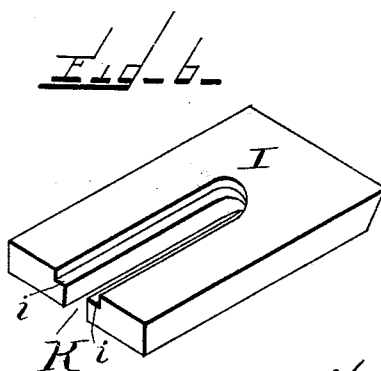
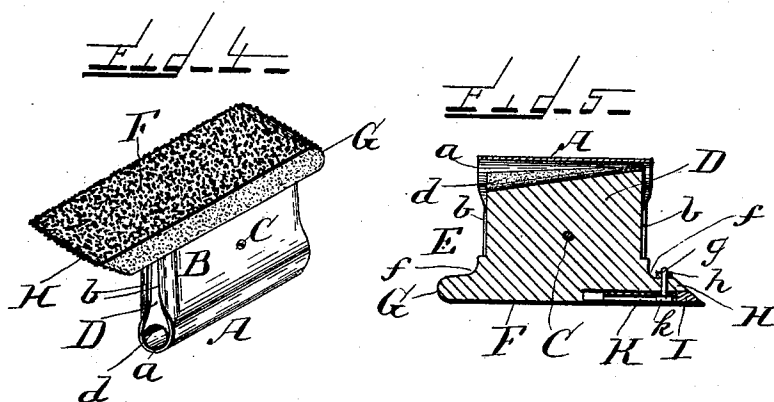
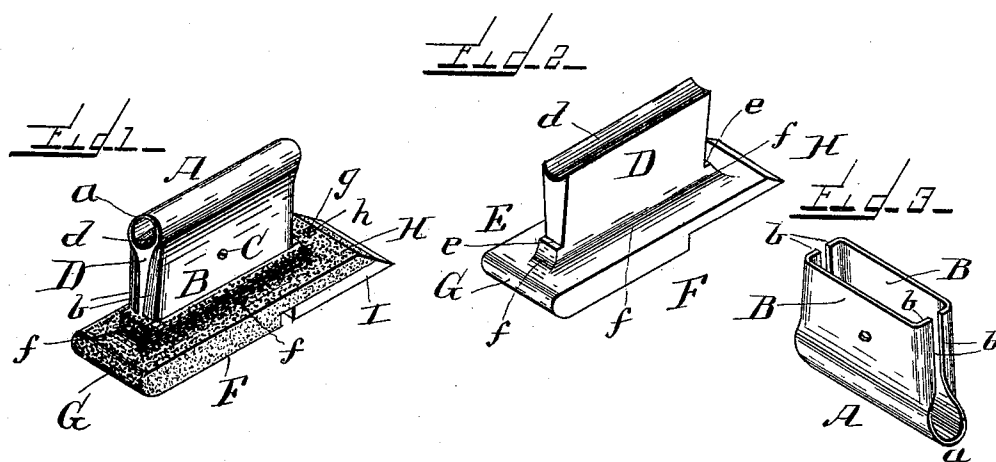


(No Model.)

H. FISHER.
COMBINED PENCIL SHARPENER AND ERASER.

No. 520,732.

Patented May 29, 1894.



Witnesses
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UNITED STATES PATENT OFFICE.

HENRY FISHER, OF SACRAMENTO, CALIFORNIA.

COMBINED PENCIL-SHARPENER AND ERASER.

SPECIFICATION forming part of Letters Patent No. 520,732, dated May 29, 1894.

Application filed January 24, 1894. Serial No. 497,883. (No model.)

To all whom it may concern:

Be it known that I, HENRY FISHER, a citizen of the United States, residing at Sacramento, in the county of Sacramento and State of California, have invented certain new and useful Improvements in a Combined Pencil-Sharpener and Eraser, of which the following is a specification.

This invention relates to the class of stationery, and particularly to a pencil sharpener and eraser.

The object of the invention is to provide a pencil sharpener and eraser combined in one implement, of peculiar and advantageous construction.

A further object of the invention is to provide a pencil sharpener and eraser with one or more pencil sharpening portions of different character, and two or more erasing portions covered with emery of different degrees all combined in one implement.

The invention consists in the novel construction and arrangement of parts, as will be hereinafter fully described and set up in the claims.

In the accompanying drawings forming part of this application:—Figure 1 is a perspective view of my improved pencil sharpener and eraser. Fig. 2 is a perspective view of the body of the device without the pencil guide or holder. Fig. 3 is a perspective view of the pencil guide or holder, bent into condition for attachment. Fig. 4 is an inverted perspective view of a sharpener and eraser without the cutting blade. Fig. 5 is a longitudinal sectional view thereof. Fig. 6 is an enlarged perspective view of the blade.

The same letters of reference denote the same parts throughout the several figures of the drawings.

The pencil guide or holder A, may be cast or made of other metal, but I prefer to use ordinary tin, making a central bend *a*, to form almost a complete circle, with the side edges *b*, of the ends B, turned at right angles toward each other. Between the ends B, is secured, by suitable means, but preferably by a small screw C, the dove tail shank D, of the inverted T shaped body E. The top of the shank D, has an inclined groove *d*, forming

an arc of, and completing the circular bend *a*. This groove is coated with a fine emery or similar material, for the purpose of bringing a fine smooth point to a lead or other pencil when inserted in the said circular bend and turned back and forth. Opposite the opening where the pencil is inserted is left a smaller opening so that the pencil point may be made at any desired angle, by simply pushing the pencil inward. At the lower end of the said shank D, is formed, upon its edges a shoulder *e*, upon which rests the said turned or bent edges *b*, of the ends B.

At the juncture of the shank D, and the base F, is formed a groove *f*, which extends entirely around the top of the said base leaving square side flanges, a round end flange G, and a beveled end flange H, while the bottom of the base F, is flat. These sides and ends, as well as the groove *f*, are covered with emery or other suitable erasing material of varying quality.

In a portion of the bottom of the base F, is formed a cavity, in which is adjustably secured, by means of the bolt *g*, and nut *h*, a cutting blade I, having a slot K, provided with a shoulder *i*, against which the head *k*, of the bolt *g*, is held, leaving the bolt head face flush with the outside of the said blade, and the latter flush with the bottom surface of the base F. By this arrangement the blade may be adjusted back and forth in the cavity, by simply loosening the said bolts, and when not in use, is turned end for end with the cutting edge in, for protection.

The surrounding emery coated groove *f*, is found very convenient in taking off the rough pencil point after it has been shaved down by the cutting blade and before it is inserted in the holder or guide. The peculiar shape of the flanges enables the device to be used not only for erasing purposes, but for polishing and burnishing articles of almost any shape or configuration.

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

1. In a pencil-sharpener, the shank having at its top an inclined groove lined with abrasive material, combined with the holder or

guide having a central circular bend covering the top of the shank, and edges turned at right angles toward each other to engage the corners of the said shank, substantially as set forth.

5 2. In a pencil sharpener, the shank having at its top an inclined groove lined with abrasive material, its base being coated with similar material, combined with the holder or
10 guide having a circular bend covering the top of the shank, its sides and bent edges enveloping the said shank, substantially as set forth.

15 3. In an article of the character described, the holder or guide having a central circular bend and ends, the side edges of which are bent toward each other, combined with the shank and base formed in one piece the former having a roughened upper surface, the
20 latter having a rounding flange and a beveled

flange, substantially as and for the purpose set forth.

4. In an implement or article of the character described, the guide or holder, the shank to which the guide or holder is secured, said
25 shank having a roughened upper surface, the base provided with a cavity and having square sides, a rounding and a beveled flange combined with the cutting blade having a shouldered slot, the bolt passing through the said
30 blade and the said beveled flange, and the nut for securing the bolt in place, substantially as shown and described.

In witness whereof I hereunto set my hand in the presence of two witnesses.

HENRY FISHER.

Witnesses:

JAMES O'BRIEN,
JAMES DUNPHY.