

(No Model.)

A. J. HOOD.
PENCIL SHARPENER.

No. 452,270.

Patented May 12, 1891.

Fig. 1.

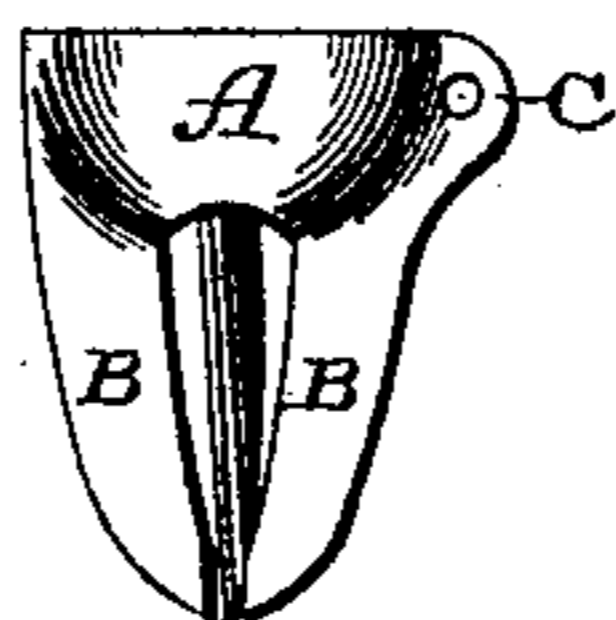
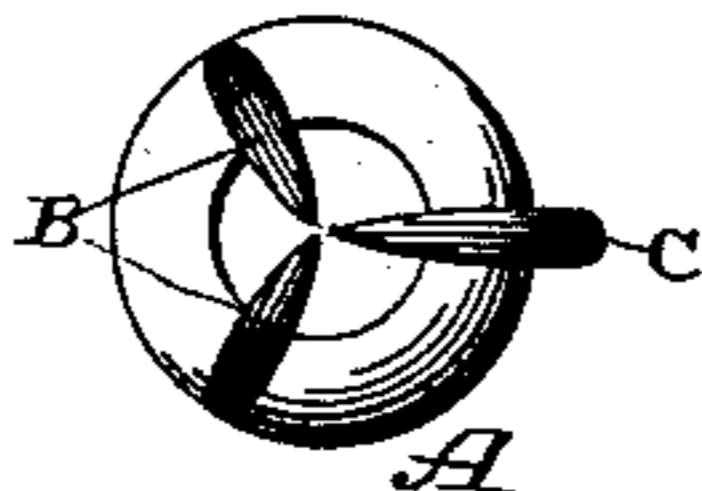


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

ALEXANDER J. HOOD, OF MUSCODA, WISCONSIN.

PENCIL-SHARPENER.

SPECIFICATION forming part of Letters Patent No. 452,270, dated May 12, 1891.

Application filed November 15, 1890. Serial No. 371,531. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER J. HOOD, of Muscoda, in the county of Grant and State of Wisconsin, have invented certain new and
5 useful Improvements in Pencil-Sharpeners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying draw-
10 ings, which form part of this specification.

My invention relates to an improvement in pencil-sharpeners of the construction herein-
after shown and described.

15 The object of my invention is to provide a cheap and simple pencil-sharpener which is composed of a number of blades which are adapted to be sharpened whenever they become dulled.

20 Figure 1 is a side elevation of a pencil-sharpener which embodies my invention. Fig. 2 is an end view of the same.

A represents a ring of any desired thickness, and from one edge of which extends a
25 number of blades B, which are inclined inward toward each other at their outer ends, so as to cut away the end of the pencil in the usual manner. These blades are sharpened upon
30 their inner edges, so as to cut their full length, and have sufficient space between their edges to allow a sharpening device to be applied to

both sides of the edge of each blade, and thus adapt the blades to be sharpened from time to time and keep them in a perfect cutting condition. The blades and the rings will be
35 preferably cast in a single piece; but, should it be so desired, the ring may be formed of one kind of metal and the blades formed of steel and then have their inner ends inserted in suitable sockets prepared to receive them in
40 the ring.

Formed upon one side of the ring is a perforated flange C, by means of which the sharpener may be attached to the watch-chain and
45 thus always be in position ready for use.

Having thus described my invention, I claim—

A pencil-sharpener consisting of a ring and a series of blades which extend substantially
50 radially therefrom and downward, whereby a sharpening-tool can be applied to their inner edges, the said blades having their inner edges inclined toward each other from the upper to their lower edges, substantially as shown and
described.

55 In testimony whereof I affix my signature in presence of two witnesses.

ALEXANDER J. HOOD.

Witnesses:

A. C. V. ELSTON,
R. B. MCINTYRE.