

(No Model.)

C. E. COUSY.
PENCIL SHARPENER.

No. 572,868.

Patented Dec. 8, 1896.

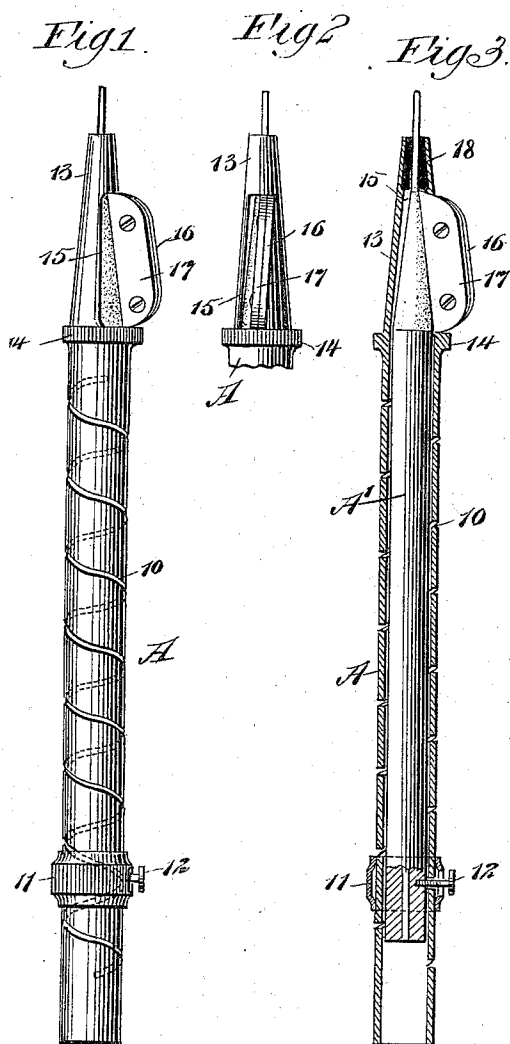
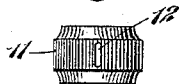


Fig4.



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PENCIL-SHARPENER.

SPECIFICATION forming part of Letters Patent No. 572,868, dated December 8, 1896.

Application filed July 18, 1896. Serial No. 599,602. (No model.)

To all whom it may concern:

Be it known that I, CONSTANT E. COUSY, of New York city, in the county and State of New York, have invented a new and Improved Pencil-Sharpener, of which the following is a full, clear, and exact description.

The object of this invention is to construct a pencil-sharpener in such manner that it may remain permanently on the pencil, and whereby, also, as the pencil becomes dull said pencil may be fed toward the knife of the sharpener, so as to renew the point of the pencil.

A further object of the invention is to so locate the knife on the sharpener that the knife and its support will form a rest for the fingers of the hand grasping the pencil.

Another object of the invention is to protect that portion of the lead exposed and not actually used, preventing its breakage, and to construct the entire sharpener in a simple, durable, and economic manner.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of a pencil and a sharpener applied thereto. Fig. 2 is a side elevation of the tip of the sharpener, the knife and its support being shown in outer edge view. Fig. 3 is a longitudinal vertical section through the sharpener, showing the pencil upon which it is placed partially in elevation and partly in section; and Fig. 4 is a detail side elevation of the traveling sleeve used in connection with the holder.

In carrying out the invention the body of the sharpener consists of a tube A, which is provided with a spiral or serpentine slot 10, extending from a point near the top nearly to the bottom, and a sleeve 11 is adapted to travel on the said tube, the sleeve being provided with a set-screw 12, which is adapted to enter the spiral slot 10 in the body-tube and be attached to the pencil A', on which the body-tube is placed. The outer end of the body-tube consists of a conical tip 13, and this tip is supported ordinarily from the body of

the sharpener by a serrated collar 14, which facilitates the turning of the sharpener on the pencil.

An opening 15 is made longitudinally in the conical tip, and this opening is ordinarily narrower at its lower end than at its upper end, and at one side wall of the said opening a supporting-plate 16 is formed, the said supporting-plate being diagonally located on the conical tip, and the plate is adapted to have attached thereto the sharpening-knife 17, the longitudinal cutting edge whereof extends a predetermined distance into the opening 15 in the tip. The knife is therefore diagonally placed with reference to the tip, since it follows the direction of its supporting-plate 16. The knife may be readily and conveniently removed to be sharpened when dulled, and ordinarily in the back of the knife a roughened groove is produced, so that an exceedingly sharp point may be made on the pencil when desired by removing the pencil altogether from the sharpener and properly manipulating it.

A rubber tubular cushion 18 is placed within the conical tip at its contracted or outlet end, since the pencil when sharpened will have considerable of its lead exposed, as shown in Fig. 3, and the cushion will embrace that portion of the exposed lead which is not to be immediately used.

It is obvious that the sharpener may remain constantly on the pencil, and that the pencil may be fed downward to be sharpened as it is used and as it requires sharpening by grasping the traveling sleeve 11 with one hand and the collar 14 with the other hand.

The sharpener serves to protect the entire pencil, and the knife and its support when not required for use form rests for the fingers of the hand using the pencil, while in the event that children are the users the knife and its support will form a guide as to the proper position in which the pencil should be held by taking the knife and its support between the first and second fingers of the hand.

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

1. A pencil-sharpener consisting of a tube having a conical tip and a knife located at

the tip, the tube being provided with a spiral slot, and a sleeve held to travel on the tube and provided with an inward projection entering the spiral groove of the body of the sharpener, being likewise adapted to enter the pencil contained in the said sharpener, as and for the purpose set forth.

2. A pencil-sharpener comprising a body-tube having a spiral groove and terminating at one end in a conical tip, the conical tip having an opening, and a knife supported at an angle to the exterior of the conical tip with its cutting edge at the aforesaid opening, and a sleeve held to travel on the body of the sharpener and provided with a set-screw passed through the spiral slot in the said body and adapted to enter the pencil surrounded by the body, as and for the purpose set forth.

3. A pencil-sharpener, the same consisting of a body-tube having a spiral slot therein and terminating at one end in a conical tip, the said tip having a longitudinal opening therein, a tubular cushion located in the con-

tracted end of the tip, a supporting-plate attached at one margin of the longitudinal opening in the tip, extending outward at an angle to the said tip and located diagonally of the tip, a knife secured upon the said support, the cutting edge whereof extends within the longitudinal opening of the tip, a sleeve held to travel on the body of the sharpener, and a set-screw carried by the sleeve and extending within the body-tube through the spiral slot thereof, as and for the purpose set forth.

4. A pencil-sharpener comprising the tube provided with a knife and a spiral slot, a sleeve arranged to travel on said tube, and a set-screw adapted to enter an opening in said sleeve and said slot and to project into the pencil inclosed by said tube, as and for the purpose set forth.

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Witnesses:

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