

No. 672,441.

Patented Apr. 23, 1901.

A. G. DE WALDO.
COMBINED PENCIL SHARPENER AND ERASER.

(Application filed May 4, 1900.)

(No Model.)

Fig. 1.

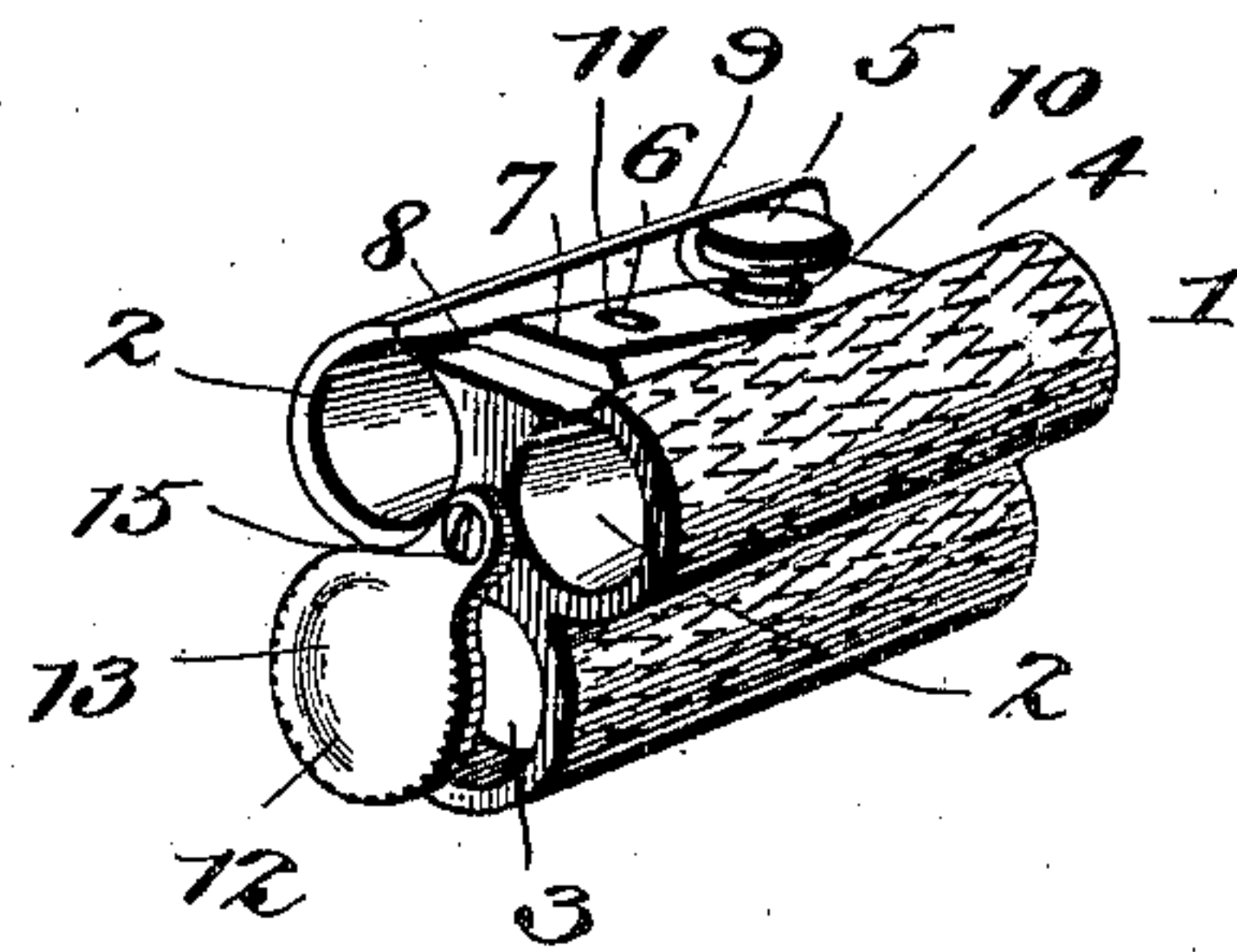


Fig. 2.

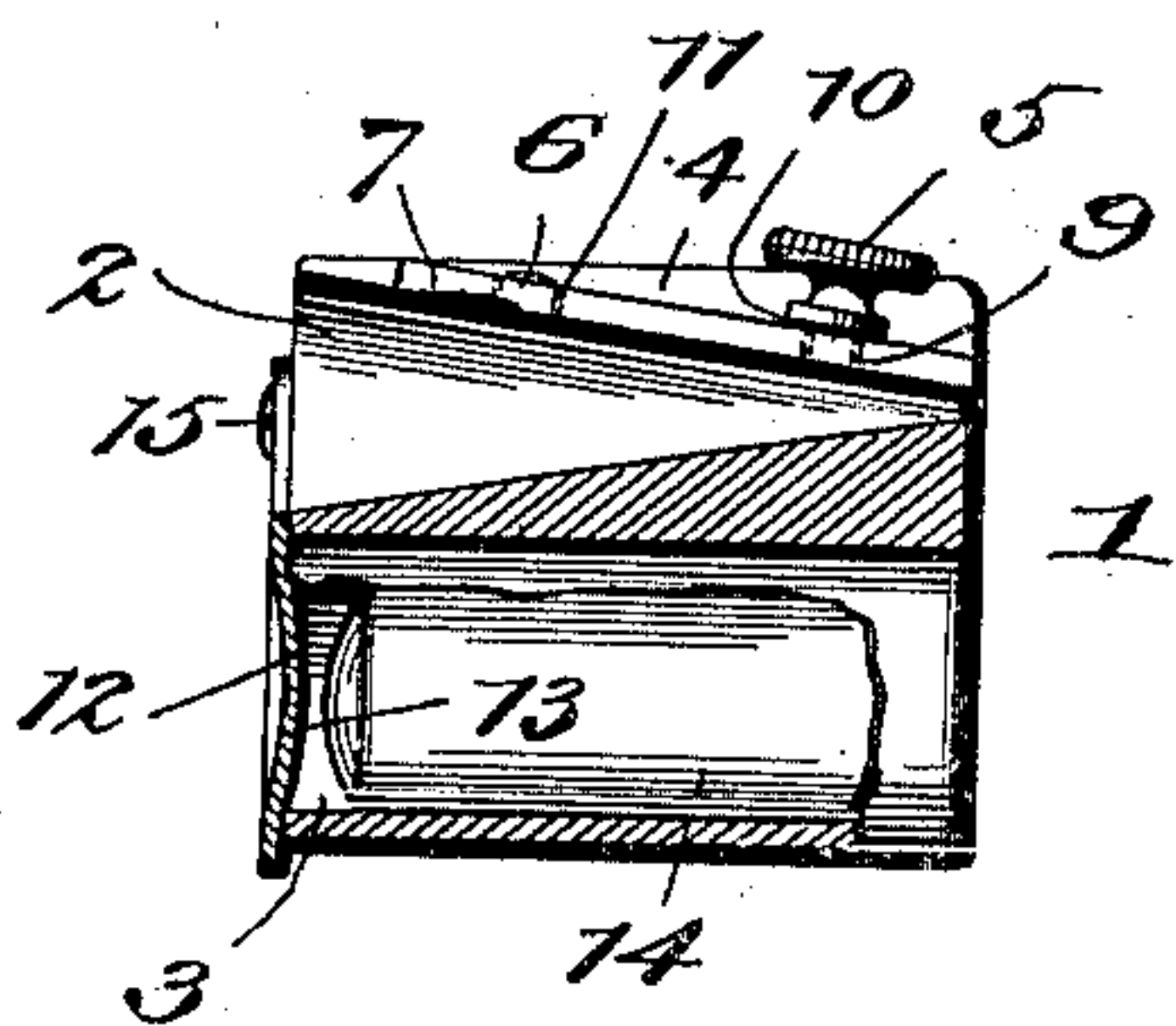


Fig. 3.

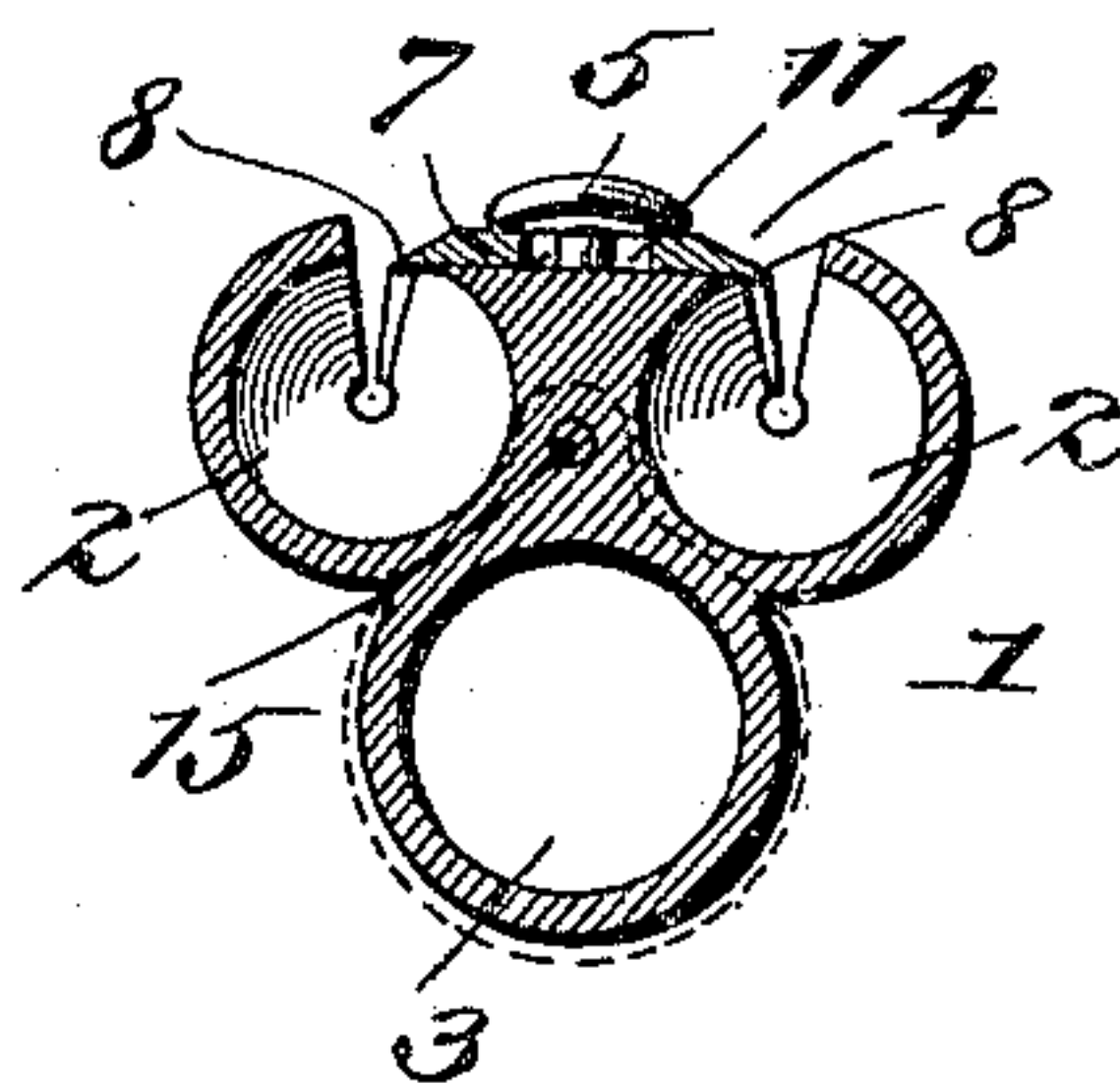
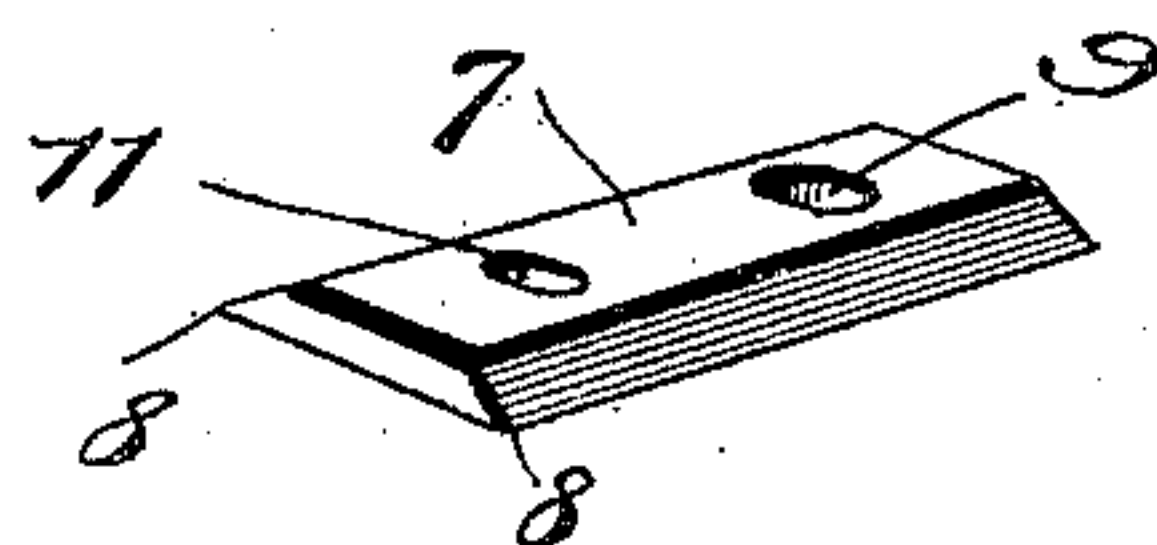


Fig. 4.



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UNITED STATES PATENT OFFICE.

ALFONSO GUIADO DE WALDO, OF WARREN, OHIO.

COMBINED PENCIL-SHARPENER AND ERASER.

SPECIFICATION forming part of Letters Patent No. 672,441, dated April 23, 1901.

Application filed May 4, 1900. Serial No. 15,482. (No model.)

To all whom it may concern:

Be it known that I, ALFONSO GUIADO DE WALDO, a citizen of the United States, residing at Warren, in the county of Trumbull and State of Ohio, have invented a new and useful Combined Pencil-Sharpener and Eraser, of which the following is a specification.

My invention relates to pencil-sharpeners; and it has for one object to produce a device of this kind in which the opposite edges of the blade may be utilized by providing a double-barreled casing or holder.

Another object is to provide a third barrel, within which an eraser may be conveniently carried and retained therein by means of a movable cap at one end.

With these objects in view my invention consists in the improved construction and novel arrangement of parts of a combined pencil-sharpener and eraser-holder, as will be hereinafter more fully set forth.

In the accompanying drawings, in which the same reference-numerals indicate corresponding parts in each of the views in which they occur, Figure 1 is a perspective view of my combined pencil-sharpener and eraser-holder. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a transverse sectional view, and Fig. 4 is a detail view.

Referring more particularly to the drawings, 1 indicates the body or barrel portion, which may be formed from any suitable material, preferably from a light material like aluminium, &c., within which are formed three longitudinal openings 2 2 and 3, two of which taper from end to end for the reception of the end of the pencil to be sharpened, and the other one, 3, is of the same diameter throughout and is preferably closed at its rear end. The upper surface of the body is cut away, as shown at 4, the walls of the cut or recess being substantially vertical or parallel with each other and the bottom of the recess being inclined and intersecting or extending into the openings 2 2. Secured upon the bottom of the recess by means of screw 5 and a pin 6 is a blade 7, each of the side edges of which is cut away upon an incline or bevel to form cutting edges 8, which extend into the openings 2 2 a sufficient distance to engage with the end of the pencil and cut the same as the pencil is rotated. If desired, the

opening 9 through the blade 7 can be formed into a transverse slot to permit of a slight adjustment of the blade laterally relatively to the openings 2 2. The upper end of the screw is provided with a shoulder 10 for engaging with the top of the blade and holding it in any position, while the pin only projects to the top of the blade through its opening 11. The screw is preferably located between the smaller ends of the openings, as there is more metal at that point, which makes a stronger attachment, while the pin can be located in the thinner walls between the larger ends of the openings.

Pivotaly secured substantially midway between the openings 2 2 is a disk or cover 12, the free and larger end of which is slightly concaved, as shown at 13, and has its edge milled or roughened and is of such a size as to fit over the end of the opening 3 in the lower portion of the barrel 1. Fitting snugly within the opening 3 and prevented from escaping therefrom by means of the disk 12 is an eraser 14. By arranging the cover 12 with its convex side inward or toward the body 1 it will fit within the opening 3 and prevent its accidental displacement while being carried in the pocket; but when it is desired to remove the cover it can be readily pushed to either side by means of its milled edge, which projects beyond the edge of the body, as shown in the drawings.

As above described, it will be seen that my combined pencil-sharpener and eraser-holder can be made of such a size as to be conveniently carried in the pocket, and its exterior can be ornamented or finished in any desired manner, preferably by roughening it with transversely-arranged intersecting grooves, as shown in the drawings. The body portion can be formed from a single piece of material, or the different barrels can be formed separately and secured together in any desired manner, the lower barrel being secured between the lower portions of the two upper barrels. The cap or disk 12 can be readily stamped from any suitable material—as, for instance, from sheet-steel—and can be so arranged as to normally close the opening into the eraser-barrel, with its edge projecting a slight distance beyond the wall of the lower barrel. It can be easily secured in position

by means of the screw 15, which will enter a suitable perforation in the end of the body between the two barrels 2 2.

When it is desired to use the cutting portion of my improved sharpener, the pencil is inserted into one or the other of the openings 2 2 and rotated, so as to cause it to engage with the cutting edge of the blade. By providing the blade with the two edges and the body with two barrels it is evident that the sharpener can be used as long again without sharpening as it could with the single cutting edge, as all that is necessary to utilize either edge is to rotate the pencil in the proper direction. By loosening or removing the screw 5 the blade can be adjusted or removed entirely, as the case may be.

Whenever it is desired to use the eraser 14, the cap or cover 12 is pushed around upon its pivotal point, so as to uncover the opening 3 and permit the removal of the eraser 14. After the eraser has been used it is reinserted in its barrel and the cap or cover 12 is swung back over the mouth of the opening, which will prevent the eraser from falling out of its barrel. When the cap is moved away from over the eraser-barrel, it will occupy a position in front of one or the other of the sharpening-barrels, thereby being entirely out of the way and not interfering with the convenience of operation of the device.

Although I have shown what I consider to be the most desirable form of constructing my improved pencil-sharpener and eraser-holder, yet I reserve to myself the right to make such changes and alterations therein as will come within the scope of my invention.

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

1. In a combined pencil-sharpener and eraser-holder, the combination, with an elongated body provided with two tapering openings arranged longitudinally side by side therein, the upper surface of the body being provided with an inclined bottomed recess intersecting both of said openings, the bottom of the recess being provided with a screw-threaded perforation between the smaller ends of the openings, of a pin projecting from the bottom near the other end, a double-edged blade within the recess, the edges of which project into the openings, one end of the blade being perforated to fit over the pin and the other end slotted transversely to register with the perforation, and a shouldered screw through the slot and into said perforation, substantially as described.

2. In a combined pencil-sharpener and eraser-holder, the combination, with an elongated body provided with three openings arranged longitudinally therein, of a concaved cover pivotally secured at its smaller end between two of the openings in position to be swung over either one of the three openings, the convex portion being adapted to fit in the end of one of the openings and prevent the removal of its contents, and the rim of the cover being milled and projecting beyond the side of the body, substantially as described.

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Witnesses:

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