

(No Model.)

B. S. COHEN.
PENCIL SHARPENER.

No. 370,182.

Patented Sept. 20, 1887.

Fig. 1.

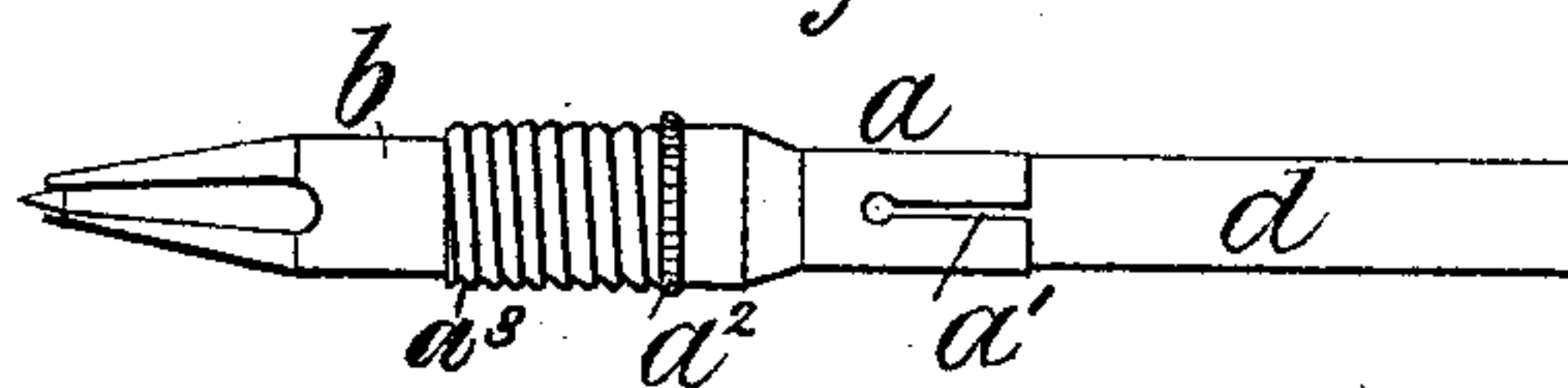


Fig. 3.

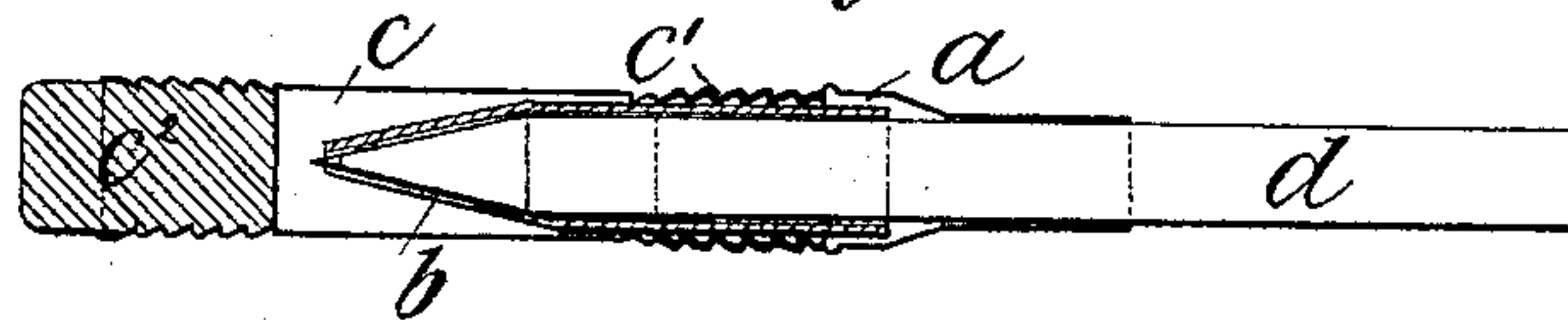


Fig. 4.

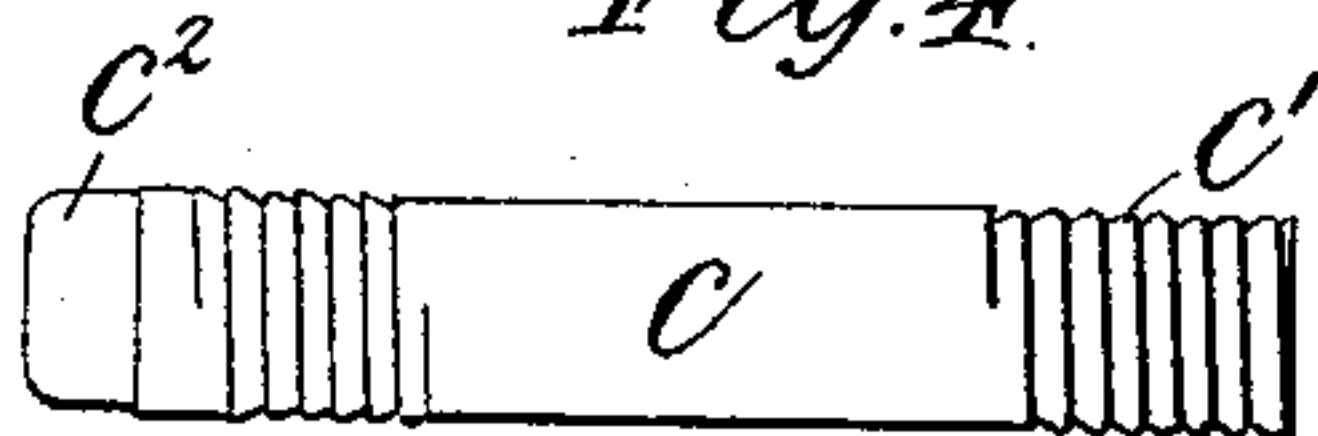
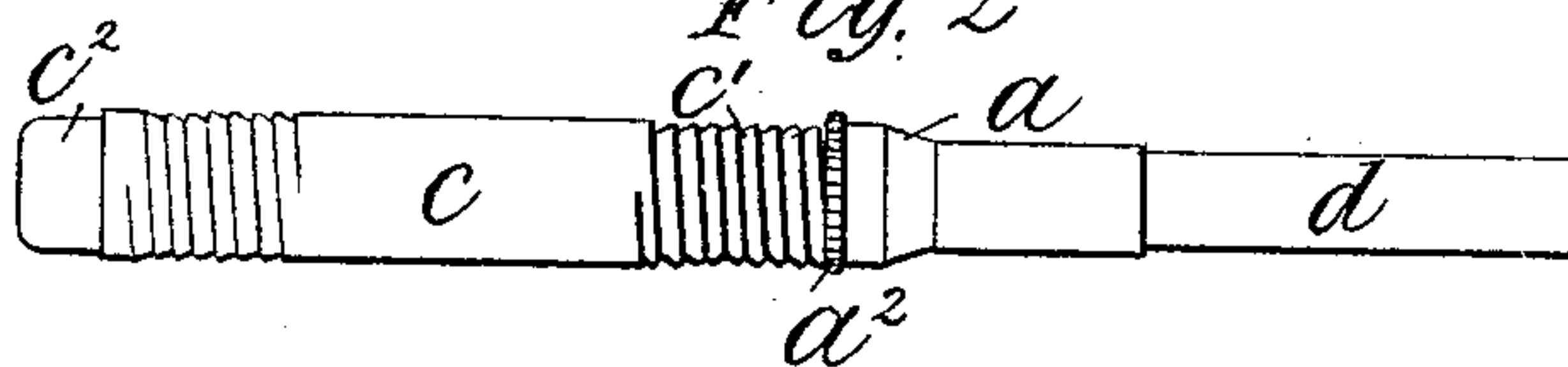


Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

BARNET SOLOMON COHEN, OF LONDON, ENGLAND.

PENCIL-SHARPENER.

SPECIFICATION forming part of Letters Patent No. 370,182, dated September 20, 1887.

Application filed June 13, 1887. Serial No. 241,192. (No model.) Patented in England January 31, 1887, No. 1,507.

To all whom it may concern:

Be it known that I, BARNET SOLOMON COHEN, manufacturer, a subject of the Queen of Great Britain, and a resident of London, England, have invented new and useful Improvements Relating to Pencil-Sharpener, (for which I have applied for provisional protection in Great Britain, No. 1,507, bearing date January 31, 1887,) of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to that kind of pencil-sharpener which are made with a parallel tubular part, into which the end of the pencil is to be introduced, and with a conical part having a longitudinal slit or opening and an inclined cutting-edge, which effects the cutting or sharpening of the pencil when the latter is rotated and a slight forward pressure applied thereto.

The object of my invention is to provide a novel pencil-sharpener and protector for concealing the sharpener and protecting the pencil-point; and to such end my invention consists in the features of construction and combination of devices hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a plan of my improved pencil-sharpener with the pencil therein. Fig. 2 is a plan, and Fig. 3 is a longitudinal central section of the same with the point-protector thereon. Fig. 4 is a view of the point-protector detached.

Like letters of reference indicate corresponding parts in all the figures.

In carrying my invention into practice I provide a short sleeve or holder, *a*, of thin brass or other suitable metal. In one end of the sleeve *a* is firmly secured the parallel tubular portion of the sharpener *b*. The other end of said sleeve is made of somewhat smaller diameter, and is provided with longitudinal slots *a'*, so that it will grip the pencil when placed thereon with a firm but elastic pressure. The shoulder formed by making the sleeve of two different diameters, as above set forth, is preferably tapered down from the larger to the smaller diameter, as a better appearance is thus given to the device than would exist if this were not done. I prefer to provide upon the outer periphery of this sleeve or

holding device a milled edge, *a²*, which is held between the finger and thumb of the left hand of the person sharpening the pencil, while he rotates the pencil with his other hand, at the same time imparting a slight forward pressure to said pencil.

The sharpener *b* and the sleeve or holder *a* are placed upon the pencil in such relative positions that the largest end of the sleeve encircles the rear end of the sharpener with a sufficiently tight pressure to bind the two firmly together, the smallest or reduced end of the sleeve grasping the pencil rearward, as above explained. It will thus be seen that while one part of the sleeve or holder grasps the pencil itself the other part grasps the sharpener, and thus the latter is held upon the pencil in the proper position for enabling the same to be sharpened at any moment, and cannot therefore be mislaid or lost. Consequently the important advantage is obtained that time is economized in cases where a pencil is being continuously used, and the sharpener has not to be applied and removed every time the sharpening is effected, but is always in position upon the pencil.

The letter *c* indicates the protector-tube, having at one end a screw-threaded portion, *c'*, adapted to fit a corresponding screw-threaded portion, *a³*, on the end of the sleeve or holder *a*, thereby covering up the cutting-edge of the sharpener *b* and the point of the pencil. The other end of said protector may be provided with a piece of india-rubber, *c²*, as shown more clearly in Fig. 3. Instead of making the protector *c* with a screw at one end, as above described, I sometimes make the said end plain, with a longitudinal slit therein, to allow the protector to firmly grip the sleeve *a*, which is also made plain to suit the said protector.

In some cases, instead of employing the separate sleeve or holder, as above described, I make the holder *a* as an integral part of the sharpener *b*, by increasing the length of the parallel tubular portion of said sharpener and providing a longitudinal slit to insure the necessary elasticity, and by making said sleeve or holder small enough to insure a sufficiently strong grip upon the pencil to cause the latter and the sharpener to hold together when in use, but not so strong as to prevent easy rotation of the former when required.

It will be understood that when the pencil is used up the sharpener and its holder may be applied to another pencil, and will thus serve for use with a large number of pencils consecutively.

The operation of my improved sharpener is as follows—that is to say: When a new pencil is required, one end of said pencil is inserted in the sharpener *a* and is caused to rotate by the finger and thumb of the right hand, while the sleeve and sharpener are held between the finger and thumb of the left hand, as before described. The pencil is thus sharpened and the lead projects through the end of the conical portion of the sharpener *b*, as shown in section in Fig. 2. When the point becomes blunt, it may be renewed by repeating the same operation.

I am aware that it is not broadly new to combine an eraser-holding tube with a pencil-holder having a sharpening device, as such is shown in Letters Patent No. 245,250. Such, therefore, I do not claim.

What I claim is—

1. The sleeve *a*, provided with the pencil-sharpener *b*, tapering from the sleeve outward to an open point to remain upon a pencil in the requisite position to sharpen the pencil at any time, with the pencil-point pro-

jecting to write while the sleeve is on the pencil, in combination with the point-protecting tube *c*, detachably secured over the sleeve and sharpener to conceal the latter and protect the pencil-point projecting through the apex of the sharpener, substantially as shown and described.

2. The slotted sleeve *a*, having the screw-thread *a'*, and the sharpener *b*, tapering from the screw-thread outward to an open point to remain upon the pencil in position to sharpen the same at any time, with the pencil-point projecting to write while the sleeve is on the pencil, in combination with the point-protecting tube *c*, having at one end the screw-thread *c'* for engaging the screw-thread of the sleeve and concealing the sharpener and protecting the pencil-point projecting through the apex of the sharpener, substantially as shown and described.

In testimony whereof I have hereunto signed my name in the presence of two subscribing witnesses.

BARNET SOLOMON COHEN.

Witnesses:

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