

No. 710,822.

Patented Oct. 7, 1902.

R. C. UECKE.
PENCIL SHARPENER.

(Application filed Mar. 1, 1902.)

(No Model.)

Fig. 1.

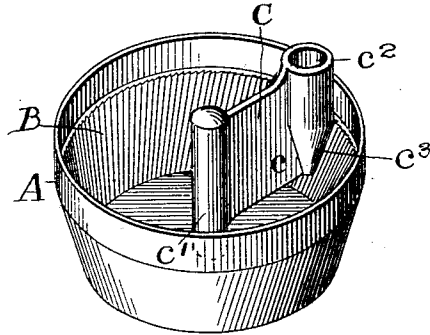


Fig. 2.

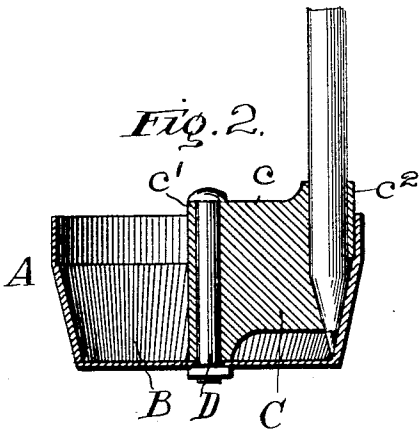
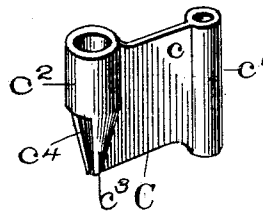


Fig. 3.



Witnesses:
Chas. O. Sherway
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UNITED STATES PATENT OFFICE.

ROBERT C. UECKE, OF HARVARD, ILLINOIS.

PENCIL-SHARPENER.

SPECIFICATION forming part of Letters Patent No. 710,822, dated October 7, 1902.

Application filed March 1, 1902. Serial No. 96,233. (No model.)

To all whom it may concern:

Be it known that I, ROBERT C. UECKE, a citizen of the United States of America, residing at Harvard, in the county of McHenry and State of Illinois, have invented certain new and useful Improvements in Pencil-Sharpener, of which the following is a specification.

My invention relates to improvements in pencil-sharpener; and its object is to produce a device of this class which shall be cheap and easy to construct, simple and easy to operate, and at the same time effective.

To these ends my invention consists in certain novel features of construction, which are shown in the accompanying drawings and fully described in this specification.

In the drawings, Figure 1 is a perspective of my improved pencil-sharpener. Fig. 2 is a transverse section through the same, showing a pencil in place in the sharpener; and Fig. 3 is a perspective of the rotating pencil-holding crank.

Referring to the drawings, A is the body of the pencil-sharpener. It is cup-shaped, as shown in Fig. 2, its configuration being substantially that of an inverted truncated cone. The conical portion preferably terminates in a cylindrical portion at its upper edge, as shown.

Within the cup-shaped body A of the sharpener is an abrasive surface B, either formed on the cup or composed of a lining of sand-paper or other abrasive material rigidly held in place with reference to the body A, but which can be readily removed therefrom, as desired.

Centrally pivoted within the cup-shaped body A is a rotatable pencil-guiding crank C, which consists of a flat web c , a tubular portion c' at one end of the same, and a larger tubular portion c^2 at the other end of the same. The tubular portion c^2 terminates at its lower end in the conical part c^3 , adapted to receive within it the end of a pencil, and it is cut away at c^4 in order to permit a portion of the end of the pencil placed within it to project slightly from it. The rotating crank C is pivoted upon a pin D, passing through the tube c' and secured in the bottom of the cup-

shaped body A. The length of the crank is such that the outer of the tubular portions c^2 c^3 can be revolved within the cup-shaped body A almost in contact with the abrasive surface. The tubular portion c^2 is of such diameter that a pencil of ordinary size while being held comparatively firmly in place within it still may freely rotate within it.

The operation of this device will be perfectly obvious from an examination of the drawings. The pencil is placed within the tubular portion c^2 , and a portion of its lower end projects through the slot c^4 in the conical portion c^3 . The pencil is held firmly in the hand, and the supporting-crank is then rapidly rotated with respect to the cup-shaped body A and the abrasive surface B, the pencil thus serving as a handle to the crank. The pencil of course rotates with respect to the tubular portion c^2 , but does not rotate with respect to the body A, except in that it revolves bodily about the axis of the crank. The result of this is, of course, that every portion of the surface of the pencil comes in contact with the abrasive surface B during each revolution of the crank. A few such revolutions only are necessary to sharpen a pencil with my device. There is no muss or dirt, owing to the fact that all the shavings both from the wood and the graphite of the pencil fall into the bottom of the cup-shaped portion A. The lower part of the web of the crank is cut away in order that the rotation of the crank shall not be hindered by the accumulation of this material in the bottom of the cup-shaped body.

I realize that considerable changes can be made in the details of construction in this device, and I do not, therefore, desire to limit myself to the specific form herein set forth.

I claim as new and desire to secure by Letters Patent—

In a device of the class described, the combination with a truncately-conical vessel, A, having an abrasive inner surface, of a crank, C, centrally pivoted within said vessel, said crank having upon its extremity, a tubular portion, c^2 , terminating in a conical portion,

c^3 , which is cut away to form a slot, c^4 , where-
by said crank is adapted to receive at its end
a pencil and to guide the motion of the same
within said abrasive surface and to hold it
5 firmly in contact therewith, substantially as
described.

In witness whereof I have hereunto set my

hand, at Harvard, in the county of McHenry
and State of Illinois, this 24th day of Febru-
ary, A. D. 1902.

ROBERT C. UECKE.

Witnesses:

J. C. BLAKE,
I. CHILSON.