No. 824,987. PATENTED JULY 3, 1906.

R. M. KANTOOS.

PENCIL SHARPENER.

APPLICATION FILED APR. 11, 1906.

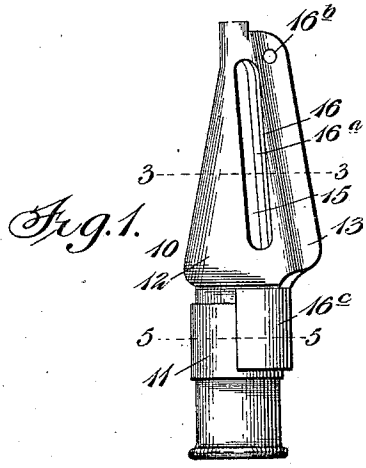


Fig. 1.

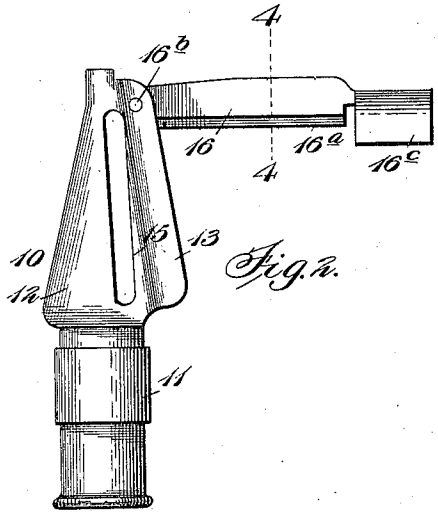


Fig. 2.

Fig. 3.

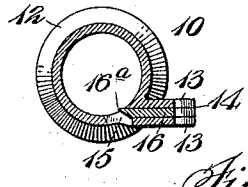
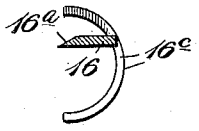


Fig. 4.



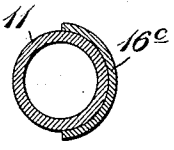


Fig. 5.

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RICHARD M. KANTOOS, OF CHICAGO, ILLINOIS.

PENCIL-SHARPENER.

No. 824,987. Specification of Letters Patent. Patented July 3, 1906.

Application filed April 11, 1906. Serial No. 311,083.

To all whom it may concern:

Be it known that I, RICHARD M. KANTOOS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Pencil-Sharpeners, of which the following is a specification.

This invention is a pencil-sharpener operated to shave a pencil by rotary movement. A particular feature is a hinged blade which can be turned out of the casing for the purpose of being sharpened. A common defect of similar pencil-sharpeners, especially low-priced ones, is that the blade is fixed, and thus when it becomes dull it is necessary to obtain a new pencil-sharpener. By my invention this is obviated, as the blade may be sharpened when needed, and thus the sharpener will last several times as long as the ordinary kind.

In the accompanying drawings, Figure 1 is a side elevation of a pencil-sharpener embodying my improvements. Fig. 2 is a similar view showing the blade turned outward. Fig. 3 is a section on the line 3 3 of Fig. 1. Fig. 4 is a section of the blade on the line 4 4 of Fig. 2. Fig. 5 is a section on the line 5 5 of Fig. 1.

Referring to the drawings, 10 is a casing which consists of a cylindrical or tubular shank 11 and a cone or conical portion 12. The latter is slotted and has two side wings 13, with the slot 14 therebetween opening into the cone.

15 is an aperture or slot opposite the edge of the blade to permit the shavings to escape.

16 is the cutter provided with a cutting edge or blade 16^a. This blade is pivoted at 16^b to one of the wings 13 at the top or apex of the cone 12. It is provided at its lower or opposite end with a semicircular or curved clip or finger-piece 16^c, which when the cutter is in a closed position grasps the shank 11 and retains the blade in position for cutting. It may also be held by the finger to press the blade into the pencil and prevent it from slipping out of position when in use.

When it is necessary to sharpen the blade, the cutter is turned outward, as shown in Fig. 2, and the blade may then be sharpened. An especial advantage of this device is that if the shavings become caught or choked between the blade and the shield they may be easily removed by turning the blade into its outward position.

In the operation of the implement the pencil-point is inserted through the tube 11 into the cone 12, and the pencil and the implement are then turned with respect to each other, the blade being held in cutting-contact with the pencil by pressure on the clip or piece 16^c.

I claim—

In a pencil-sharpener, the combination with a casing comprising a tubular shank terminating in a conical head having a slot in the side and wings along the edges of the slot, of a blade pivoted between the wings at one end and arranged to swing in and out of the slot and having at its other end a finger-piece fitting against the shank when the blade is swung in.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

RICHARD M. KANTOOS.

Witnesses:
WM. J. ROBINSON,
H. G. BATCHELOR.