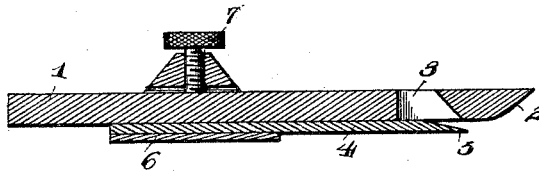


Fig. 4.

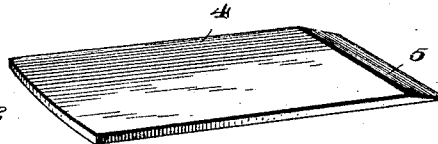


Fig. 3.

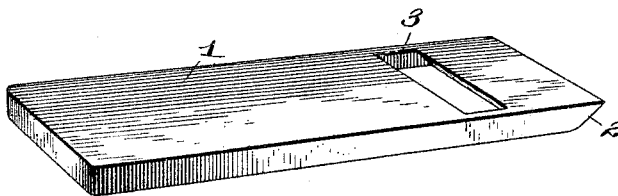
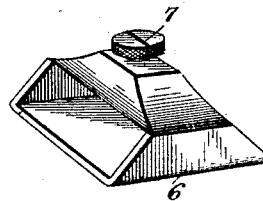


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE DIEZ, OF SANTA CLARA, CALIFORNIA.

PENCIL-SHARPENER.

SPECIFICATION forming part of Letters Patent No. 491,536, dated February 14, 1893.

Application filed November 5, 1892. Serial No. 451,076. (No model.)

To all whom it may concern:

Be it known that I, GEORGE DIEZ, a citizen of the United States, residing at Santa Clara, in the county of Santa Clara and State of California, have invented a new and useful Pencil-Sharpener, of which the following is a specification.

My invention relates to improvements in pencil-sharpeners; the objects in view being to provide a cheap, simple, and convenient hand-device for rapidly sharpening pencils and reducing them to a uniform point or bevel.

With these general objects in view, the invention consists in certain features of construction hereinafter specified and particularly pointed out in the claims.

Referring to the drawings:—Figure 1 is a perspective view of a pencil sharpener constructed in accordance with my invention. Fig. 2 is a vertical longitudinal sectional-view. Fig. 3 is a detail in perspective of the body of the sharpener. Fig. 4 is a similar view of the blade. Fig. 5 is a similar view of the tip for binding the blade to the body.

Like numerals of reference indicate like parts in all the figures of the drawings.

The body of the sharpener is preferably formed of hard wood, but if desired, the same may be formed of metal; and it consists of the oblong piece 1, which at one end is undercut or beveled, as indicated at 2, and immediately in rear of the same and adjacent thereto, the body is provided with a transverse slot 3, whose front edge is undercut in contradistinction to that of the end of the body.

4 designates a steel blade; and the same has its upper front edge beveled to form a cutting edge 5. The blade is applied to the under side of the body-portion, and by means of a rectangular clip 6, that embraces the blade and the body-portion, and which is secured in position by a thumb-screw 7, which is passed through a threaded perforation in the upper side of the clip, said blade is secured at any desired point upon the body-portion, and when in proper position the front or cutting edge of the blade is directly over the openings or transverse slot in said body-portion.

This completes the construction of the device, and the operation thereof is as follows:—The pencil is taken in one hand of the operator, the forefinger being placed under and

designed to support the point as the same is formed, while the device is grasped by the remaining hand of the operator, and is used much after the fashion of a plane, with the exception that it is tilted so that its front end performs a cutting operation. By the inclination of the device with relation to the pencil the length or bevel of point may be readily determined, as will be obvious, that is to say, by holding the device nearly flat, the bevel given the pencil will be much greater than if the device is held more at an angle to the pencil. As the wood and lead are reduced the pencil is slowly turned by the operator so that all points of its circumference are brought under the action of the cutter, and the result is that in an exceedingly short time a uniform and desired bevel is produced upon the end of the pencil. The wood shaved from the pencil passes out through the slot in the body-portion, much after the fashion of the shavings of an ordinary plane.

It will be seen that the blade may be readily taken from the body-portion and sharpened after the manner of a chisel, and as the same is worn away by sharpening may be readily adjusted through the medium of the binding clip and its screw.

Having described my invention, what I claim is:—

1. The herein described pencil-sharpener, consisting of the oblong body-portion, having its front end undercut or beveled and immediately in rear of the same provided with a transverse slot, the blade located upon the under side of and lying flat against said body-portion and having its front end beveled in a direction opposite to that of the body-portion and terminating opposite the slot therein, and devices for securing the blade upon the body-portion, substantially as specified.

2. The herein described pencil-sharpener, consisting of the oblong body-portion having its front end undercut or beveled and immediately in rear of the same provided with a transverse slot, the blade located upon the under side of and lying flat against said body-portion and having its front end beveled in a direction opposite to that of the body-portion and terminating opposite the slot therein, and means for adjustably securing said blade upon the body-portion, substantially as specified.

3. The herein described pencil-sharpener, the same consisting of the oblong body-portion formed of hard-wood having its front end undercut, and in rear of the same and contiguous thereto provided with a transverse slot whose front edge is undercut in a direction opposite to that of the front end of the body-portion, the blade located upon the under side of the body-portion and having its front end terminating under the slot therein and beveled in a direction opposite to that of the front end of the body-portion, the rectan-

gular clip embracing the blade and body-portion and having its upper side provided with a threaded perforation, and the thumb-screw 15 passed through the clip and bearing on the body-portion, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

GEORGE DIEZ.

Witnesses:

C. W. WERNER,
J. A. LOVELL.